Lot # D7F270299

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STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Huntsville MMRP FUDS SI Project

Subcontract No. 744653

Lot #: D7F270299

Tammy Chang

Parsons Corporation
8000 Centre Park Drive
Suite 200
Austin, TX 78754

STL DENVER

Linda L. Benkers
Project Manager

July 24, 2007

Case Narrative
Lot D7F270299

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

Manual integrations are summarized by analytical batch and the summary reports are included with the report forms, organized by method and batch.

Sample Receiving

Eleven samples were received at STL Denver under chain of custody on June 27, 2007. The samples were received in good condition at a temperature of 0.6°C. Note that a corrected chain of custody was provided by the client after sample receipt and both chain of custody are included in the report.

LC/MS Explosives, SW846 8321A

The MS/MSD performed on sample D7F270299-007 demonstrated recoveries above control limits for 1,3,5-trinitrobenzene and 2,4,6-trimethyltoluene. The associated data is flagged "J" per the DoD QSM.

Total Metals, SW846 6010B, 6020 & 7471A

The ICSA solutions for the method 6020 analyses of sample D7F270299-001 through 011 exceeded two times the method detection limit for cadmium and nickel. The lab has confirmed with the vendor that these elements are trace impurities in the ICSA solution. Therefore, no corrective action was needed and no qualifiers were applied.

The Quarterly Linear Range study for method 6020 expired on 7/12/07 and these samples were analyzed on 7/16/07. The new linear range study was analyzed on 7/20/07 and the only linear range that changed was silver, which changed from 3600 ug/L to 1800 ug/L. All sample results are well below the new linear range for silver; therefore the data was accepted. Both linear range studies are included in the metals forms packet.

The method 6010B MS/MSD performed on sample D7F270299-007 exhibited recoveries outside of control limits for aluminum, iron and titanium. The associated data is flagged "J" per DoD QSM.

The method 6020 MS/MSD performed on sample D7F270299-007 exhibited recoveries or RPD values outside of control limits for multiple elements. The associated data is flagged "J" per DoD QSM.

The method 7471A MS/MSD performed on sample D7F270299-007 was in control.

The serial dilution associated with method 6010B batch 7181055 was performed on sample D7F270299-007 and multiple percent differences were outside the control limits; therefore a post digest spike was required. The post digestion spike performed on this sample was also outside control limits for aluminum. The associated data is flagged "J" per the DoD QSM.

The serial dilution associated with method 6020 batch 7181046 was performed on sample D7F270299-007 and percent differences were outside the control limits for arsenic and cobalt; therefore a post digest spike was required. The post digestion spike performed on this sample was outside control limits for manganese.

General Chemistry, MCAWW 160.3 MOD

The method 160.3 duplicate performed on a sample from another client and/or lot was in control for percent moisture.

Quality Control Definitions of Terms

Term	Definition
Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. A LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. An LCSD is a second Laboratory Control Sample.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MS/MSD(s) are carried throughout the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.
Sample Duplicate	A second aliquot of an environmental sample, taken form the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Method Detection Limit "MDL"	The method detection limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analyses of low-level standards, long-term blanks and verification of the calculated MDL in a typical representative matrix.
Reporting Limit "RL"	The STL reporting limit is normally the lowest level at which measurements become quantitatively meaningful, i.e., the quantitation limit, which is approximately three times the MDL. Some projects require RLs that are less than the quantitation limit to achieve particular maximum contaminant levels (MCLs) or relevant and appropriate requirements (ARARs), but RLs cannot be less than the statistically determined MDL.

Quality Control Definitions of Qualifiers

Qualifier	Definition
U	Undetected at the limit of detection. The associated data value is the limit of detection, adjusted by any dilution factor used in the analysis...
J	Estimated: The analyte was positively identified; the quantitation is estimated. (For example, matrix interference, or concentrations outside the calibration range).
B	Blank contamination: The analyte was detected in the associated method blank at a concentration greater than one-half the reporting limit.
B	Metals Forms 3, 5B and 9 (ICB, CCB, Post-Digestion Spike and Serial Dilutions): Analyte was detected above the method detection limit but below the reporting limit.
Q	One or more quality control criteria (for example, LCS recovery, surrogate recovery) failed. Data usability should be carefully assessed by the project team.
a	Spiked analyte recovery is outside control limit.
MSB	The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.
NC DIL	The recovery and RPD were not calculated due to dilution.
N	Inorganics: Spiked analyte recovery is outside stated control limits.
a	Organics: Spiked analyte recovery is outside stated control limits.
*	Surrogate or LCS is outside control limits.

METHODS SUMMARY

D7F270299

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
ICP-MS (6020)	SW846 6020	SW846 3050B
LCMS by 8321A	SW846 8321A	
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D7F270299

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.3 MOD	Christopher Grisdale	9582
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6020	Doug Gomer	001796
SW846 6020	Doug Gomer	1796
SW846 7471A	David Wells	5099
SW846 8321A	Andrew Meyer	003649

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D7F270299

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J1XHL	001	BFB-A-SS-03-06	06/25/07	10:38
J1XHR	002	BFB-A-SS-03-07	06/25/07	11:06
J1XHT	003	BFB-A-SS-03-05	06/25/07	11:47
J1XHV	004	BFB-B-SS-03-02	06/25/07	12:46
J1XHX	005	BFB-B-SS-03-08	06/25/07	13:28
J1XH0	006	BFB-C-SS-03-12	06/26/07	08:05
J1XH1	007	BFB-C-SS-03-03	06/26/07	08:26
J1XH4	008	BFB-C-SS-03-10	06/26/07	09:16
J1XH6	009	BFB-C-SS-03-01	06/26/07	10:49
J1XH8	010	BFB-C-SS-03-09	06/26/07	11:17
J1XH9	011	BFB-A-SS-03-04	06/26/07	12:59

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

D7F270299

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
002	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
003	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
004	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
005	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
006	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
007	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D7F270299

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
008	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
009	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
010	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074
011	SOLID	SW846 8321A		7183436	7184340
	SOLID	SW846 6020		7181046	7181030
	SOLID	SW846 7471A		7186508	7186339
	SOLID	SW846 6010B		7181055	7181037
	SOLID	MCAWW 160.3 MOD		7188137	7188074

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LC/MS

CLP-Like Forms

Lot ID: D7F270299

Client: Parsons

Method: 8321A Explosives

Associated Samples: 001 – 011

Batch: 7183436

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Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-06
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-001
Matrix:	SOLID	**Lab WorkOrder:**	J1XHL1A4
% Moisture:	1.5	**Date/Time Collected:**	06/25/07 10:38
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/09/07 21:58
Sample Aliquot:	10.01 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	94	50	150	

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Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-07
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-002
Matrix:	SOLID	**Lab WorkOrder:**	J1XHR1AF
% Moisture:	1.9	**Date/Time Collected:**	06/25/07 11:06
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/09/07 22:30
Sample Aliquot:	10.22 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	97	50	150	

Form 1 Analysis Data Sheet Equivalent

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Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-05
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-003
Matrix:	SOLID	**Lab WorkOrder:**	J1XHT1AF
% Moisture:	1.4	**Date/Time Collected:**	06/25/07 11:47
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/09/07 23:02
Sample Aliquot:	9.7 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	99	50	150	

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Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-02
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-004
Matrix:	SOLID	**Lab WorkOrder:**	J1XHV1AF
% Moisture:	1.3	**Date/Time Collected:**	06/25/07 12:46
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/09/07 23:33
Sample Aliquot:	10.25 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	103	50	150	

Form 1 Analysis Data Sheet Equivalent

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Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-08
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-005
Matrix:	SOLID	**Lab WorkOrder:**	J1XHX1AF
% Moisture:	0.92	**Date/Time Collected:**	06/25/07 13:28
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 00:05
Sample Aliquot:	9.95 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	101	50	150	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-12
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-006
Matrix:	SOLID	**Lab WorkOrder:**	J1XH01AF
% Moisture:	0.98	**Date/Time Collected:**	06/26/07 08:05
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 00:37
Sample Aliquot:	10.06 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	103	50	150	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-007
Matrix:	SOLID	**Lab WorkOrder:**	J1XH11AF
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 01:40
Sample Aliquot:	9.97 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U J
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U J
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	96	50	150	

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-10
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-008
Matrix:	SOLID	**Lab WorkOrder:**	J1XH41AF
% Moisture:	1.0	**Date/Time Collected:**	06/26/07 09:16
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 03:15
Sample Aliquot:	9.99 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	101	50	150	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-01
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-009
Matrix:	SOLID	**Lab WorkOrder:**	J1XH61AF
% Moisture:	4.0	**Date/Time Collected:**	06/26/07 10:49
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 03:47
Sample Aliquot:	10.06 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	94	50	150	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-09
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-010
Matrix:	SOLID	**Lab WorkOrder:**	J1XH81AF
% Moisture:	0.85	**Date/Time Collected:**	06/26/07 11:17
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 04:19
Sample Aliquot:	9.89 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	102	50	150	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-04
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-011
Matrix:	SOLID	**Lab WorkOrder:**	J1XH91AF
% Moisture:	0.75	**Date/Time Collected:**	06/26/07 12:59
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 04:50
Sample Aliquot:	9.93 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
99-65-0	1,3-Dinitrobenzene	31	31	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
2691-41-0	HMX	14	14	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
78-11-5	PETN	14	14	500	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	99	50	150	

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	R7G020000-436B
Matrix:	SOLID	**Lab WorkOrder:**	J177N1AA
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/09/07 20:55
Sample Aliquot:	9.74 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
99-65-0	1,3-Dinitrobenzene	31	31	120	U
121-14-2	2,4-Dinitrotoluene	22	22	120	U
606-20-2	2,6-Dinitrotoluene	30	30	120	U
98-95-3	Nitrobenzene	23	23	120	U
55-63-0	Nitroglycerin	40	40	500	U
99-35-4	1,3,5-Trinitrobenzene	26	26	120	U
118-96-7	2,4,6-Trinitrotoluene	28	28	120	U
2691-41-0	HMX	14	14	120	U
121-82-4	RDX	13	13	180	U
479-45-8	Tetryl	31	31	300	U
88-72-2	2-Nitrotoluene	40	40	120	U
99-08-1	3-Nitrotoluene	14	14	120	U
99-99-0	4-Nitrotoluene	14	14	120	U
19406-51-0	4-Amino-2,6-dinitrotoluene	21	21	120	U
35572-78-2	2-Amino-4,6-dinitrotoluene	16	16	120	U
78-11-5	PETN	14	14	500	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	87	50	150	

STL

Parsons Corporation

Surrogate Recovery Summary

Lab Name: TESTAMERICA DENVER **Extraction** A12BXMR
Lot/SDG Number: D7F270299 **QC Batch ID:** 7183436

Client ID	Work Order	SRG1	SRG2	SRG3	SRG4	SRG5	SRG6	SRG7	SRG8	TOT OUT
INTRA-LAB BLANK	J177N1AA	87								0
CHECK SAMPLE	J177N1AC	91								0
BFB-C-SS-03-12	J1XH01AF	103								0
BFB-C-SS-03-03	J1XH11AF	96								0
BFB-C-SS-03-03 MS	J1XH11CQ	96								0
BFB-C-SS-03-03 MSD	J1XH11CR	107								0
BFB-C-SS-03-10	J1XH41AF	101								0
BFB-C-SS-03-01	J1XH61AF	94								0
BFB-C-SS-03-09	J1XH81AF	102								0
BFB-A-SS-03-04	J1XH91AF	99								0
BFB-A-SS-03-06	J1XHL1A4	94								0
BFB-A-SS-03-07	J1XHR1AF	97								0
BFB-A-SS-03-05	J1XHT1AF	99								0
BFB-B-SS-03-02	J1XHV1AF	103								0
BFB-B-SS-03-08	J1XHX1AF	101								0

Surrogate Number	Surrogate Name	Lower Control Limit	Upper Control Limit
SRG 1	Nitrobenzene-d5	50	150

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	R7G020000-436C
Matrix:	SOLID	**Lab WorkOrder:**	J177N1AC
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/09/07 21:26
Sample Aliquot:	10.02 g	**Instrument ID:**	LCMS2
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
1,3-Dinitrobenzene	998	1070	107		69 - 128
2,4-Dinitrotoluene	998	1080	108		61 - 128
2,6-Dinitrotoluene	998	1050	105		59 - 134
Nitrobenzene	998	941	94		59 - 150
Nitroglycerin	998	842	84		32 - 135
1,3,5-Trinitrobenzene	998	1140	115		47 - 131
2,4,6-Trinitrotoluene	998	1100	110		58 - 130
HMX	998	959	96		53 - 115
RDX	998	1010	101		70 - 121
Tetryl	998	1280	128		10 - 160
2-Nitrotoluene	998	1010	101		55 - 147
3-Nitrotoluene	998	1030	103		51 - 153
4-Nitrotoluene	998	1020	102		65 - 146
4-Amino-2,6-dinitrotoluene	998	977	98		60 - 133
2-Amino-4,6-dinitrotoluene	998	938	94		53 - 141
PETN	998	964	97		28 - 178

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	91	50	150	

Form 3 LCS Analysis Data Sheet Equivalent

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MS Lab Sample ID:**	D7F270299-007S
Matrix:	SOLID	**MS Lab WorkOrder:**	J1XH11CQ
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 02:12
MS Sample Aliquot:	10.06 g	**Instrument ID:**	LCMS2
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
1,3,5-Trinitrobenzene	994	26	U J	1170		118		47 - 131
1,3-Dinitrobenzene	994	31	U	1080		109		69 - 128
2,4,6-Trinitrotoluene	994	28	U J	1150		115		58 - 130
2,4-Dinitrotoluene	994	22	U	1190		119		61 - 128
2,6-Dinitrotoluene	994	30	U	1090		110		59 - 134
2-Amino-4,6-dinitrotoluene	994	16	U	936		94		53 - 141
2-Nitrotoluene	994	40	U	1120		112		55 - 147
3-Nitrotoluene	994	14	U	1090		110		51 - 153
4-Amino-2,6-dinitrotoluene	994	21	U	988		99		60 - 133
4-Nitrotoluene	994	14	U	1090		110		65 - 146
HMX	994	14	U	871		88		53 - 115
Nitrobenzene	994	23	U	1030		104		59 - 150
Nitroglycerin	994	40	U	733		74		32 - 135
PETN	994	14	U	875		88		28 - 178
RDX	994	13	U	990		100		70 - 121
Tetryl	994	31	U	1250		126		10 - 160

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	96	50	150	

Form 3 MS Analysis Data Sheet Equivalent

STL

Parsons Corporation

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MSD Lab Sample ID:**	D7F270299-007D
Matrix:	SOLID	**MSD Lab WorkOrder:**	J1XH11CR
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Wet	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	8321A	**Date Leached:**	
Unit:	ug/kg	**Date/Time Extracted:**	07/02/07 15:15
QC Batch ID:	7183436	**Date/Time Analyzed:**	07/10/07 02:44
MSD Sample Aliquot:	9.97 g	**Instrument ID:**	LCMS2
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
1,3,5-Trinitrobenzene	1000	26	U J	1330		132	a	12		47 - 131	30
1,3-Dinitrobenzene	1000	31	U	1230		123		13		69 - 128	30
2,4,6-Trinitrotoluene	1000	28	U J	1320		132	a	14		58 - 130	30
2,4-Dinitrotoluene	1000	22	U	1220		122		2.9		61 - 128	30
2,6-Dinitrotoluene	1000	30	U	1250		125		13		59 - 134	30
2-Amino-4,6-dinitrotoluene	1000	16	U	1030		103		9.5		53 - 141	30
2-Nitrotoluene	1000	40	U	1240		124		11		55 - 147	30
3-Nitrotoluene	1000	14	U	1200		120		9.8		51 - 153	30
4-Amino-2,6-dinitrotoluene	1000	21	U	1120		112		13		60 - 133	30
4-Nitrotoluene	1000	14	U	1230		123		12		65 - 146	30
HMX	1000	14	U	1030		103		17		53 - 115	30
Nitrobenzene	1000	23	U	1150		114		10		59 - 150	30
Nitroglycerin	1000	40	U	826		82		12		32 - 135	30
PETN	1000	14	U	1060		106		19		28 - 178	30
RDX	1000	13	U	1110		111		11		70 - 121	30
Tetryl	1000	31	U	1410		141		12		10 - 160	30

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
4165-60-0	Nitrobenzene-d5	107	50	150	

Form 3 MSD Analysis Data Sheet Equivalent

STL

Parsons Corporation

Method Blank Summary

Lab Name:	TESTAMERICA DENVER	**Lab File ID:**	EX27G0474
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	R7G020000-436B
Matrix:	SOLID	**Lab Work Order:**	J177N1AA
Analysis Method:	8321A	**Date/Time Extracted:**	07/02/07 15:15
Extraction Method:	A12BXMR	**Date/Time Analyzed:**	07/09/07 20:55
QC Batch ID:	7183436	**Instrument ID:**	LCMS2

Client ID	Sample Work Order #	Lab File ID	Date Analyzed	Time Analyzed
CHECK SAMPLE	J177N1AC C	EX27G0474	07/09/07	21:26
BFB-C-SS-03-12	J1XH01AF	EX27G0480	07/10/07	00:37
BFB-C-SS-03-03	J1XH11AF	EX27G0482	07/10/07	01:40
BFB-C-SS-03-03 MS	J1XH11CQ S	EX27G0483	07/10/07	02:12
BFB-C-SS-03-03 MSD	J1XH11CR D	EX27G0484	07/10/07	02:44
BFB-C-SS-03-10	J1XH41AF	EX27G0485	07/10/07	03:15
BFB-C-SS-03-01	J1XH61AF	EX27G0486	07/10/07	03:47
BFB-C-SS-03-09	J1XH81AF	EX27G0487	07/10/07	04:19
BFB-A-SS-03-04	J1XH91AF	EX27G0488	07/10/07	04:50
BFB-A-SS-03-06	J1XHL1A4	EX27G0475	07/09/07	21:58
BFB-A-SS-03-07	J1XHR1AF	EX27G0476	07/09/07	22:30
BFB-A-SS-03-05	J1XHT1AF	EX27G0477	07/09/07	23:02
BFB-B-SS-03-02	J1XHV1AF	EX27G0478	07/09/07	23:33
BFB-B-SS-03-08	J1XHX1AF	EX27G0479	07/10/07	00:05

Manual Integration Summary for Parsons

8321A Explosives

Lot:	D7F270299	Batch:	7183436

	Specify Paramter That has Been Manually Integrated											
Compound	--	--	--	--	--	--	--	--	--	--	--	--
HMX	--	--	--	--	--	--	--	--	--	--	--	--
RDX 13C-284 (IS)	--	--	--	--	--	--	--	--	--	--	--	--
RDX	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--
Tetryl	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene-d4 (IS)	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene-d5 (Surrogate)	--	--	--	--	--	--	--	--	--	--	--	--
Nitroglycerin	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
4-Amino-2,6-dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
2-Amino-4,6-dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene-d3 (IS)	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
PETN	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitrotoluene	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--

Legend (Why MI needed)		Reviewed By:
1 = Baseline event	4 = Computer did NOT ID analyte	7/10/07
2 = Split Peak	5 = Peak mis-ID by computer	
3 = Peak tailing	6 = other (specify)	

TestAmerica

Table of Contents

STL

Total Metals

CLP-Like Forms

Lot ID: D7F270299

Client: Parsons

Method: 6010B, 6020, & 7471A

Associated Samples: 001 – 011

STL DENVER

Total Metals Analysis

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: Parsons Corporation

SDG No.: D7F270299

Lab Code: STLDEN

Case No.:

SAS No.:

SOW No.:

Sample ID.	Lab Sample No.
BFB-A-SS-03-04	D7F270299-011
BFB-A-SS-03-05	D7F270299-003
BFB-A-SS-03-06	D7F270299-001
BFB-A-SS-03-07	D7F270299-002
BFB-B-SS-03-02	D7F270299-004
BFB-B-SS-03-08	D7F270299-005
BFB-C-SS-03-01	D7F270299-009
BFB-C-SS-03-03	D7F270299-007
BFB-C-SS-03-03 MS	D7F270299-007S
BFB-C-SS-03-03 MSD	D7F270299-007SD
BFB-C-SS-03-09	D7F270299-010
BFB-C-SS-03-10	D7F270299-008
BFB-C-SS-03-12	D7F270299-006

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: 6010B

I 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. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Janice Collins

Name: Janice Collins

Date: 7/20/07

Title: Metals Analyst

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-06
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-001
Matrix:	SOLID	**Lab WorkOrder:**	J1XHL
% Moisture:	1.5	**Date/Time Collected:**	06/25/07 10:38
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 13:39
Sample Aliquot:	1.01 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**8900**	5.0	61	J
7440-70-2	Calcium	**1100**	14	130	
7439-89-6	Iron	**12000**	3.9	100	
7439-95-4	Magnesium	**1600**	3.8	36	
7440-09-7	Potassium	**1800**	42	300	
7440-23-5	Sodium	**290**	60	580	J
7440-24-6	Strontium	**11**	0.065	1.5	
7440-32-6	Titanium	**240**	0.14	2.0	

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-07
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-002
Matrix:	SOLID	**Lab WorkOrder:**	J1XHR
% Moisture:	1.9	**Date/Time Collected:**	06/25/07 11:06
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 13:44
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**12000**	5.0	61	J
7440-70-2	Calcium	**1400**	14	130	
7439-89-6	Iron	**14000**	3.9	100	
7439-95-4	Magnesium	**2100**	3.8	36	
7440-09-7	Potassium	**1800**	42	310	
7440-23-5	Sodium	**200**	60	580	J
7440-24-6	Strontium	**18**	0.065	1.5	
7440-32-6	Titanium	**220**	0.14	2.0	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-05
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-003
Matrix:	SOLID	**Lab WorkOrder:**	J1XHT
% Moisture:	1.4	**Date/Time Collected:**	06/25/07 11:47
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 13:48
Sample Aliquot:	1.01 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**9400**	5.0	61	J
7440-70-2	Calcium	**2000**	14	130	
7439-89-6	Iron	**17000**	3.9	100	
7439-95-4	Magnesium	**1800**	3.8	35	
7440-09-7	Potassium	**1900**	42	300	
7440-23-5	Sodium	**170**	60	580	J
7440-24-6	Strontium	**17**	0.065	1.5	
7440-32-6	Titanium	**200**	0.14	2.0	

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-02
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-004
Matrix:	SOLID	**Lab WorkOrder:**	J1XHV
% Moisture:	1.3	**Date/Time Collected:**	06/25/07 12:46
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 13:53
Sample Aliquot:	0.99 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**7200**	5.0	61	J
7440-70-2	Calcium	**1200**	14	130	
7439-89-6	Iron	**11000**	3.9	100	
7439-95-4	Magnesium	**1300**	3.7	35	
7440-09-7	Potassium	**1800**	42	300	
7440-23-5	Sodium	**140**	60	580	J
7440-24-6	Strontium	**11**	0.065	1.5	
7440-32-6	Titanium	**190**	0.14	2.0	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-08
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-005
Matrix:	SOLID	**Lab WorkOrder:**	J1XHX
% Moisture:	0.92	**Date/Time Collected:**	06/25/07 13:28
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 13:58
Sample Aliquot:	0.99 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**7200**	4.9	61	J
7440-70-2	Calcium	**990**	14	130	
7439-89-6	Iron	**12000**	3.8	100	
7439-95-4	Magnesium	**1400**	3.7	35	
7440-09-7	Potassium	**1900**	41	300	
7440-23-5	Sodium	**62**	60	580	J
7440-24-6	Strontium	**9.8**	0.065	1.5	
7440-32-6	Titanium	**290**	0.14	2.0	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-12
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-006
Matrix:	SOLID	**Lab WorkOrder:**	J1XH0
% Moisture:	0.98	**Date/Time Collected:**	06/26/07 08:05
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:02
Sample Aliquot:	0.99 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**6800**	4.9	61	J
7440-70-2	Calcium	**1200**	14	130	
7439-89-6	Iron	**8900**	3.8	100	
7439-95-4	Magnesium	**1400**	3.7	35	
7440-09-7	Potassium	**1400**	41	300	
7440-23-5	Sodium	**90**	60	580	J
7440-24-6	Strontium	**11**	0.065	1.5	
7440-32-6	Titanium	**200**	0.14	2.0	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-007
Matrix:	SOLID	**Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:20
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**6900**	4.9	60	J
7440-70-2	Calcium	**1100**	14	130	
7439-89-6	Iron	**9600**	3.8	100	J
7439-95-4	Magnesium	**1400**	3.7	35	
7440-09-7	Potassium	**1500**	41	300	
7440-23-5	Sodium	**90**	59	570	J
7440-24-6	Strontium	**11**	0.065	1.5	
7440-32-6	Titanium	**200**	0.14	2.0	J

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-10
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-008
Matrix:	SOLID	**Lab WorkOrder:**	J1XH4
% Moisture:	1.0	**Date/Time Collected:**	06/26/07 09:16
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:43
Sample Aliquot:	0.99 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**13000**	4.9	61	J
7440-70-2	Calcium	**1700**	14	130	
7439-89-6	Iron	**19000**	3.8	100	
7439-95-4	Magnesium	**2000**	3.7	35	
7440-09-7	Potassium	**2900**	41	300	
7440-23-5	Sodium	**86**	60	580	J
7440-24-6	Strontium	**16**	0.065	1.5	
7440-32-6	Titanium	**480**	0.14	2.0	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation
Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-01
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-009
Matrix:	SOLID	**Lab WorkOrder:**	J1XH6
% Moisture:	4.0	**Date/Time Collected:**	06/26/07 10:49
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:48
Sample Aliquot:	1.01 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**14000**	5.1	63	J
7440-70-2	Calcium	**6700**	15	140	
7439-89-6	Iron	**17000**	4.0	100	
7439-95-4	Magnesium	**2500**	3.9	36	
7440-09-7	Potassium	**2200**	43	310	
7440-23-5	Sodium	**170**	61	590	J
7440-24-6	Strontium	**46**	0.067	1.6	
7440-32-6	Titanium	**360**	0.15	2.1	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-09
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-010
Matrix:	SOLID	**Lab WorkOrder:**	J1XH8
% Moisture:	0.85	**Date/Time Collected:**	06/26/07 11:17
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:52
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**6700**	4.9	61	J
7440-70-2	Calcium	**1300**	14	130	
7439-89-6	Iron	**12000**	3.8	100	
7439-95-4	Magnesium	**1400**	3.7	35	
7440-09-7	Potassium	**1700**	41	300	
7440-23-5	Sodium	**80**	60	570	J
7440-24-6	Strontium	**14**	0.065	1.5	
7440-32-6	Titanium	**210**	0.14	2.0	

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-04
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-011
Matrix:	SOLID	**Lab WorkOrder:**	J1XH9
% Moisture:	0.75	**Date/Time Collected:**	06/26/07 12:59
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:57
Sample Aliquot:	0.99 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7429-90-5	Aluminum	**7000**	4.9	60	J
7440-70-2	Calcium	**980**	14	130	
7439-89-6	Iron	**16000**	3.8	100	
7439-95-4	Magnesium	**1600**	3.7	35	
7440-09-7	Potassium	**2100**	41	300	
7440-23-5	Sodium	**130**	59	570	J
7440-24-6	Strontium	**12**	0.064	1.5	
7440-32-6	Titanium	**260**	0.14	2.0	

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity, Spex

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum Lo				500.0			512.92	102.6	P
Aluminum Hi	40000.0	39555.00	98.9	50000.0	49224.00	98.4			P
Calcium Lo				5000.0			4968.80	99.4	P
Iron Lo				500.0			507.68	101.5	P
Iron Hi	80000.0	77980.00	97.5	50000.0	49700.00	99.4			P
Potassium				50000.0			49814.00	99.6	P
Magnesium				20000.0			19952.00	99.8	P
Sodium Lo				5000.0			5018.30	100.4	P
Sodium Hi	40000.0	39957.00	99.9	50000.0	49724.00	99.4			P
Strontium				500.0			499.55	99.9	P
Titanium				500.0			495.51	99.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity, Spex

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum Lo				500.0			535.12	107.0	P
Aluminum Hi				50000.0	49596.00	99.2			P
Calcium Lo				5000.0			5051.40	101.0	P
Iron Lo				500.0			510.53	102.1	P
Iron Hi				50000.0	49863.00	99.7			P
Potassium				50000.0			49947.00	99.9	P
Magnesium				20000.0			19723.00	98.6	P
Sodium Lo				5000.0			5048.50	101.0	P
Sodium Hi				50000.0	49949.00	99.9			P
Strontium				500.0			498.33	99.7	P
Titanium				500.0			499.83	100.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity, Spex

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum Lo				500.0	549.10	109.8			P
Aluminum Hi				50000.0			49112.00	98.2	P
Calcium Lo				5000.0	5053.40	101.1			P
Iron Lo				500.0	499.55	99.9			P
Iron Hi				50000.0			49423.00	98.8	P
Potassium				50000.0	49718.00	99.4			P
Magnesium				20000.0	19484.00	97.4			P
Sodium Lo				5000.0	5068.30	101.4			P
Sodium Hi				50000.0			49734.00	99.5	P
Strontium				500.0	493.00	98.6			P
Titanium				500.0	495.63	99.1			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity, Spex

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum Lo				500.0	529.21	105.8			P
Aluminum Hi				50000.0			48328.00	96.7	P
Calcium Lo				5000.0	5004.40	100.1			P
Iron Lo				500.0	514.17	102.8			P
Iron Hi				50000.0			48889.00	97.8	P
Potassium				50000.0	49990.00	100.0			P
Magnesium				20000.0	20026.00	100.1			P
Sodium Lo				5000.0	5048.60	101.0			P
Sodium Hi				50000.0			49116.00	98.2	P
Strontium				500.0	503.42	100.7			P
Titanium				500.0	500.01	100.0			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity, Spex

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum Lo				500.0	542.92	108.6			P
Aluminum Hi				50000.0			48739.00	97.5	P
Calcium Lo				5000.0	4944.60	98.9			P
Iron Lo				500.0	517.71	103.5			P
Iron Hi				50000.0			49992.00	100.0	P
Potassium				50000.0	49491.00	99.0			P
Magnesium				20000.0	19683.00	98.4			P
Sodium Lo				5000.0	4919.80	98.4			P
Sodium Hi				50000.0			50277.00	100.6	P
Strontium				500.0	498.26	99.7			P
Titanium				500.0	496.93	99.4			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Initial Calibration Source: High Purity, Spex

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum Lo				500.0	520.66	104.1			P
Calcium Lo				5000.0	4912.80	98.3			P
Iron Lo				500.0	509.61	101.9			P
Potassium				50000.0	49265.00	98.5			P
Magnesium				20000.0	20095.00	100.5			P
Sodium Lo				5000.0	4926.80	98.5			P
Strontium				500.0	514.73	102.9			P
Titanium				500.0	520.28	104.1			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity, Spex

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum Lo	250.0	260.67	104.3						P
Calcium Lo	2000.0	1977.00	98.8						P
Iron Lo	250.0	251.87	100.7						P
Potassium	20000.0	19605.00	98.0						P
Magnesium	10000.0	9812.40	98.1						P
Sodium Lo	2000.0	2010.80	100.5						P
Strontium	250.0	243.50	97.4						P
Titanium	250.0	236.48	94.6						P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG No.: D7F270299

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum Lo				100.0	107.00	107.0		
Calcium Lo				200.0	210.71	105.4		
Iron Lo				60.0			69.70	116.2
Potassium				1000.0	1030.90	103.1		
Magnesium				200.0	230.07	115.0		
Sodium Lo				1000.0	1052.40	105.2		
Strontium				5.0	5.03	100.6		
Titanium				10.0	10.11	101.1		

Comments:

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F300000-055B
Matrix:	SOLID	**Lab WorkOrder:**	J15WP
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 13:30
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-89-6	Iron	**11**	3.8	100	J
7439-95-4	Magnesium	3.7	3.7	35	U
7440-09-7	Potassium	41	41	300	U
7440-23-5	Sodium	59	59	570	U
7440-24-6	Strontium	0.064	0.064	1.5	U
7440-32-6	Titanium	**0.14**	0.14	2.0	J
7440-70-2	Calcium	14	14	130	U
7429-90-5	Aluminum	**11**	4.9	60	J

STL DENVER

Total Metals Analysis

-3-

BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum Lo	49.00	U	49.00	U	49.00	U	49.00	U	11.0	B	P
Calcium Lo	140.00	U	140.00	U	140.00	U	140.00	U	14	U	P
Iron Lo	38.00	U	38.00	U	38.00	U	38.00	U	11.0	B	P
Potassium	410.00	U	410.00	U	410.00	U	410.00	U	41	U	P
Magnesium	37.00	U	37.00	U	37.00	U	37.00	U	3.7	U	P
Sodium Lo	590.00	U	590.00	U	590.00	U	590.00	U	59	U	P
Strontium	0.64	U	0.64	U	0.64	U	0.64	U	0.064	U	P
Titanium	1.40	U	1.40	U	1.40	U	1.40	U	0.14	B	P

Comments:

STL DENVER

Total Metals Analysis

-3-

BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum Lo			49.00	U							P
Calcium Lo			140.00	U							P
Iron Lo			38.00	U							P
Potassium			410.00	U							P
Magnesium			37.00	U							P
Sodium Lo			590.00	U							P
Strontium			0.64	U							P
Titanium			1.40	U							P

Comments:

STL DENVER

Total Metals Analysis

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 ICS Source: High Purity, Spex,

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum Hi	500000.0	500000.0	499360.0	488940.0	97.8			
Calcium Lo	500000.0	500000.0	473370.0	466680.0	93.3			
Iron Hi	200000.0	200000.0	186210.0	182270.0	91.1			
Potassium	0.0	50000.0	41.52	49774.0	99.5			
Magnesium	500000.0	500000.0	484180.0	472420.0	94.5			
Sodium Lo	0.0		121.97					
Sodium Hi		50000.0		49904.0	99.8			
Strontium	0.0	1000.0	1.80	966.6	96.7			
Titanium	0.0	1000.0	6.12	1010.0	101.0			

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MS Lab Sample ID:**	D7F270299-007S
Matrix:	SOLID	**MS Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:30
MS Sample Aliquot:	1 g	**Instrument ID:**	025
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Aluminum	202	6900	J	11600		2350	N	80 - 120
Calcium	5040	1100		5560		88		80 - 120
Iron	101	9600	J	11200		1620	N	80 - 120
Magnesium	5040	1400		5780		87		80 - 120
Potassium	5040	1500		6020		90		80 - 120
Sodium	5040	90	J	4360		85		80 - 120
Strontium	101	11		97.8		86		80 - 120
Titanium	101	200	J	385		181	N	80 - 120

Form 5A MS Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MSD Lab Sample ID:**	D7F270299-007D
Matrix:	SOLID	**MSD Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 14:34
MSD Sample Aliquot:	1 g	**Instrument ID:**	025
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Aluminum	202	6900	J	10600		1830	N	9.5		80 - 120	20
Calcium	5040	1100		5560		88		0.010		80 - 120	20
Iron	101	9600	J	9950		361	N	12		80 - 120	20
Magnesium	5040	1400		5750		87		0.53		80 - 120	20
Potassium	5040	1500		6030		90		0.29		80 - 120	20
Sodium	5040	90	J	4500		88		3.3		80 - 120	20
Strontium	101	11		99.8		88		2.0		80 - 120	20
Titanium	101	200	J	353		150	N	8.6		80 - 120	20

Form 5A MSD Analysis Data Sheet Equivalent

STL DENVER

Total Metals Analysis
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

BFB-C-SS-03-03 PDS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Aluminum H	75 - 125	67917.00		68181.00		1000.0	-26.4	N	P
Calcium Lo	75 - 125	28812.00		11244.00		20000.0	87.8		P
Iron Hi	75 - 125	94109.00		95100.00		1000.0	-99.1	N	P
Potassium	75 - 125	32113.00		14649.00		20000.0	87.3		P
Magnesium	75 - 125	31130.00		13656.00		20000.0	87.4		P
Sodium Hi	75 - 125	19092.00		896.74	B	20000.0	91.0		P
Strontium	75 - 125	151.87		107.16		50.0	89.4		P
Titanium	75 - 125	2050.70		2003.70		50.0	94.0		P

Comments:

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F300000-055C
Matrix:	SOLID	**Lab WorkOrder:**	J15WP
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	6010B	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181055	**Date/Time Analyzed:**	07/09/07 13:35
Sample Aliquot:	1 g	**Instrument ID:**	025
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Iron	100	108	108		80 - 120
Magnesium	5000	4640	93		80 - 120
Potassium	5000	4780	96		80 - 120
Sodium	5000	4800	96		80 - 120
Strontium	100	93.9	94		80 - 120
Titanium	100	90.4	90		80 - 120
Calcium	5000	4670	93		80 - 120
Aluminum	200	197	99		80 - 120

Form 7 LCS Analysis Data Sheet Equivalent

Total Metals Analysis

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

BFB-C-SS-03-03 SER

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Aluminum Hi	68181.00		76990.00		12.9	E	P
Calcium Lo	11244.00		12726.00		13.2	E	P
Iron Lo	95100.00		103945.00		9.3		P
Potassium	14649.00		16405.00		12.0		P
Magnesium	13656.00		15474.50		13.3	E	P
Sodium Lo	896.74	B	2950.00	U	100.0		P
Strontium	107.16		120.35		12.3	E	P
Titanium	2003.70		2207.05		10.1		P

Comments:

STL DENVER

Total Metals Analysis

-10-

DETECTION LIMITS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 5/24/2007

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Aluminum Lo	167.081		600.00	49.00	P
Aluminum Hi	309.271		1000.00	0.00	P
Calcium Lo	317.933		1300.00	140.00	P
Iron Lo	259.940		1000.00	38.00	P
Iron Hi	271.441		1000.00	0.00	P
Potassium	766.491		3000.00	410.00	P
Magnesium	279.078		350.00	37.00	P
Sodium Lo	589.592		5700.00	590.00	P
Sodium Hi	818.326		10000.00	0.00	P
Strontium	407.771		15.00	0.64	P
Titanium	334.941		20.00	1.40	P

Comments:

STL DENVER

Total Metals Analysis

-11A-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
	339.198	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	167.079	0.0000000	0.0000000	0.0007790	0.0000000	0.0000000
Aluminum	309.271	0.0000000	0.0000000	0.0000000	0.0024790	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000300	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	208.959	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.940	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000690	0.0000000	0.0000300	0.0000100	0.0000000
Lithium	670.784	0.0000000	0.0000250	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.284	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	-0.0000260	0.0000000	0.0000330	0.0000000	0.0000000
Silicon	288.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.158/2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000090	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thorium	283.730	0.0000000	0.0000000	0.0006630	-0.0000380	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11A-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.904	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Uranium	370.152	0.0000000	-0.0008040	0.0003710	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	481.053	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
	339.198	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	167.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	309.271	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	208.959	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0156970	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	-0.0021690	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.940	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.284	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.158/2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thorium	283.730	0.0000000	0.0000000	0.0000000	0.0000000	-0.0005160

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.904	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Uranium	370.152	0.0000000	0.0010880	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	481.053	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Cu	K	Mn
	339.198	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	167.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	309.271	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0109300	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	-0.0144820	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	208.959	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0044560	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.940	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0702870	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	-0.0002910	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.284	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0007500
Silicon	288.158	0.0000000	-0.0026110	0.0000000	0.0000000	0.0000000
Silicon	288.158/2	0.0000000	-0.0026110	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0023460	0.0002410	0.0000000	0.0000000	0.0010180
Thorium	283.730	0.0000000	0.0013440	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.904	0.0000000	0.0001690	0.0000000	0.0000000	0.0000000
Uranium	370.152	0.0000000	-0.0018690	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0062080	0.0000000	0.0000000	-0.0008950
Zinc	206.200	0.0000000	-0.0007100	0.0000000	0.0000000	0.0000000
Zinc	481.053	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Mo	Na	Ni	Pb	Sb
	339.198	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	167.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	309.271	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0062680	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0006970	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	208.959	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0001510	0.0000000	0.0000000
Cobalt	228.616	-0.0008940	0.0000000	0.0001340	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.940	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0018050	0.0000000	0.0003120	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.284	-0.0051580	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.158	-0.0050770	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.158/2	-0.0050770	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	-0.0004410	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thorium	283.730	0.0000000	0.0000000	0.0002370	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.904	0.0005550	0.0000000	0.0000000	0.0000000	0.0000000
Uranium	370.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	481.053	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Si	Sn	Sr	Ti
	339.198	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	167.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	309.271	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003220
Boron	208.959	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	205.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0017190
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011350
Iron	259.940	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000420	0.0000000	0.0000000	-0.0007190
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.284	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000700	0.0000000	0.0000000	0.0000000
Silicon	288.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.158/2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003980
Thorium	283.730	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	-0.0010010
Titanium	334.904	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Uranium	370.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0052390
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0005740
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	481.053	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	U	V	Zn	Th
	339.198	0.0000000	0.0000000	0.0000000	0.0000000	0.0282060
Aluminum	167.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	309.271	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	-0.0010160	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	208.959	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	-0.0122600
Chromium	205.552	0.0000000	0.0000350	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0032150
Iron	259.940	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	-0.1460000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0005110	0.0000000	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	-0.0101660	0.0000000	0.0000000	-0.0453470
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.284	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	-0.0024060	0.0000000	0.0000000	-0.0008490
Silicon	288.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.158/2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0014980	0.0000000	0.0000000	-0.0064130
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	-0.0075220	0.0000000	0.0000000
Thorium	283.730	0.0000000	0.0215840	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 1/19/2007

Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.904	0.0000000	-0.0005360	0.0000000	0.0000000	0.0080940
Uranium	370.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0006610	0.0000000	0.0000000	0.0014020
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	481.053	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL DENVER

Total Metals Analysis
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ICP LINEAR RANGES (QUARTERLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: Thermo 6500 Date: 4/12/2007

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Aluminum Lo	40.00	3000	P
Aluminum Hi	16.00	1000000	P
Calcium Lo	16.00	3000000	P
Iron Lo	16.00	200000	P
Iron Hi	16.00	2000000	P
Potassium	16.00	500000	P
Magnesium	16.00	2000000	P
Sodium Lo	16.00	200000	P
Sodium Hi	16.00	10000000	P
Strontium	16.00	20000	P
Titanium	16.00	25000	P

Comments: _____

STL DENVER

Total Metals Analysis

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PREPARATION LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Method: P Prep Method:

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
BFB-A-SS-03-06	7/6/2007	1.00	100.0
BFB-A-SS-03-07	7/6/2007	1.00	100.0
BFB-A-SS-03-05	7/6/2007	1.00	100.0
BFB-B-SS-03-02	7/6/2007	1.00	100.0
BFB-B-SS-03-08	7/6/2007	1.00	100.0
BFB-C-SS-03-12	7/6/2007	1.00	100.0
BFB-C-SS-03-03	7/6/2007	1.00	100.0
BFB-C-SS-03-03 MS	7/6/2007	1.00	100.0
BFB-C-SS-03-03 MSD	7/6/2007	1.00	100.0
BFB-C-SS-03-10	7/6/2007	1.00	100.0
BFB-C-SS-03-01	7/6/2007	1.00	100.0
BFB-C-SS-03-09	7/6/2007	1.00	100.0
BFB-A-SS-03-04	7/6/2007	1.00	100.0
MB7181055	7/6/2007	1.00	100.0
Check Sample	7/6/2007	1.00	100.0

Comments:

STL DENVER

Total Metals Analysis

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ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: Thermo 6500 Method: P

Start Date: 7/9/2007 End Date: 7/9/2007

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
STD1-BLANK	1.00	08:20		X						X				X		X				X			X					*
ICAL1A	1.00	08:24		X						X				X		X				X			X					*
ICAL2A	1.00	08:29		X										X									X					
ICAL1A	1.00	08:33		X						X				X		X				X			X					*
ICAL2A	1.00	08:38		X						X				X		X				X			X					*
ICVH	1.00	08:42		X										X									X					
ICVL	1.00	08:52		X						X				X		X				X			X					*
ICVL	1.00	08:55		X						X				X		X				X			X					*
CCVH1	1.00	08:59		X										X									X					
CCVL1	1.00	09:03		X						X				X		X				X			X					*
ICB	1.00	09:08		X						X				X		X				X			X					*
RLSTD3	1.00	09:12		X						X						X				X			X					*
ICSA	1.00	09:17		X						X				X		X				X			X					*
ICSAB	1.00	09:22		X						X				X		X				X			X					*
LR	1.00	09:26		X						X				X		X				X			X					*
ALTCRI	1.00	09:39												X														
CCVH1	1.00	09:46		X										X									X					
CCVL1	1.00	09:51		X						X				X		X				X			X					*
CCVL1	1.00	10:37		X						X				X		X				X			X					*
CCB	1.00	10:41		X						X				X		X				X			X					*
CCVH1	1.00	13:12		X										X									X					
CCVL1	1.00	13:16		X						X				X		X				X			X					*
CCB	1.00	13:21		X						X				X		X				X			X					*
MB7181055	1.00	13:30		X						X				X		X				X			X					*
Check Sample	1.00	13:35		X						X				X		X				X			X					*
BFB-A-SS-03-06	1.00	13:39		X						X				X		X				X			X					*
BFB-A-SS-03-07	1.00	13:44		X						X				X		X				X			X					*
BFB-A-SS-03-05	1.00	13:48		X						X				X		X				X			X					*
BFB-B-SS-03-02	1.00	13:53		X						X				X		X				X			X					*
BFB-B-SS-03-08	1.00	13:58		X						X				X		X				X			X					*
BFB-C-SS-03-12	1.00	14:02		X						X				X		X				X			X					*
CCVH1	1.00	14:07		X										X									X					
CCVL1	1.00	14:11		X						X				X		X				X			X					*

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL DENVER

Total Metals Analysis

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ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: Thermo 6500 Method: P

Start Date: 7/9/2007 End Date: 7/9/2007

Sample ID.	D/F	Time	% R	Analytes																									
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
CCB	1.00	14:16		X						X				X		X				X			X						*
BFB-C-SS-03-03	1.00	14:20		X						X				X		X				X			X						*
BFB-C-SS-03-03 SER	5.00	14:25		X						X				X		X				X			X						*
BFB-C-SS-03-03 MS	1.00	14:30		X						X				X		X				X			X						*
BFB-C-SS-03-03 MSD	1.00	14:34		X						X				X		X				X			X						*
BFB-C-SS-03-03 PDS	1.00	14:39		X						X				X		X				X			X						*
BFB-C-SS-03-10	1.00	14:43		X						X				X		X				X			X						*
BFB-C-SS-03-01	1.00	14:48		X						X				X		X				X			X						*
BFB-C-SS-03-09	1.00	14:52		X						X				X		X				X			X						*
BFB-A-SS-03-04	1.00	14:57		X						X				X		X				X			X						*
CCVH1	1.00	15:02		X										X									X						
CCVL1	1.00	15:06		X						X				X		X				X			X						*
CCB	1.00	15:11		X						X				X		X				X			X						*

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL DENVER

Total Metals Analysis

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ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: Thermo 6500 Method: P

Start Date: 7/9/2007 End Date: 7/9/2007

Sample ID.	D/F	Time	% R	Analytes																							
				B	AU	LI	MO	OS	PD	P	PT	SI	S	SN	SR	TI	U	W	IN	TH	ZR						
STD1-BLANK	1.00	08:20													X	X											
ICAL1A	1.00	08:24													X	X											
ICAL2A	1.00	08:29																									
ICAL1A	1.00	08:33													X	X											
ICAL2A	1.00	08:38													X	X											
ICVH	1.00	08:42																									
ICVL	1.00	08:52													X	X											
ICVL	1.00	08:55													X	X											
CCVH1	1.00	08:59																									
CCVL1	1.00	09:03													X	X											
ICB	1.00	09:08													X	X											
RLSTD3	1.00	09:12													X	X											
ICSA	1.00	09:17													X	X											
ICSAB	1.00	09:22													X	X											
LR	1.00	09:26													X	X											
ALTCRI	1.00	09:39																									
CCVH1	1.00	09:46																									
CCVL1	1.00	09:51													X	X											
CCVL1	1.00	10:37													X	X											
CCB	1.00	10:41													X	X											
CCVH1	1.00	13:12																									
CCVL1	1.00	13:16													X	X											
CCB	1.00	13:21													X	X											
MB7181055	1.00	13:30													X	X											
Check Sample	1.00	13:35													X	X											
BFB-A-SS-03-06	1.00	13:39													X	X											
BFB-A-SS-03-07	1.00	13:44													X	X											
BFB-A-SS-03-05	1.00	13:48													X	X											
BFB-B-SS-03-02	1.00	13:53													X	X											
BFB-B-SS-03-08	1.00	13:58													X	X											
BFB-C-SS-03-12	1.00	14:02													X	X											
CCVH1	1.00	14:07																									
CCVL1	1.00	14:11													X	X											
CCB	1.00	14:16													X	X											

STL DENVER

Total Metals Analysis

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ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: Thermo 6500 Method: P

Start Date: 7/9/2007 End Date: 7/9/2007

Sample ID.	D/F	Time	% R	Analytes																							
				B	AU	LI	MO	OS	PD	P	PT	SI	S	SN	SR	TI	U	W	IN	TH	ZR						
BFB-C-SS-03-03	1.00	14:20													X	X											
BFB-C-SS-03-03 SER	5.00	14:25													X	X											
BFB-C-SS-03-03 MS	1.00	14:30													X	X											
BFB-C-SS-03-03 MSD	1.00	14:34													X	X											
BFB-C-SS-03-03 PDS	1.00	14:39													X	X											
BFB-C-SS-03-10	1.00	14:43													X	X											
BFB-C-SS-03-01	1.00	14:48													X	X											
BFB-C-SS-03-09	1.00	14:52													X	X											
BFB-A-SS-03-04	1.00	14:57													X	X											
CCVH1	1.00	15:02																									
CCVL1	1.00	15:06													X	X											
CCB	1.00	15:11													X	X											

STL DENVER

Total Metals Analysis

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: Parsons Corporation

SDG No.: D7F270299

Lab Code: STLDEN

Case No.:

SAS No.:

SOW No.:

Sample ID.	Lab Sample No.
BFB-A-SS-03-04	D7F270299-011
BFB-A-SS-03-05	D7F270299-003
BFB-A-SS-03-06	D7F270299-001
BFB-A-SS-03-07	D7F270299-002
BFB-B-SS-03-02	D7F270299-004
BFB-B-SS-03-08	D7F270299-005
BFB-C-SS-03-01	D7F270299-009
BFB-C-SS-03-03	D7F270299-007
BFB-C-SS-03-03 MS	D7F270299-007S
BFB-C-SS-03-03 MSD	D7F270299-007SD
BFB-C-SS-03-09	D7F270299-010
BFB-C-SS-03-10	D7F270299-008
BFB-C-SS-03-12	D7F270299-006

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: 6020

I 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. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Janice Collins

Name: Janice Collins

Date: 7/20/07

Title: Metals Analyst

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-06
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-001
Matrix:	SOLID	**Lab WorkOrder:**	J1XHL
% Moisture:	1.5	**Date/Time Collected:**	06/25/07 10:38
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:19
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**4.1**	0.015	0.61	
7440-39-3	Barium	**70**	0.053	0.28	
7440-41-7	Beryllium	**0.30**	0.020	0.10	
7440-43-9	Cadmium	**0.087**	0.0062	0.10	J
7440-47-3	Chromium	**8.5**	0.061	0.71	
7440-48-4	Cobalt	**4.8**	0.0025	0.10	
7440-50-8	Copper	**7.3**	0.082	0.32	
7439-92-1	Lead	**16**	0.051	0.41	
7439-96-5	Manganese	**220**	0.084	1.0	
7439-98-7	Molybdenum	**0.21**	0.016	0.20	
7440-02-0	Nickel	**3.8**	0.041	0.36	
7782-49-2	Selenium	**0.66**	0.081	0.51	
7440-22-4	Silver	**0.048**	0.016	0.10	J
7440-28-0	Thallium	**0.18**	0.0030	0.10	
7440-62-2	Vanadium	**24**	0.030	0.51	
7440-66-6	Zinc	**26**	0.25	2.5	

Form 1 Analysis Data Sheet Equivalent

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-07
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-002
Matrix:	SOLID	**Lab WorkOrder:**	J1XHR
% Moisture:	1.9	**Date/Time Collected:**	06/25/07 11:06
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:23
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.065	0.065	0.25	U
7440-38-2	Arsenic	**5.1**	0.015	0.61	
7440-39-3	Barium	**240**	0.053	0.29	
7440-41-7	Beryllium	**0.31**	0.020	0.10	
7440-43-9	Cadmium	**0.092**	0.0062	0.10	J
7440-47-3	Chromium	**9.7**	0.061	0.71	
7440-48-4	Cobalt	**3.2**	0.0025	0.10	
7440-50-8	Copper	**8.6**	0.083	0.33	
7439-92-1	Lead	**23**	0.051	0.41	
7439-96-5	Manganese	**160**	0.085	1.0	
7439-98-7	Molybdenum	**0.26**	0.016	0.20	
7440-02-0	Nickel	**3.8**	0.041	0.36	
7782-49-2	Selenium	**0.71**	0.082	0.51	
7440-22-4	Silver	**0.053**	0.016	0.10	J
7440-28-0	Thallium	**0.17**	0.0031	0.10	
7440-62-2	Vanadium	**33**	0.031	0.51	
7440-66-6	Zinc	**34**	0.25	2.5	

Form 1 Analysis Data Sheet Equivalent

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-05
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-003
Matrix:	SOLID	**Lab WorkOrder:**	J1XHT
% Moisture:	1.4	**Date/Time Collected:**	06/25/07 11:47
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:26
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**4.4**	0.015	0.61	
7440-39-3	Barium	**110**	0.053	0.28	
7440-41-7	Beryllium	**0.32**	0.020	0.10	
7440-43-9	Cadmium	**0.37**	0.0062	0.10	
7440-47-3	Chromium	**14**	0.061	0.71	
7440-48-4	Cobalt	**5.0**	0.0025	0.10	
7440-50-8	Copper	**20**	0.082	0.32	
7439-92-1	Lead	**28**	0.051	0.41	
7439-96-5	Manganese	**260**	0.084	1.0	
7439-98-7	Molybdenum	**1.3**	0.016	0.20	
7440-02-0	Nickel	**11**	0.041	0.35	
7782-49-2	Selenium	**0.61**	0.081	0.51	
7440-22-4	Silver	**0.070**	0.016	0.10	J
7440-28-0	Thallium	**0.19**	0.0030	0.10	
7440-62-2	Vanadium	**27**	0.030	0.51	
7440-66-6	Zinc	**47**	0.25	2.5	

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-02
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-004
Matrix:	SOLID	**Lab WorkOrder:**	J1XHV
% Moisture:	1.3	**Date/Time Collected:**	06/25/07 12:46
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:38
Sample Aliquot:	1.01 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**4.0**	0.015	0.61	
7440-39-3	Barium	**94**	0.053	0.28	
7440-41-7	Beryllium	**0.33**	0.020	0.10	
7440-43-9	Cadmium	**0.10**	0.0062	0.10	
7440-47-3	Chromium	**10**	0.061	0.71	
7440-48-4	Cobalt	**5.7**	0.0025	0.10	
7440-50-8	Copper	**8.8**	0.082	0.32	
7439-92-1	Lead	**25**	0.051	0.41	
7439-96-5	Manganese	**270**	0.084	1.0	
7439-98-7	Molybdenum	**0.30**	0.016	0.20	
7440-02-0	Nickel	**4.3**	0.041	0.35	
7782-49-2	Selenium	**0.72**	0.081	0.51	
7440-22-4	Silver	**0.043**	0.016	0.10	J
7440-28-0	Thallium	**0.17**	0.0030	0.10	
7440-62-2	Vanadium	**34**	0.030	0.51	
7440-66-6	Zinc	**27**	0.25	2.5	

Form 1 Analysis Data Sheet Equivalent

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-08
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-005
Matrix:	SOLID	**Lab WorkOrder:**	J1XHX
% Moisture:	0.92	**Date/Time Collected:**	06/25/07 13:28
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:41
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**3.6**	0.015	0.61	
7440-39-3	Barium	**53**	0.053	0.28	
7440-41-7	Beryllium	**0.28**	0.020	0.10	
7440-43-9	Cadmium	**0.095**	0.0062	0.10	J
7440-47-3	Chromium	**7.6**	0.061	0.71	
7440-48-4	Cobalt	**5.1**	0.0025	0.10	
7440-50-8	Copper	**10**	0.082	0.32	
7439-92-1	Lead	**22**	0.050	0.40	
7439-96-5	Manganese	**180**	0.084	1.0	
7439-98-7	Molybdenum	**0.24**	0.016	0.20	
7440-02-0	Nickel	**3.7**	0.040	0.35	
7782-49-2	Selenium	**0.53**	0.081	0.50	
7440-22-4	Silver	**0.046**	0.016	0.10	J
7440-28-0	Thallium	**0.15**	0.0030	0.10	
7440-62-2	Vanadium	**31**	0.030	0.50	
7440-66-6	Zinc	**33**	0.25	2.5	

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Parsons Corporation
Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-12
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-006
Matrix:	SOLID	**Lab WorkOrder:**	J1XH0
% Moisture:	0.98	**Date/Time Collected:**	06/26/07 08:05
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:45
Sample Aliquot:	1 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**2.4**	0.015	0.61	
7440-39-3	Barium	**63**	0.053	0.28	
7440-41-7	Beryllium	**0.26**	0.020	0.10	
7440-43-9	Cadmium	**0.048**	0.0062	0.10	J
7440-47-3	Chromium	**5.8**	0.061	0.71	
7440-48-4	Cobalt	**3.2**	0.0025	0.10	
7440-50-8	Copper	**4.6**	0.082	0.32	
7439-92-1	Lead	**9.3**	0.050	0.40	
7439-96-5	Manganese	**240**	0.084	1.0	
7439-98-7	Molybdenum	**0.14**	0.016	0.20	J
7440-02-0	Nickel	**2.6**	0.040	0.35	
7782-49-2	Selenium	**0.56**	0.081	0.50	
7440-22-4	Silver	**0.031**	0.016	0.10	J
7440-28-0	Thallium	**0.13**	0.0030	0.10	
7440-62-2	Vanadium	**20**	0.030	0.50	
7440-66-6	Zinc	**19**	0.25	2.5	

Form 1 Analysis Data Sheet Equivalent

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-007
Matrix:	SOLID	**Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:49
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U J
7440-38-2	Arsenic	**2.3**	0.015	0.60	J
7440-39-3	Barium	**64**	0.053	0.28	J
7440-41-7	Beryllium	**0.26**	0.020	0.10	
7440-43-9	Cadmium	**0.046**	0.0062	0.10	J
7440-47-3	Chromium	**5.6**	0.060	0.71	
7440-48-4	Cobalt	**3.1**	0.0025	0.10	J
7440-50-8	Copper	**4.8**	0.082	0.32	J
7439-92-1	Lead	**9.8**	0.050	0.40	J
7439-96-5	Manganese	**240**	0.084	1.0	J
7439-98-7	Molybdenum	**0.14**	0.016	0.20	J J
7440-02-0	Nickel	**2.7**	0.040	0.35	J
7782-49-2	Selenium	**0.57**	0.081	0.50	J
7440-22-4	Silver	**0.033**	0.016	0.10	J
7440-28-0	Thallium	**0.12**	0.0030	0.10	
7440-62-2	Vanadium	**19**	0.030	0.50	J
7440-66-6	Zinc	**20**	0.25	2.5	J

Form 1 Analysis Data Sheet Equivalent

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-10
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-008
Matrix:	SOLID	**Lab WorkOrder:**	J1XH4
% Moisture:	1.0	**Date/Time Collected:**	06/26/07 09:16
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 02:15
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**4.5**	0.015	0.61	
7440-39-3	Barium	**76**	0.053	0.28	
7440-41-7	Beryllium	**0.40**	0.020	0.10	
7440-43-9	Cadmium	**0.13**	0.0062	0.10	
7440-47-3	Chromium	**8.5**	0.061	0.71	
7440-48-4	Cobalt	**4.2**	0.0025	0.10	
7440-50-8	Copper	**9.2**	0.082	0.32	
7439-92-1	Lead	**33**	0.051	0.40	
7439-96-5	Manganese	**270**	0.084	1.0	
7439-98-7	Molybdenum	**0.35**	0.016	0.20	
7440-02-0	Nickel	**4.6**	0.040	0.35	
7782-49-2	Selenium	**0.53**	0.081	0.51	
7440-22-4	Silver	**0.084**	0.016	0.10	J
7440-28-0	Thallium	**0.19**	0.0030	0.10	
7440-62-2	Vanadium	**29**	0.030	0.51	
7440-66-6	Zinc	**43**	0.25	2.5	

Form 1 Analysis Data Sheet Equivalent

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-01
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-009
Matrix:	SOLID	**Lab WorkOrder:**	J1XH6
% Moisture:	4.0	**Date/Time Collected:**	06/26/07 10:49
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 02:19
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.066	0.066	0.26	U
7440-38-2	Arsenic	**8.4**	0.015	0.63	
7440-39-3	Barium	**170**	0.055	0.29	
7440-41-7	Beryllium	**0.62**	0.021	0.10	
7440-43-9	Cadmium	**0.40**	0.0064	0.10	
7440-47-3	Chromium	**9.0**	0.063	0.73	
7440-48-4	Cobalt	**4.9**	0.0026	0.10	
7440-50-8	Copper	**15**	0.084	0.33	
7439-92-1	Lead	**54**	0.052	0.42	
7439-96-5	Manganese	**650**	0.086	1.0	
7439-98-7	Molybdenum	**0.46**	0.017	0.21	
7440-02-0	Nickel	**7.1**	0.042	0.36	
7782-49-2	Selenium	**1.1**	0.083	0.52	
7440-22-4	Silver	**0.13**	0.016	0.10	
7440-28-0	Thallium	**0.15**	0.0031	0.10	
7440-62-2	Vanadium	**31**	0.031	0.52	
7440-66-6	Zinc	**66**	0.26	2.6	

Form 1 Analysis Data Sheet Equivalent

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Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-09
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-010
Matrix:	SOLID	**Lab WorkOrder:**	J1XH8
% Moisture:	0.85	**Date/Time Collected:**	06/26/07 11:17
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 02:22
Sample Aliquot:	1.01 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**4.0**	0.015	0.61	
7440-39-3	Barium	**62**	0.053	0.28	
7440-41-7	Beryllium	**0.23**	0.020	0.10	
7440-43-9	Cadmium	**0.12**	0.0062	0.10	
7440-47-3	Chromium	**6.0**	0.061	0.71	
7440-48-4	Cobalt	**3.5**	0.0025	0.10	
7440-50-8	Copper	**8.7**	0.082	0.32	
7439-92-1	Lead	**26**	0.050	0.40	
7439-96-5	Manganese	**170**	0.084	1.0	
7439-98-7	Molybdenum	**0.24**	0.016	0.20	
7440-02-0	Nickel	**3.2**	0.040	0.35	
7782-49-2	Selenium	**0.61**	0.081	0.50	
7440-22-4	Silver	**0.050**	0.016	0.10	J
7440-28-0	Thallium	**0.13**	0.0030	0.10	
7440-62-2	Vanadium	**22**	0.030	0.50	
7440-66-6	Zinc	**29**	0.25	2.5	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-04
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-011
Matrix:	SOLID	**Lab WorkOrder:**	J1XH9
% Moisture:	0.75	**Date/Time Collected:**	06/26/07 12:59
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 02:26
Sample Aliquot:	0.99 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.064	0.064	0.25	U
7440-38-2	Arsenic	**3.6**	0.015	0.60	
7440-39-3	Barium	**99**	0.053	0.28	
7440-41-7	Beryllium	**0.27**	0.020	0.10	
7440-43-9	Cadmium	**0.080**	0.0062	0.10	J
7440-47-3	Chromium	**7.4**	0.060	0.71	
7440-48-4	Cobalt	**4.0**	0.0025	0.10	
7440-50-8	Copper	**7.1**	0.082	0.32	
7439-92-1	Lead	**18**	0.050	0.40	
7439-96-5	Manganese	**190**	0.084	1.0	
7439-98-7	Molybdenum	**0.16**	0.016	0.20	J
7440-02-0	Nickel	**3.1**	0.040	0.35	
7782-49-2	Selenium	**0.66**	0.081	0.50	
7440-22-4	Silver	**0.049**	0.016	0.10	J
7440-28-0	Thallium	**0.17**	0.0030	0.10	
7440-62-2	Vanadium	**23**	0.030	0.50	
7440-66-6	Zinc	**28**	0.25	2.5	

Form 1 Analysis Data Sheet Equivalent

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	40.0	39.4	98.5	50.0	51.7	103.4	49.2	98.4	M
Arsenic	40.0	41.4	103.5	50.0	50.9	101.8	50.9	101.8	M
Barium	40.0	41.4	103.5	50.0	52.6	105.2	49.7	99.4	M
Beryllium	40.0	41.4	103.5	50.0	47.0	94.0	48.8	97.6	M
Cadmium	40.0	41.8	104.5	50.0	53.0	106.0	49.6	99.2	M
Chromium	40.0	41.7	104.2	50.0	52.9	105.8	50.0	100.0	M
Cobalt	40.0	41.4	103.5	50.0	52.7	105.4	50.3	100.6	M
Copper	40.0	41.5	103.8	50.0	52.0	104.0	50.1	100.2	M
Lead	40.0	39.3	98.2	50.0	50.1	100.2	49.1	98.2	M
Manganese	40.0	41.8	104.5	50.0	52.8	105.6	49.8	99.6	M
Molybdenum	40.0	40.4	101.0	50.0	51.4	102.8	49.2	98.4	M
Nickel	40.0	42.3	105.8	50.0	53.1	106.2	50.1	100.2	M
Selenium	40.0	41.1	102.8	50.0	50.0	100.0	53.0	106.0	M
Silver	40.0	38.4	96.0	50.0	52.1	104.2	49.6	99.2	M
Thallium	40.0	39.8	99.5	50.0	49.8	99.6	48.7	97.4	M
Vanadium	40.0	42.2	105.5	50.0	53.2	106.4	49.5	99.0	M
Zinc	40.0	41.4	103.5	50.0	52.3	104.6	50.8	101.6	M

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Antimony				50.0	49.7	99.4	52.7	105.4	M
Arsenic				50.0	49.8	99.6	51.8	103.6	M
Barium				50.0	49.9	99.8	53.1	106.2	M
Beryllium				50.0	49.1	98.2	48.5	97.0	M
Cadmium				50.0	49.9	99.8	52.2	104.4	M
Chromium				50.0	50.2	100.4	51.6	103.2	M
Cobalt				50.0	50.1	100.2	51.1	102.2	M
Copper				50.0	50.5	101.0	51.7	103.4	M
Lead				50.0	49.0	98.0	50.9	101.8	M
Manganese				50.0	50.2	100.4	51.2	102.4	M
Molybdenum				50.0	48.9	97.8	51.9	103.8	M
Nickel				50.0	50.3	100.6	51.6	103.2	M
Selenium				50.0	50.2	100.4	51.6	103.2	M
Silver				50.0	49.2	98.4	52.0	104.0	M
Thallium				50.0	48.7	97.4	50.4	100.8	M
Vanadium				50.0	50.1	100.2	51.3	102.6	M
Zinc				50.0	48.9	97.8	51.0	102.0	M

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Initial Calibration Source: High Purity

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Antimony				50.0	50.3	100.6	49.4	98.8	M
Arsenic				50.0	49.8	99.6	49.4	98.8	M
Barium				50.0	50.3	100.6	50.6	101.2	M
Beryllium				50.0	51.2	102.4	47.0	94.0	M
Cadmium				50.0	50.5	101.0	48.8	97.6	M
Chromium				50.0	51.6	103.2	50.5	101.0	M
Cobalt				50.0	50.8	101.6	49.2	98.4	M
Copper				50.0	51.2	102.4	49.8	99.6	M
Lead				50.0	49.3	98.6	48.8	97.6	M
Manganese				50.0	50.9	101.8	49.4	98.8	M
Molybdenum				50.0	49.9	99.8	48.5	97.0	M
Nickel				50.0	50.1	100.2	50.0	100.0	M
Selenium				50.0	49.3	98.6	49.1	98.2	M
Silver				50.0	50.0	100.0	49.9	99.8	M
Thallium				50.0	48.9	97.8	49.3	98.6	M
Vanadium				50.0	51.4	102.8	50.6	101.2	M
Zinc				50.0	49.7	99.4	48.2	96.4	M

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Initial Calibration Source: High Purity

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Antimony				50.0	49.8	99.6	51.9	103.8	M
Arsenic				50.0	50.9	101.8	51.8	103.6	M
Barium				50.0	50.7	101.4	53.4	106.8	M
Beryllium				50.0	48.8	97.6	49.2	98.4	M
Cadmium				50.0	49.9	99.8	51.8	103.6	M
Chromium				50.0	50.9	101.8	53.1	106.2	M
Cobalt				50.0	50.5	101.0	51.6	103.2	M
Copper				50.0	50.7	101.4	52.7	105.4	M
Lead				50.0	50.1	100.2	53.2	106.4	M
Manganese				50.0	50.1	100.2	51.9	103.8	M
Molybdenum				50.0	50.1	100.2	51.8	103.6	M
Nickel				50.0	50.4	100.8	52.0	104.0	M
Selenium				50.0	49.1	98.2	51.5	103.0	M
Silver				50.0	50.9	101.8	52.8	105.6	M
Thallium				50.0	50.1	100.2	53.0	106.0	M
Vanadium				50.0	50.8	101.6	52.5	105.0	M
Zinc				50.0	49.2	98.4	50.4	100.8	M

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: High Purity

Continuing Calibration Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Antimony				50.0	51.1	102.2	50.3	100.6	M
Arsenic				50.0	51.2	102.4	50.2	100.4	M
Barium				50.0	50.5	101.0	49.8	99.6	M
Beryllium				50.0	50.1	100.2	48.6	97.2	M
Cadmium				50.0	50.9	101.8	50.4	100.8	M
Chromium				50.0	51.6	103.2	51.0	102.0	M
Cobalt				50.0	51.7	103.4	50.3	100.6	M
Copper				50.0	51.0	102.0	50.8	101.6	M
Lead				50.0	50.5	101.0	51.2	102.4	M
Manganese				50.0	51.1	102.2	49.8	99.6	M
Molybdenum				50.0	50.6	101.2	49.6	99.2	M
Nickel				50.0	52.5	105.0	51.2	102.4	M
Selenium				50.0	50.1	100.2	49.9	99.8	M
Silver				50.0	51.2	102.4	50.1	100.2	M
Thallium				50.0	50.4	100.8	50.3	100.6	M
Vanadium				50.0	52.0	104.0	51.0	102.0	M
Zinc				50.0	51.4	102.8	50.2	100.4	M

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG No.: D7F270299

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				1.00	1.07	107.0		
Arsenic				1.00	0.90	90.0		
Barium				1.00	1.02	102.0		
Beryllium				1.00	1.015	101.5		
Cadmium				1.00	1.085	108.5		
Chromium				1.00	1.03	103.0		
Cobalt				1.00	1.04	104.0		
Copper				1.00	1.04	104.0		
Lead				1.00	1.038	103.8		
Manganese				1.00	1.06	106.0		
Molybdenum				1.00	1.03	103.0		
Nickel				1.00	1.09	109.0		
Selenium				1.00	0.99	99.0		
Silver				1.00	1.03	103.0		
Thallium				1.00	1.027	102.7		
Vanadium				1.00	1.06	106.0		
Zinc				10.00	10.44	104.4		

Comments:

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F300000-046B
Matrix:	SOLID	**Lab WorkOrder:**	J15V8
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:11
Sample Aliquot:	1 g	**Instrument ID:**	004
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7440-36-0	Antimony	0.063	0.063	0.25	U
7440-38-2	Arsenic	0.015	0.015	0.60	U
7439-92-1	Lead	0.050	0.050	0.40	U
7439-96-5	Manganese	**0.096**	0.083	1.0	J
7439-98-7	Molybdenum	0.016	0.016	0.20	U
7440-39-3	Barium	0.052	0.052	0.28	U
7440-02-0	Nickel	0.040	0.040	0.35	U
7440-41-7	Beryllium	0.020	0.020	0.10	U
7782-49-2	Selenium	0.080	0.080	0.50	U
7440-22-4	Silver	0.016	0.016	0.10	U
7440-28-0	Thallium	0.0030	0.0030	0.10	U
7440-62-2	Vanadium	0.030	0.030	0.50	U
7440-66-6	Zinc	**0.29**	0.25	2.5	J
7440-47-3	Chromium	0.060	0.060	0.70	U
7440-43-9	Cadmium	0.0061	0.0061	0.10	U
7440-48-4	Cobalt	0.0025	0.0025	0.10	U
7440-50-8	Copper	0.081	0.081	0.32	U

STL DENVER

Total Metals Analysis

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BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony	0.630	U	0.630	U	0.630	U	0.630	U	0.063	U	M
Arsenic	0.150	U	0.150	U	0.150	U	0.189	B	0.015	U	M
Barium	0.520	U	0.520	U	0.520	U	0.520	U	0.052	U	M
Beryllium	0.200	U	0.200	U	0.200	U	0.200	U	0.02	U	M
Cadmium	0.061	U	0.061	U	0.061	U	0.061	U	0.0061	U	M
Chromium	0.600	U	0.600	U	0.600	U	0.600	U	0.06	U	M
Cobalt	0.025	U	0.025	U	0.025	U	0.025	U	0.0025	U	M
Copper	0.810	U	0.810	U	0.810	U	0.810	U	0.081	U	M
Lead	0.500	U	0.500	U	0.500	U	0.500	U	0.05	U	M
Manganese	0.830	U	0.830	U	0.830	U	0.830	U	0.096	B	M
Molybdenum	0.160	U	0.160	U	0.160	U	0.160	U	0.016	U	M
Nickel	0.400	U	0.400	U	0.400	U	0.400	U	0.04	U	M
Selenium	0.800	U	0.800	U	0.800	U	0.800	U	0.08	U	M
Silver	0.160	U	0.160	U	0.160	U	0.160	U	0.016	U	M
Thallium	0.030	U	0.030	U	0.030	U	0.030	U	0.003	U	M
Vanadium	0.300	U	0.300	U	0.300	U	0.300	U	0.03	U	M
Zinc	2.500	U	2.500	U	2.500	U	2.500	U	0.29	B	M

Comments:

STL DENVER

Total Metals Analysis

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BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Antimony			0.630	U	0.630	U	0.630	U					M
Arsenic			0.150	U	0.193	B	0.150	U					M
Barium			0.520	U	0.520	U	0.520	U					M
Beryllium			0.200	U	0.200	U	0.200	U					M
Cadmium			0.061	U	0.061	U	0.061	U					M
Chromium			0.600	U	0.600	U	0.600	U					M
Cobalt			0.025	U	0.025	U	0.025	U					M
Copper			0.810	U	0.810	U	0.810	U					M
Lead			0.500	U	0.500	U	0.500	U					M
Manganese			0.830	U	0.830	U	0.830	U					M
Molybdenum			0.160	U	0.160	U	0.160	U					M
Nickel			0.400	U	0.400	U	0.400	U					M
Selenium			0.800	U	0.800	U	0.800	U					M
Silver			0.160	U	0.160	U	0.160	U					M
Thallium			0.030	U	0.030	U	0.030	U					M
Vanadium			0.300	U	0.300	U	0.300	U					M
Zinc			2.500	U	2.500	U	2.500	U					M

Comments:

STL DENVER

Total Metals Analysis

-3-

BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Antimony			0.630	U	0.630	U	0.630	U					M
Arsenic			0.150	U	0.150	U	0.150	U					M
Barium			0.520	U	0.520	U	0.520	U					M
Beryllium			0.200	U	0.200	U	0.200	U					M
Cadmium			0.061	U	0.061	U	0.061	U					M
Chromium			0.600	U	0.600	U	0.600	U					M
Cobalt			0.025	U	0.025	U	0.025	U					M
Copper			0.810	U	0.810	U	0.810	U					M
Lead			0.500	U	0.500	U	0.500	U					M
Manganese			0.830	U	0.830	U	0.830	U					M
Molybdenum			0.160	U	0.160	U	0.160	U					M
Nickel			0.400	U	0.400	U	0.400	U					M
Selenium			0.800	U	0.800	U	0.800	U					M
Silver			0.160	U	0.160	U	0.160	U					M
Thallium			0.030	U	0.030	U	0.030	U					M
Vanadium			0.300	U	0.300	U	0.300	U					M
Zinc			2.500	U	2.500	U	2.500	U					M

Comments:

STL DENVER

Total Metals Analysis

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BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			0.630	U							M
Arsenic			0.150	U							M
Barium			0.520	U							M
Beryllium			0.200	U							M
Cadmium			0.061	U							M
Chromium			0.600	U							M
Cobalt			0.025	U							M
Copper			0.810	U							M
Lead			0.500	U							M
Manganese			0.830	U							M
Molybdenum			0.180	B							M
Nickel			0.400	U							M
Selenium			0.800	U							M
Silver			0.160	U							M
Thallium			0.030	U							M
Vanadium			0.300	U							M
Zinc			2.500	U							M

Comments:

STL DENVER

Total Metals Analysis

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ICP INTERFERENCE CHECK SAMPLE

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: PE ICPMS ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Antimony	0.0	100.0	0.22	106.39	106.4	0.18	101.56	101.6
Arsenic	0.0	100.0	0.29	96.33	96.3	0.11	92.44	92.4
Barium	0.0	100.0	0.06	102.06	102.1	-0.01	101.81	101.8
Beryllium	0.0	100.0	0.00	100.06	100.1	0.02	104.57	104.6
Cadmium	0.0	100.0	4.14	102.24	102.2	5.37	99.16	99.2
Chromium	0.0	100.0	3.42	100.68	100.7	4.10	92.08	92.1
Cobalt	0.0	100.0	0.33	95.46	95.5	0.46	85.18	85.2
Copper	0.0	100.0	1.68	88.31	88.3	2.45	82.01	82.0
Lead	0.0	100.0	0.13	102.07	102.1	0.10	102.10	102.1
Manganese	0.0	100.0	1.38	99.72	99.7	1.29	87.08	87.1
Molybdenum	2000.0	2100.0	2322.11	2423.22	115.4	2038.30	2091.26	99.6
Nickel	0.0	100.0	6.52	96.72	96.7	10.40	92.29	92.3
Selenium	0.0	100.0	1.89	98.15	98.2	1.81	95.33	95.3
Silver	0.0	100.0	0.11	93.04	93.0	0.00	86.81	86.8
Thallium	0.0	100.0	0.01	102.30	102.3	0.00	101.16	101.2
Vanadium	0.0	100.0	0.55	100.76	100.8	0.33	91.95	92.0
Zinc	0.0	100.0	15.89	107.55	107.6	14.27	96.38	96.4

STL DENVER

Total Metals Analysis

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ICP INTERFERENCE CHECK SAMPLE

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: PE ICPMS ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True Sol.A	True Sol.AB	Initial Found Sol.A	Initial Found Sol.AB	Initial Found %R	Final Found Sol.A	Final Found Sol.AB	Final Found %R
Antimony	0.0	100.0				0.20	104.75	104.8
Arsenic	0.0	100.0				-0.01	93.43	93.4
Barium	0.0	100.0				0.03	102.37	102.4
Beryllium	0.0	100.0				0.01	116.05	116.0
Cadmium	0.0	100.0				6.92	105.58	105.6
Chromium	0.0	100.0				4.43	92.84	92.8
Cobalt	0.0	100.0				0.57	87.46	87.5
Copper	0.0	100.0				3.04	85.65	85.6
Lead	0.0	100.0				0.11	106.33	106.3
Manganese	0.0	100.0				1.33	89.46	89.5
Molybdenum	2000.0	2100.0				2115.49	2232.82	106.3
Nickel	0.0	100.0				12.67	98.88	98.9
Selenium	0.0	100.0				1.67	94.11	94.1
Silver	0.0	100.0				-0.01	92.59	92.6
Thallium	0.0	100.0				0.00	105.55	105.6
Vanadium	0.0	100.0				0.81	93.47	93.5
Zinc	0.0	100.0				14.71	101.84	101.8

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MS Lab Sample ID:**	D7F270299-007S
Matrix:	SOLID	**MS Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 02:07
MS Sample Aliquot:	0.99 g	**Instrument ID:**	004
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Antimony	4.07	0.064	U J	0.213		5.0	N	80 - 120
Arsenic	4.07	2.3	J	5.24		71	N	80 - 120
Barium	4.07	64	J	62.6		0.0	N	80 - 120
Beryllium	4.07	0.26		3.79		87		80 - 120
Cadmium	4.07	0.046	J	3.77		91		80 - 120
Chromium	4.07	5.6		8.86		81		80 - 120
Cobalt	4.07	3.1	J	6.20		75	N	80 - 120
Copper	4.07	4.8	J	7.95		76	N	80 - 120
Lead	4.07	9.8	J	14.9		125	N	80 - 120
Manganese	4.07	240	J	211		0.0	N	80 - 120
Molybdenum	4.07	0.14	J J	2.56		59	N	80 - 120
Nickel	4.07	2.7	J	5.88		77	N	80 - 120
Selenium	4.07	0.57	J	3.45		71	N	80 - 120
Silver	4.07	0.033	J	3.36		82		80 - 120
Thallium	4.07	0.12		3.88		92		80 - 120
Vanadium	4.07	19	J	22.3		71	N	80 - 120
Zinc	4.07	20	J	22.2		57	N	80 - 120

Form 5A MS Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MSD Lab Sample ID:**	D7F270299-007D
Matrix:	SOLID	**MSD Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 02:11
MSD Sample Aliquot:	0.99 g	**Instrument ID:**	004
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Antimony	4.07	0.064	U J	0.193		4.5	N	9.8		80 - 120	20
Arsenic	4.07	2.3	J	5.86		86		11		80 - 120	20
Barium	4.07	64	J	74.0		233	N	0.0		80 - 120	20
Beryllium	4.07	0.26		4.01		92		5.4		80 - 120	20
Cadmium	4.07	0.046	J	3.78		92		0.20		80 - 120	20
Chromium	4.07	5.6		10.1		112		13		80 - 120	20
Cobalt	4.07	3.1	J	6.66		86		7.2		80 - 120	20
Copper	4.07	4.8	J	8.63		93		8.2		80 - 120	20
Lead	4.07	9.8	J	16.1		155	N	7.9		80 - 120	20
Manganese	4.07	240	J	249		147	N	0.0		80 - 120	20
Molybdenum	4.07	0.14	J J	2.54		59	N	0.77		80 - 120	20
Nickel	4.07	2.7	J	6.32		88		7.2		80 - 120	20
Selenium	4.07	0.57	J	3.49		72	N	1.3		80 - 120	20
Silver	4.07	0.033	J	3.43		83		2.2		80 - 120	20
Thallium	4.07	0.12		4.02		96		3.4		80 - 120	20
Vanadium	4.07	19	J	27.4		197	N	21	*	80 - 120	20
Zinc	4.07	20	J	26.3		157	N	17		80 - 120	20

Form 5A MSD Analysis Data Sheet Equivalent

STL DENVER

Total Metals Analysis
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

BFB-C-SS-03-03 PDS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Antimony	75 - 125	189.217		0.630	U	200.00	94.6		M
Arsenic	75 - 125	190.234		23.041		200.00	83.6		M
Barium	75 - 125	801.824		632.997		200.00	84.4		M
Beryllium	75 - 125	184.304		2.564		200.00	90.9		M
Cadmium	75 - 125	183.879		0.451	B	200.00	91.7		M
Chromium	75 - 125	227.125		54.522		200.00	86.3		M
Cobalt	75 - 125	197.327		30.894		200.00	83.2		M
Copper	75 - 125	210.119		47.457		200.00	81.3		M
Lead	75 - 125	276.804		95.994		200.00	90.4		M
Manganese	75 - 125	2510.679		2388.625		200.00	61.0	N	M
Molybdenum	75 - 125	192.421		1.361	B	200.00	95.5		M
Nickel	75 - 125	193.054		26.906		200.00	83.1		M
Selenium	75 - 125	168.843		5.640		200.00	81.6		M
Silver	75 - 125	181.948		0.322	B	200.00	90.8		M
Thallium	75 - 125	186.655		1.192		200.00	92.7		M
Vanadium	75 - 125	361.902		190.285		200.00	85.8		M
Zinc	75 - 125	351.033		195.686		200.00	77.7		M

Comments:

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F300000-046C
Matrix:	SOLID	**Lab WorkOrder:**	J15V8
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	6020	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/06/07 07:00
QC Batch ID:	7181046	**Date/Time Analyzed:**	07/17/07 01:15
Sample Aliquot:	1 g	**Instrument ID:**	004
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Antimony	4.00	3.55	89		80 - 120
Arsenic	4.00	3.63	91		80 - 120
Lead	4.00	3.93	98		80 - 120
Manganese	4.00	3.96	99		80 - 120
Molybdenum	4.00	3.59	90		80 - 120
Barium	4.00	3.73	93		80 - 120
Nickel	4.00	3.82	95		80 - 120
Beryllium	4.00	3.71	93		80 - 120
Selenium	4.00	3.60	90		80 - 120
Silver	4.00	3.64	91		80 - 120
Thallium	4.00	3.65	91		80 - 120
Vanadium	4.00	3.87	97		80 - 120
Zinc	4.00	4.34	108		80 - 120
Chromium	4.00	3.98	99		80 - 120
Cadmium	4.00	3.60	90		80 - 120
Cobalt	4.00	3.80	95		80 - 120
Copper	4.00	4.46	112		80 - 120

Form 7 LCS Analysis Data Sheet Equivalent

STL DENVER

Total Metals Analysis

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ICP SERIAL DILUTIONS

SAMPLE NO.

BFB-C-SS-03-03 SER

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Antimony	0.630	U	3.150	U			M
Arsenic	23.041		26.124	B	13.4	E	M
Barium	632.997		638.619		0.9		M
Beryllium	2.564		2.115	B	17.5		M
Cadmium	0.451	B	0.474	B	5.1		M
Chromium	54.522		62.901		15.4		M
Cobalt	30.894		35.286		14.2	E	M
Copper	47.457		54.831		15.5		M
Lead	95.994		98.052		2.1		M
Manganese	2388.625		2554.319		6.9		M
Molybdenum	1.361	B	1.136	B	16.5		M
Nickel	26.906		30.367		12.9		M
Selenium	5.640		7.480	B	32.6		M
Silver	0.322	B	0.800	U	100.0		M
Thallium	1.192		1.186	B	0.5		M
Vanadium	190.285		209.713		10.2		M
Zinc	195.686		221.029		13.0		M

Comments:

STL DENVER

Total Metals Analysis

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DETECTION LIMITS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: PE ICPMS Date: 5/7/2007

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Isotope	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Antimony	121		2.500	0.6300	M
Arsenic	75		6.000	0.1500	M
Barium	135		2.800	0.5200	M
Beryllium	9		1.000	0.2000	M
Cadmium	111		1.000	0.0610	M
Chromium	52		7.000	0.6000	M
Cobalt	59		1.000	0.0250	M
Copper	65		3.200	0.8100	M
Lead	208		4.000	0.5000	M
Manganese	55		10.000	0.8300	M
Molybdenum	97		2.000	0.1600	M
Nickel	60		3.500	0.4000	M
Selenium	82		5.000	0.8000	M
Silver	107		1.000	0.1600	M
Thallium	205		1.000	0.0300	M
Vanadium	51		5.000	0.3000	M
Zinc	68		25.000	2.5000	M

Comments:

STL DENVER

Total Metals Analysis
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ICP LINEAR RANGES (QUARTERLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: PE ICPMS Date: 4/12/2007

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Antimony	0.001	3600	M
Arsenic	0.001	3600	M
Barium	0.001	3600	M
Beryllium	0.001	3600	M
Cadmium	0.001	3600	M
Chromium	0.001	3600	M
Cobalt	0.001	3600	M
Copper	0.001	3600	M
Lead	0.001	3600	M
Manganese	0.001	20000	M
Molybdenum	0.001	3600	M
Nickel	0.001	3600	M
Selenium	0.001	3600	M
Silver	0.001	3600	M
Thallium	0.001	3600	M
Vanadium	0.001	3600	M
Zinc	0.001	3600	M

Comments: _____

STL DENVER

Total Metals Analysis
-12-
ICP LINEAR RANGES (QUARTERLY)

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

ICP ID Number: PE ICPMS Date: 7/20/2007

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Antimony	0.001	3600	M
Arsenic	0.001	3600	M
Barium	0.001	3600	M
Beryllium	0.001	3600	M
Cadmium	0.001	3600	M
Chromium	0.001	3600	M
Cobalt	0.001	3600	M
Copper	0.001	3600	M
Lead	0.001	3600	M
Manganese	0.001	20000	M
Molybdenum	0.001	3600	M
Nickel	0.001	3600	M
Selenium	0.001	3600	M
Silver	0.001	1800	M
Thallium	0.001	3600	M
Uranium	0.001	3600	M
Vanadium	0.001	3600	M
Zinc	0.001	3600	M

Comments: _____

STL DENVER

Total Metals Analysis

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PREPARATION LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Method: MS Prep Method: _____

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
BFB-A-SS-03-06	7/6/2007	1.00	100.0
BFB-A-SS-03-07	7/6/2007	1.00	100.0
BFB-A-SS-03-05	7/6/2007	1.00	100.0
BFB-B-SS-03-02	7/6/2007	1.00	100.0
BFB-B-SS-03-08	7/6/2007	1.00	100.0
BFB-C-SS-03-12	7/6/2007	1.00	100.0
BFB-C-SS-03-03	7/6/2007	1.00	100.0
BFB-C-SS-03-03 MS	7/6/2007	1.00	100.0
BFB-C-SS-03-03 MSD	7/6/2007	1.00	100.0
BFB-C-SS-03-10	7/6/2007	1.00	100.0
BFB-C-SS-03-01	7/6/2007	1.00	100.0
BFB-C-SS-03-09	7/6/2007	1.00	100.0
BFB-A-SS-03-04	7/6/2007	1.00	100.0
MB7181046	7/6/2007	1.00	100.0
Check Sample	7/6/2007	1.00	100.0

Comments:

STL DENVER

Total Metals Analysis

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ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: PE ICPMS Method: M

Start Date: 7/16/2007 End Date: 7/17/2007

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
Blank	1.00	10:54			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
Standard 1	1.00	10:58			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICV	1.00	11:02			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICB	1.00	11:05			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
RLSTD	1.00	11:09			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICSA	1.00	11:16			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICSAB	1.00	11:20			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
RINSE	1.00	11:24			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
HIGH CHECK	1.00	11:30			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
RINSE	1.00	11:34			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	11:38			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	11:42			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
Blank	1.00	22:34			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
Standard 1	1.00	22:38			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	22:42			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	22:47			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	23:09			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	23:13			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICSA	1.00	23:19			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICSAB	1.00	23:23			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
RINSE	1.00	23:26			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	23:30			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	23:34			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	01:04			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	01:08			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
MB7181046	1.00	01:11			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
Check Sample	1.00	01:15			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-A-SS-03-06	1.00	01:19			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-A-SS-03-07	1.00	01:23			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-A-SS-03-05	1.00	01:26			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	01:30			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	01:34			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-B-SS-03-02	1.00	01:38			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL DENVER

Total Metals Analysis
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ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: PE ICPMS Method: M

Start Date: 7/16/2007 End Date: 7/17/2007

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
BFB-B-SS-03-08	1.00	01:41			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-12	1.00	01:45			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-03	1.00	01:49			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-03 SER	5.00	01:53			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	01:56			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	02:00			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-03 PDS	1.00	02:04			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-03 MS	1.00	02:07			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-03 MSD	1.00	02:11			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-10	1.00	02:15			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-01	1.00	02:19			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-C-SS-03-09	1.00	02:22			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
BFB-A-SS-03-04	1.00	02:26			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	02:30			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	02:34			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
Blank	1.00	10:23			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
Standard 1	1.00	10:27			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	10:31			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	10:35			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICSA	1.00	10:39			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
ICSAB	1.00	10:42			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
RINSE	1.00	10:46			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCV	1.00	10:50			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*
CCB	1.00	10:54			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X		*

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL DENVER

Total Metals Analysis

-14-

ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: PE ICPMS Method: M

Start Date: 7/16/2007 End Date: 7/17/2007

Sample ID.	D/F	Time	% R	Analytes																							
				B	AU	LI	MO	OS	PD	P	PT	SI	S	SN	SR	TI	U	W	IN	TH	ZR						
Blank	1.00	10:54					X																				
Standard 1	1.00	10:58					X																				
ICV	1.00	11:02					X																				
ICB	1.00	11:05					X																				
RLSTD	1.00	11:09					X																				
ICSA	1.00	11:16					X																				
ICSAB	1.00	11:20					X																				
RINSE	1.00	11:24					X																				
HIGH CHECK	1.00	11:30					X																				
RINSE	1.00	11:34					X																				
CCV	1.00	11:38					X																				
CCB	1.00	11:42					X																				
Blank	1.00	22:34					X																				
Standard 1	1.00	22:38					X																				
CCV	1.00	22:42					X																				
CCB	1.00	22:47					X																				
CCV	1.00	23:09					X																				
CCB	1.00	23:13					X																				
ICSA	1.00	23:19					X																				
ICSAB	1.00	23:23					X																				
RINSE	1.00	23:26					X																				
CCV	1.00	23:30					X																				
CCB	1.00	23:34					X																				
CCV	1.00	01:04					X																				
CCB	1.00	01:08					X																				
MB7181046	1.00	01:11					X																				
Check Sample	1.00	01:15					X																				
BFB-A-SS-03-06	1.00	01:19					X																				
BFB-A-SS-03-07	1.00	01:23					X																				
BFB-A-SS-03-05	1.00	01:26					X																				
CCV	1.00	01:30					X																				
CCB	1.00	01:34					X																				
BFB-B-SS-03-02	1.00	01:38					X																				
BFB-B-SS-03-08	1.00	01:41					X																				

STL DENVER

Total Metals Analysis

-14-

ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: PE ICPMS Method: M

Start Date: 7/16/2007 End Date: 7/17/2007

Sample ID.	D/F	Time	% R	Analytes																							
				B	AU	LI	MO	OS	PD	P	PT	SI	S	SN	SR	TI	U	W	IN	TH	ZR						
BFB-C-SS-03-12	1.00	01:45					X																				
BFB-C-SS-03-03	1.00	01:49					X																				
BFB-C-SS-03-03 SER	5.00	01:53					X																				
CCV	1.00	01:56					X																				
CCB	1.00	02:00					X																				
BFB-C-SS-03-03 PDS	1.00	02:04					X																				
BFB-C-SS-03-03 MS	1.00	02:07					X																				
BFB-C-SS-03-03 MSD	1.00	02:11					X																				
BFB-C-SS-03-10	1.00	02:15					X																				
BFB-C-SS-03-01	1.00	02:19					X																				
BFB-C-SS-03-09	1.00	02:22					X																				
BFB-A-SS-03-04	1.00	02:26					X																				
CCV	1.00	02:30					X																				
CCB	1.00	02:34					X																				
Blank	1.00	10:23					X																				
Standard 1	1.00	10:27					X																				
CCV	1.00	10:31					X																				
CCB	1.00	10:35					X																				
ICSA	1.00	10:39					X																				
ICSAB	1.00	10:42					X																				
RINSE	1.00	10:46					X																				
CCV	1.00	10:50					X																				
CCB	1.00	10:54					X																				

STL DENVER

Total Metals Analysis

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: Parsons Corporation

SDG No.: D7F270299

Lab Code: STLDEN

Case No.:

SAS No.:

SOW No.:

Sample ID.	Lab Sample No.
BFB-A-SS-03-04	D7F270299-011
BFB-A-SS-03-05	D7F270299-003
BFB-A-SS-03-06	D7F270299-001
BFB-A-SS-03-07	D7F270299-002
BFB-B-SS-03-02	D7F270299-004
BFB-B-SS-03-08	D7F270299-005
BFB-C-SS-03-01	D7F270299-009
BFB-C-SS-03-03	D7F270299-007
BFB-C-SS-03-03 MS	D7F270299-007S
BFB-C-SS-03-03 MSD	D7F270299-007SD
BFB-C-SS-03-09	D7F270299-010
BFB-C-SS-03-10	D7F270299-008
BFB-C-SS-03-12	D7F270299-006

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: 7471A

I 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. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Janice Collins

Name: Janice Collins

Date: 7/20/07

Title: Metals Analyst

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-06
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-001
Matrix:	SOLID	**Lab WorkOrder:**	J1XHL
% Moisture:	1.5	**Date/Time Collected:**	06/25/07 10:38
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:06
Sample Aliquot:	0.31 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.032**	0.0028	0.033	J

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-07
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-002
Matrix:	SOLID	**Lab WorkOrder:**	J1XHR
% Moisture:	1.9	**Date/Time Collected:**	06/25/07 11:06
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:08
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.034**	0.0029	0.034	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation
Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-05
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-003
Matrix:	SOLID	**Lab WorkOrder:**	J1XHT
% Moisture:	1.4	**Date/Time Collected:**	06/25/07 11:47
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:09
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.045**	0.0028	0.033	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-02
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-004
Matrix:	SOLID	**Lab WorkOrder:**	J1XHV
% Moisture:	1.3	**Date/Time Collected:**	06/25/07 12:46
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:11
Sample Aliquot:	0.31 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.033**	0.0028	0.033	

STL

Parsons Corporation
Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-B-SS-03-08
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-005
Matrix:	SOLID	**Lab WorkOrder:**	J1XHX
% Moisture:	0.92	**Date/Time Collected:**	06/25/07 13:28
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:13
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.040**	0.0028	0.033	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-12
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-006
Matrix:	SOLID	**Lab WorkOrder:**	J1XH0
% Moisture:	0.98	**Date/Time Collected:**	06/26/07 08:05
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:15
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.019**	0.0028	0.033	J

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-007
Matrix:	SOLID	**Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:16
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.0099**	0.0028	0.033	J

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-10
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-008
Matrix:	SOLID	**Lab WorkOrder:**	J1XH4
% Moisture:	1.0	**Date/Time Collected:**	06/26/07 09:16
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:26
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.041**	0.0028	0.033	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-01
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-009
Matrix:	SOLID	**Lab WorkOrder:**	J1XH6
% Moisture:	4.0	**Date/Time Collected:**	06/26/07 10:49
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:28
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.071**	0.0029	0.034	

STL

Parsons Corporation
Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-09
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-010
Matrix:	SOLID	**Lab WorkOrder:**	J1XH8
% Moisture:	0.85	**Date/Time Collected:**	06/26/07 11:17
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:30
Sample Aliquot:	0.29 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.033**	0.0028	0.033	

Form 1 Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-A-SS-03-04
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7F270299-011
Matrix:	SOLID	**Lab WorkOrder:**	J1XH9
% Moisture:	0.75	**Date/Time Collected:**	06/26/07 12:59
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:31
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.024**	0.0028	0.033	J

Form 1 Analysis Data Sheet Equivalent

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Ultra Scientific

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	7.000	7.273	103.9	5.000	4.761	95.2	4.724	94.5	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Ultra Scientific

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.000	5.049	101.0	5.023	100.5	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

STL DENVER

Total Metals Analysis
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG No.: D7F270299

AA CRDL Standard Source: Ultra Scientific

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.200	0.19154	95.8					

Comments:

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7G050000-508B
Matrix:	SOLID	**Lab WorkOrder:**	J2DT6
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 18:59
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.0042**	0.0028	0.033	J

STL DENVER

Total Metals Analysis

-3-

BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.024	B	0.022	B	0.025	B	0.023	B	0.0042	B	CV

Comments:

STL DENVER

Total Metals Analysis

-3-

BLANKS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.028	B							CV

Comments:

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MS Lab Sample ID:**	D7F270299-007S
Matrix:	SOLID	**MS Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:18
MS Sample Aliquot:	0.3 g	**Instrument ID:**	019
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Mercury	0.840	0.0099	J	0.839		99		80 - 120

Form 5A MS Analysis Data Sheet Equivalent

STL

Parsons Corporation

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	BFB-C-SS-03-03
Lot/SDG Number:	D7F270299	**MSD Lab Sample ID:**	D7F270299-007D
Matrix:	SOLID	**MSD Lab WorkOrder:**	J1XH1
% Moisture:	0.80	**Date/Time Collected:**	06/26/07 08:26
Basis:	Dry	**Date/Time Received:**	06/27/07 08:30
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:19
MSD Sample Aliquot:	0.3 g	**Instrument ID:**	019
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Mercury	0.840	0.0099	J	0.838		99		0.16		80 - 120	20

Form 5A MSD Analysis Data Sheet Equivalent

STL

Parsons Corporation
Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D7F270299	**Lab Sample ID:**	D7G050000-508C
Matrix:	SOLID	**Lab WorkOrder:**	J2DT6
% Moisture:	0.0	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	7471A	**Date Leached:**	
Unit:	mg/kg	**Date/Time Extracted:**	07/09/07 12:15
QC Batch ID:	7186508	**Date/Time Analyzed:**	07/09/07 19:01
Sample Aliquot:	0.3 g	**Instrument ID:**	019
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Mercury	0.833	0.810	97		80 - 120

Form 7 LCS Analysis Data Sheet Equivalent

STL DENVER

Total Metals Analysis

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

BFB-C-SS-03-03 SER

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: _____ SAS No.: _____ SDG NO.: D7F270299

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.059	B	0.171	B	189.8		CV

Comments:

STL DENVER

Total Metals Analysis

-10-

DETECTION LIMITS

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

ICP ID Number: Date: 11/2/2006

Flame AA ID Number: PE CVAA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Mercury	253.70		0.20	0.017	CV

Comments:

STL DENVER

Total Metals Analysis

-13-

PREPARATION LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG NO.: D7F270299

Method: CV Prep Method:

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
BFB-A-SS-03-06	7/9/2007	0.30	50.0
BFB-A-SS-03-07	7/9/2007	0.30	50.0
BFB-A-SS-03-05	7/9/2007	0.30	50.0
BFB-B-SS-03-02	7/9/2007	0.30	50.0
BFB-B-SS-03-08	7/9/2007	0.30	50.0
BFB-C-SS-03-12	7/9/2007	0.30	50.0
BFB-C-SS-03-03	7/9/2007	0.30	50.0
BFB-C-SS-03-03 MS	7/9/2007	0.30	50.0
BFB-C-SS-03-03 MSD	7/9/2007	0.30	50.0
BFB-C-SS-03-10	7/9/2007	0.30	50.0
BFB-C-SS-03-01	7/9/2007	0.30	50.0
BFB-C-SS-03-09	7/9/2007	0.30	50.0
BFB-A-SS-03-04	7/9/2007	0.30	50.0
MB7186508	7/9/2007	0.30	50.0
Check Sample	7/9/2007	0.30	50.0

Comments:

STL DENVER

Total Metals Analysis

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ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: PE CVAA Method: CV

Start Date: 7/9/2007 End Date: 7/9/2007

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Calib Blank	1.00	18:24																X									
STD1	1.00	18:25																X									
STD2	1.00	18:27																X									
STD3	1.00	18:29																X									
STD4	1.00	18:31																X									
STD5	1.00	18:32																X									
STD6	1.00	18:34																X									
ICB	1.00	18:37																X									
ICV	1.00	18:39																X									
RL	1.00	18:41																X									
CCV	1.00	18:42																X									
CCB	1.00	18:44																X									
MB7186508	1.00	18:59																X									
Check Sample	1.00	19:01																X									
CCV	1.00	19:03																X									
CCB	1.00	19:04																X									
BFB-A-SS-03-06	1.00	19:06																X									
BFB-A-SS-03-07	1.00	19:08																X									
BFB-A-SS-03-05	1.00	19:09																X									
BFB-B-SS-03-02	1.00	19:11																X									
BFB-B-SS-03-08	1.00	19:13																X									
BFB-C-SS-03-12	1.00	19:15																X									
BFB-C-SS-03-03	1.00	19:16																X									
BFB-C-SS-03-03 MS	1.00	19:18																X									
BFB-C-SS-03-03 MSD	1.00	19:19																X									
BFB-C-SS-03-03 SER	5.00	19:21																X									
CCV	1.00	19:23																X									
CCB	1.00	19:25																X									
BFB-C-SS-03-10	1.00	19:26																X									
BFB-C-SS-03-01	1.00	19:28																X									
BFB-C-SS-03-09	1.00	19:30																X									
BFB-A-SS-03-04	1.00	19:31																X									
CCV	1.00	19:43																X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL DENVER

Total Metals Analysis

-14-

ANALYSIS RUN LOG

Contract: Parsons Corporation

Lab Code: STLDEN Case No.: SAS No.: SDG No.: D7F270299

Instrument ID Number: PE CVAA Method: CV

Start Date: 7/9/2007 End Date: 7/9/2007

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	19:45																X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL

General Chemistry

Standard LIMS Report

Lot ID: D7F270299

Client: Parsons

Method: 160.3 MOD

Associated Samples: 001 – 011

Parsons Corporation

Client Sample ID: BFB-A-SS-03-06

General Chemistry

Lot-Sample #...: D7F270299-001 **Work Order #...:** J1XHL **Matrix.....:** SOLID
Date Sampled...: 06/25/07 10:38 **Date Received..:** 06/27/07
% Moisture.....: 1.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**1.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-A-SS-03-07

General Chemistry

Lot-Sample #...: D7F270299-002 **Work Order #...:** J1XHR **Matrix.....:** SOLID
Date Sampled...: 06/25/07 11:06 **Date Received..:** 06/27/07
% Moisture.....: 1.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**1.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-A-SS-03-05

General Chemistry

Lot-Sample #...: D7F270299-003 **Work Order #...:** J1XHT **Matrix.....:** SOLID
Date Sampled...: 06/25/07 11:47 **Date Received..:** 06/27/07
% Moisture.....: 1.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**1.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-B-SS-03-02

General Chemistry

Lot-Sample #...: D7F270299-004 **Work Order #...:** J1XHV **Matrix.....:** SOLID
Date Sampled...: 06/25/07 12:46 **Date Received..:** 06/27/07
% Moisture.....: 1.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**1.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-B-SS-03-08

General Chemistry

Lot-Sample #...: D7F270299-005 **Work Order #...:** J1XHX **Matrix.....:** SOLID
Date Sampled...: 06/25/07 13:28 **Date Received..:** 06/27/07
% Moisture.....: 0.92

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**0.92**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-C-SS-03-12

General Chemistry

Lot-Sample #...: D7F270299-006 **Work Order #...:** J1XH0 **Matrix.....:** SOLID
Date Sampled...: 06/26/07 08:05 **Date Received..:** 06/27/07
% Moisture.....: 0.98

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**0.98**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-C-SS-03-03

General Chemistry

Lot-Sample #...: D7F270299-007 **Work Order #...:** J1XH1 **Matrix.....:** SOLID
Date Sampled...: 06/26/07 08:26 **Date Received..:** 06/27/07
% Moisture.....: 0.80

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**0.80**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-C-SS-03-10

General Chemistry

Lot-Sample #...: D7F270299-008 **Work Order #...:** J1XH4 **Matrix.....:** SOLID
Date Sampled...: 06/26/07 09:16 **Date Received..:** 06/27/07
% Moisture.....: 1.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**1.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-C-SS-03-01

General Chemistry

Lot-Sample #...: D7F270299-009 **Work Order #...:** J1XH6 **Matrix.....:** SOLID
Date Sampled...: 06/26/07 10:49 **Date Received..:** 06/27/07
% Moisture.....: 4.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-C-SS-03-09

General Chemistry

Lot-Sample #...: D7F270299-010 **Work Order #...:** J1XH8 **Matrix.....:** SOLID
Date Sampled...: 06/26/07 11:17 **Date Received..:** 06/27/07
% Moisture.....: 0.85

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**0.85**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

Parsons Corporation

Client Sample ID: BFB-A-SS-03-04

General Chemistry

Lot-Sample #...: D7F270299-011 **Work Order #...:** J1XH9 **Matrix.....:** SOLID
Date Sampled...: 06/26/07 12:59 **Date Received..:** 06/27/07
% Moisture.....: 0.75

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**0.75**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/07/07**	**7188137**

Dilution Factor: 1 Analysis Time..: 16:00 MDL.....: 0.0

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7F270299 **Work Order #...:** J1RTW-SMP **Matrix.....:** SOLID
J1RTW-DUP
Date Sampled...: 06/23/07 15:38 **Date Received..:** 06/26/07
% Moisture.....: 24

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D7F260172-021	
	24	24	%	2.1	(0-20)	MCAWW 160.3 MOD	07/07/07	7188137

Dilution Factor: 1 Analysis Time..: 16:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

STL Denver

Sample Receiving Checklist

Lot #: D7F270299 Date/Time Received: 6/27/07 0830

Company Name & Sampling Site: Parsons FUDS

PM to Complete This Section: *Yes* *No*
Residual chlorine check required: ☐ ☒ Quarantined : *Yes* ☐ *No* ☒

Quote #: 63970

Special Instructions: Segregate explosives

SW-744653 8321 A Explosives (segregate)
TAL Metals + Mo, Sr, Ti
* Log sample BFB-C-SS-03-03 for MS/MSD

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 0.6°

N/A	Yes	No		Initials
☐	☒	☐	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	☒	☐	2. Chain of custody present? If no, document on CUR.	
	☐	☒	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	☐	☒	4. Multiphasic samples obvious? If yes, document on CUR.	
	☒	☐	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
☒	☐	☐	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	☒	☐	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☒	☐	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
☒	☐	☐	9. Were VOA samples without headspace? If no, document on CUR.	
☒	☐	☐	10. Were VOA vials preserved? Preservative ☐HCl ☐4±2°C ☐Sodium Thiosulfate ☐ Ascorbic Acid	
	☐	☒	11. Did samples require preservation with sodium thiosulfate?	
☒	☐	☐	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
☒	☐	☐	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
☐	☒	☐	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	☐	☒	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	☐	☒	16. Are analyses with short holding times requested?	
	☐	☒	17. Was a quick Turn Around (TAT) requested?	

STL Denver

Sample Receiving Checklist

Lot # D7F270299

Login Checks:

Initials MB

N/A	Yes	No		
	☑	☐	18.	Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.
☐	☑	☐	19.	Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
	☑	☐	20.	Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
☐	☑	☐	21.	Were special log in instructions read and followed?
☑	☐	☐	22.	Were AFCEE metals logged for refrigerated storage?
	☑	☐	23.	Were tests logged checked against the COC? Which samples were confirmed? 1
☑	☐	☐	24.	Was a Rush form completed for quick TAT?
☑	☐	☐	25.	Was a Short Hold form completed for any short holds?
	☑	☐	26.	Were special archiving instructions indicated in the General Comments? If so, what were they?

60 days

Labeling and Storage Checks:

Initials [illegible]

☑	☐	☐	28.	Was the subcontract COC signed and sent with samples to bottle prep?
	☑	☐	29.	Were sample labels double-checked by a second person?
☑	☐	☐	30.	Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
	☑	☐	31.	Did the sample ID, Date, and Time from label match what was logged?
☐	☑	☐	32.	Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27
☑	☐	☐	33.	Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0501)

Client	Parsons
Address	5390 Triangle Pkwy, Ste 100
City / State / Zip Code	Norcross / GA / 30092
Project Name and Location (State)	Brown Field Bombing Range, CA
Contract/Purchase Order/Quote No.	
Project Manager	Don Silkebakken
Telephone Number (Area Code)/Fax Number	770 446 4900 / 4910
Site Contact	Erich Stedman
Lab Contact	Lyn Benkers
Carrier/Waybill Number	8613 2607 6886
Date	6/26/07
Lab Number	
Chain of Custody Number	346336
Page	1 of 1

Analysis (Attach list if more space is needed): Metals, Explosives

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Metals	Explosives	Special Instructions/Conditions of Rec
BFB-A-SS-03-06	6/25/07	1038				X	X						X	X	
BFB-A-SS-03-07	6/25/07	1106				↓	↓						↓	↓	
BFB-A-SS-03-05	6/25/07	1147				↓	↓						↓	↓	
BFB-B-SS-03-02	6/25/07	1246				↓	↓						↓	↓	
BFB-B-SS-03-08	6/25/07	1328				↓	↓						↓	↓	
BFB-C-SS-03-12	6/26/07	0805				↓	↓						↓	↓	
BFB-C-SS-03-03	6/26/07	0826				↓	↓						↓	↓	MS/MSD TC 6/27
BFB-C-SS-03-10	6/26/07	0916				↓	↓						↓	↓	
BFB-C-SS-03-01	6/26/07	1049				↓	↓						↓	↓	
BFB-C-SS-03-09	6/26/07	1117				↓	↓						↓	↓	
BFB-A-SS-03-04	6/26/07	1259				↓	↓						↓	↓	
	6/26/07														

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [ ] Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	6/26/07	1700	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

FROM-

Table of Contents

TestAmerica

Chain of Custody Record

06c
IR2
6/27/07

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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STL-4124 (0901)

Client: Parsons	Project Manager: Don Silkebakken	Date: 6/26/07	Chain of Custody Number: 346336
Address: 5390 Triangle Pkwy Ste 100	Telephone Number (Area Code)/Fax Number: 774 446 4900 / 4910	Lab Number	Page 1 of 1
City: Norcross; State: GA; Zip Code: 30092	Site Contact: Erich Stedman	Lab Contact: Lyn Benkers	
Project Name and Location (State): Brown Field Bombing Range, CA	Carrier/Waybill Number: 8613 2607 6886		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Metals	Explosives	Special Instructions/ Conditions of Receipt
BFB-A-SS-03-06	6/25/07	1038				X	X						X	X	
BFB-A-SS-03-07	6/25/07	1106				↓	↓						↓	↓	
BFB-A-SS-03-05	6/25/07	1147				↓	↓						↓	↓	
BFB-B-SS-03-02	6/25/07	1246				↓	↓						↓	↓	
BFB-B-SS-03-08	6/25/07	1328				↓	↓						↓	↓	
BFB-C-SS-03-12	6/26/07	0805				↓	↓						↓	↓	
BFB-C-SS-03-03	6/26/07	0826				↓	↓						↓	↓	
BFB-C-SS-03-10	6/26/07	0916				↓	↓						↓	↓	
BFB-C-SS-03-01	6/26/07	1049				↓	↓						↓	↓	
BFB-C-SS-03-09	6/26/07	1117				↓	↓						↓	↓	
BFB-A-SS-03-04	6/26/07	1259				↓	↓						↓	↓	
	EAB 6/26/07														

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	6/26/07	1700	1. Received By	6/27/07	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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TestAmerica

LC/MS

Supporting Documentation

Sample Sequence, Chromatograms/Mass Spectra

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID: D7F270299

Client: Parsons

Method: 8321A Explosives

Associated Samples: 1-11

Batch #(s): 7183436

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: Sme 7-10-07

LC/MS SEMIVOLATILE ORGANIC EXTRACTION LOG SHEETS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 7/03/07
Time: 23:40

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGro
_ Bench Sheet Copied per COC

Extractionist: 007795 Koley Hall

Concentrationist: 007183 Michael T. Dedio

****
* QC BATCH: 7183436 *
****

PREP DATE: 7/02/07 15:15
COMP DATE: 7/04/07 15

Reviewer/Date: HALLKA / 7/02/07

8321A, Explosives by LCMS
SONICATION - Medium Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
7/07/07	7/13/07	D7F270299-001 **J1XHL-1-A4**		12	BX	SOLID	**10.01g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/07/07	7/13/07	D7F270299-002 **J1XHR-1-AF**		12	BX	SOLID	**10.22g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/07/07	7/13/07	D7F270299-003 **J1XHT-1-AF**		12	BX	SOLID	**9.7g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/07/07	7/13/07	D7F270299-004 **J1XHV-1-AF**		12	BX	SOLID	**10.25g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/07/07	7/13/07	D7F270299-005 **J1XHX-1-AF**		12	BX	SOLID	**9.95g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/08/07	7/13/07	D7F270299-006 **J1XH0-1-AF**		12	BX	SOLID	**10.06g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/08/07	7/13/07	D7F270299-007 **J1XH1-1-AF**		12	BX	SOLID	**9.97g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															

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RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 7/03/07
Time: 23:40

QC BATCH: 7183436

PREP DATE: 7/02/07 15:15
COMP DATE: 7/04/07 15

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION	VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
7/08/07	7/13/07	D7F270299-007 **J1XH1-1-CQS**	M	12	BX	SOLID	**10.06g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML HPLC246 07/02/07 1ML LCMS0048 06/08/07
COMMENTS:															
7/08/07	7/13/07	D7F270299-007 **J1XH1-1-CRD**	M	12	BX	SOLID	**9.97g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML HPLC246 07/02/07 1ML LCMS0048 06/08/07
COMMENTS:															
7/08/07	7/13/07	D7F270299-008 **J1XH4-1-AF**		12	BX	SOLID	**9.99g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/08/07	7/13/07	D7F270299-009 **J1XH6-1-AF**		12	BX	SOLID	**10.06g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/08/07	7/13/07	D7F270299-010 **J1XH8-1-AF**		12	BX	SOLID	**9.89g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/08/07	7/13/07	D7F270299-011 **J1XH9-1-AF**		12	BX	SOLID	**9.93g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/07/07	0/00/00	R7G020000-436 **J177N-1-AAB**		12	BX	SOLID	**9.74g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML LCMS0048 06/08/07
COMMENTS:															
7/07/07	0/00/00	R7G020000-436 **J177N-1-ACC**		12	BX	SOLID	**10.02g** 50.00mL	NA	NA	NA	ACN	50.0		.0	1ML HPLC246 07/02/07 1ML LCMS0048 06/08/07
COMMENTS:															

DEN-LC-0010 BAL:F90716 SAND:W4382 A.ACN:920-33-24 S/S:KH-B W:DB
SONICATOR ON 7/02/07@2030 OFF 7/03/07@16:50 TEMP MAX:11 C
0.2UM FILTER:Q074 MIN:8 C

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
↕

NUMBER OF WORK ORDERS IN BATCH: 15

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LC/MS SEMIVOLATILE STANDARD DATA

TestAmerica

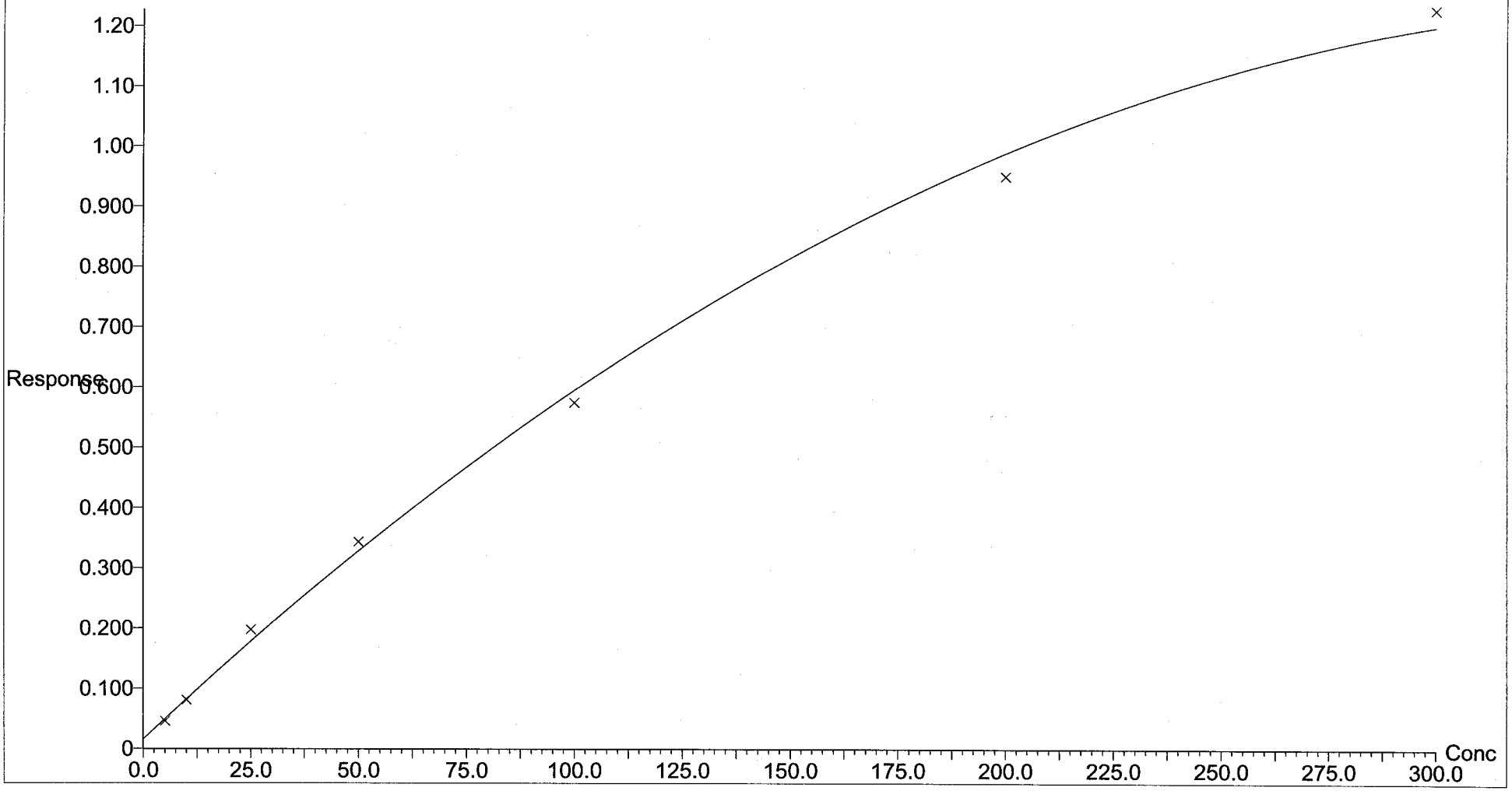
THE LEADER IN ENVIRONMENTAL TESTING

Quantify Calibration Report
Explosives Analysis

Page 1

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 1 name: HMX Method File: ex27g03L
Coefficient of Determination: 0.996990
Calibration curve: -9.22324e-6 * x^2 + 0.00670893 * x + 0.0159765
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

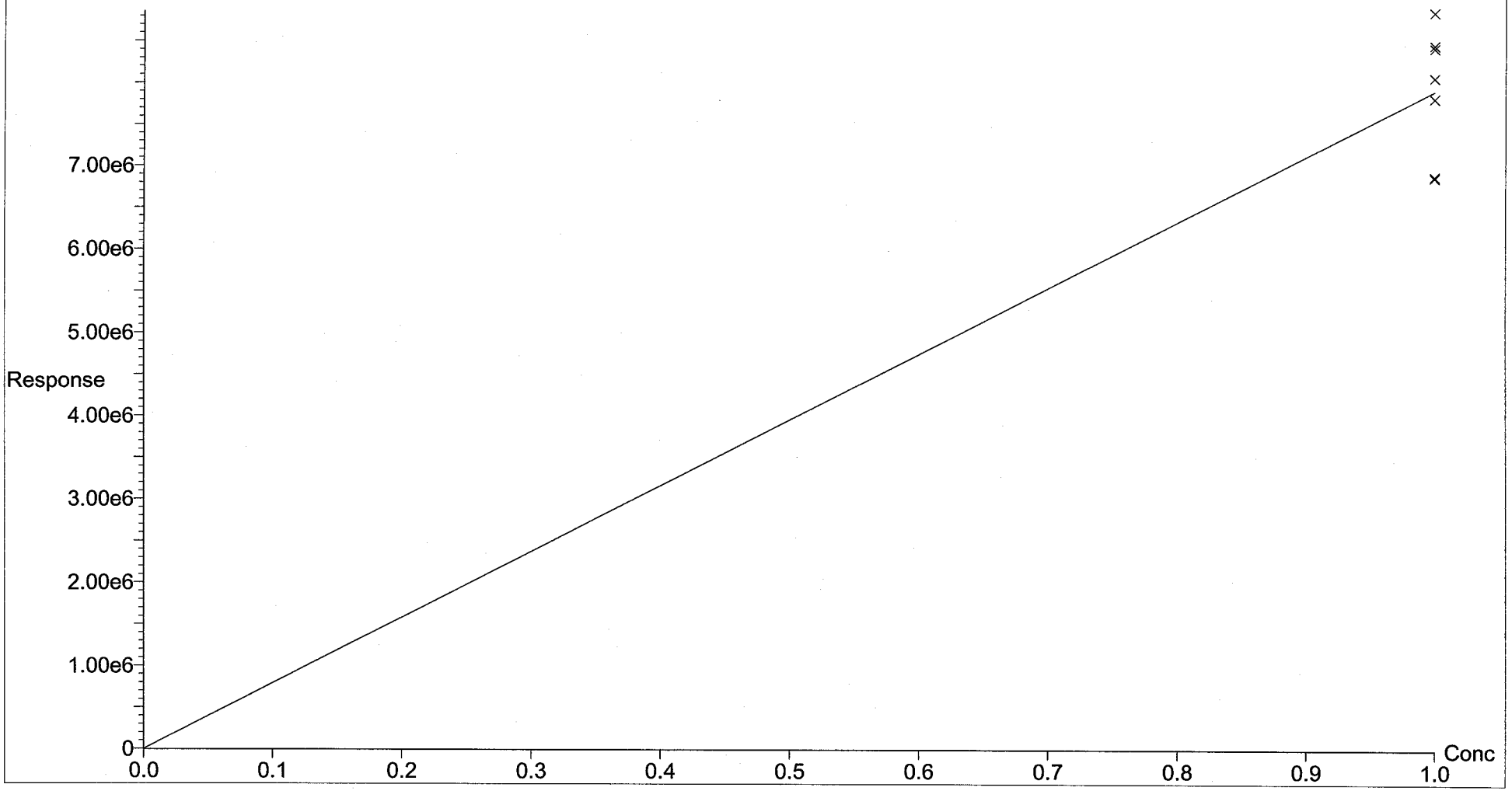


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 2 name: RDX 13C-3 284 (IS) Method File: ex27g03L
Response Factor: 7.91147e6
RRF SD: 778068, % Relative SD: 9.83468
Response type: External Std, Area
Curve type: RF

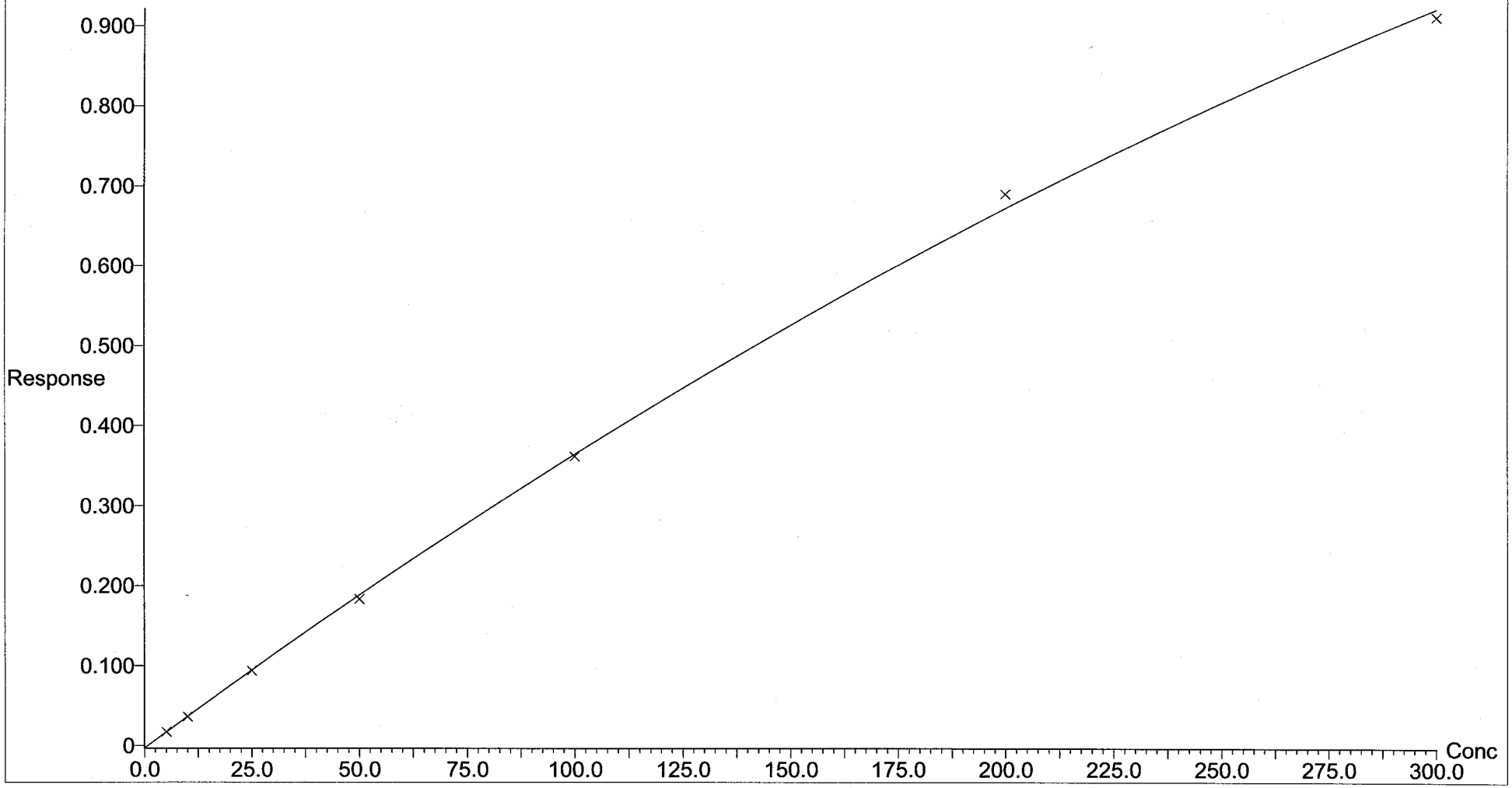


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 3 name: RDX Method File: ex27g03L
Coefficient of Determination: 0.999587
Calibration curve: -2.96419e-6 * x^2 + 0.00396992 * x + -0.00271178
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

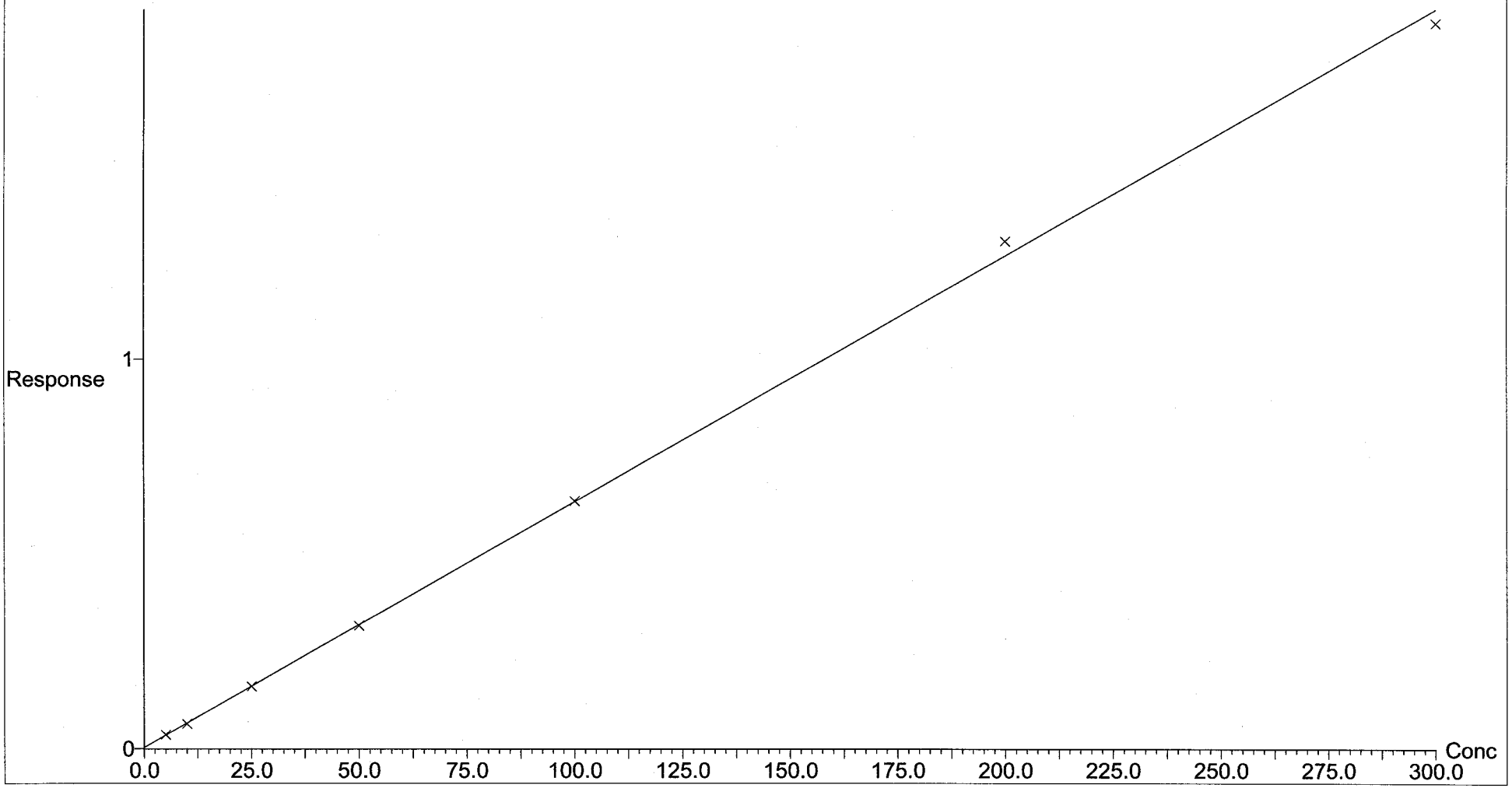


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 4 name: 1,3,5-Trinitrobenzene Method File: ex27g03L
Coefficient of Determination: 0.999468
Calibration curve: 0.00631302 * x + 0.00313994
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
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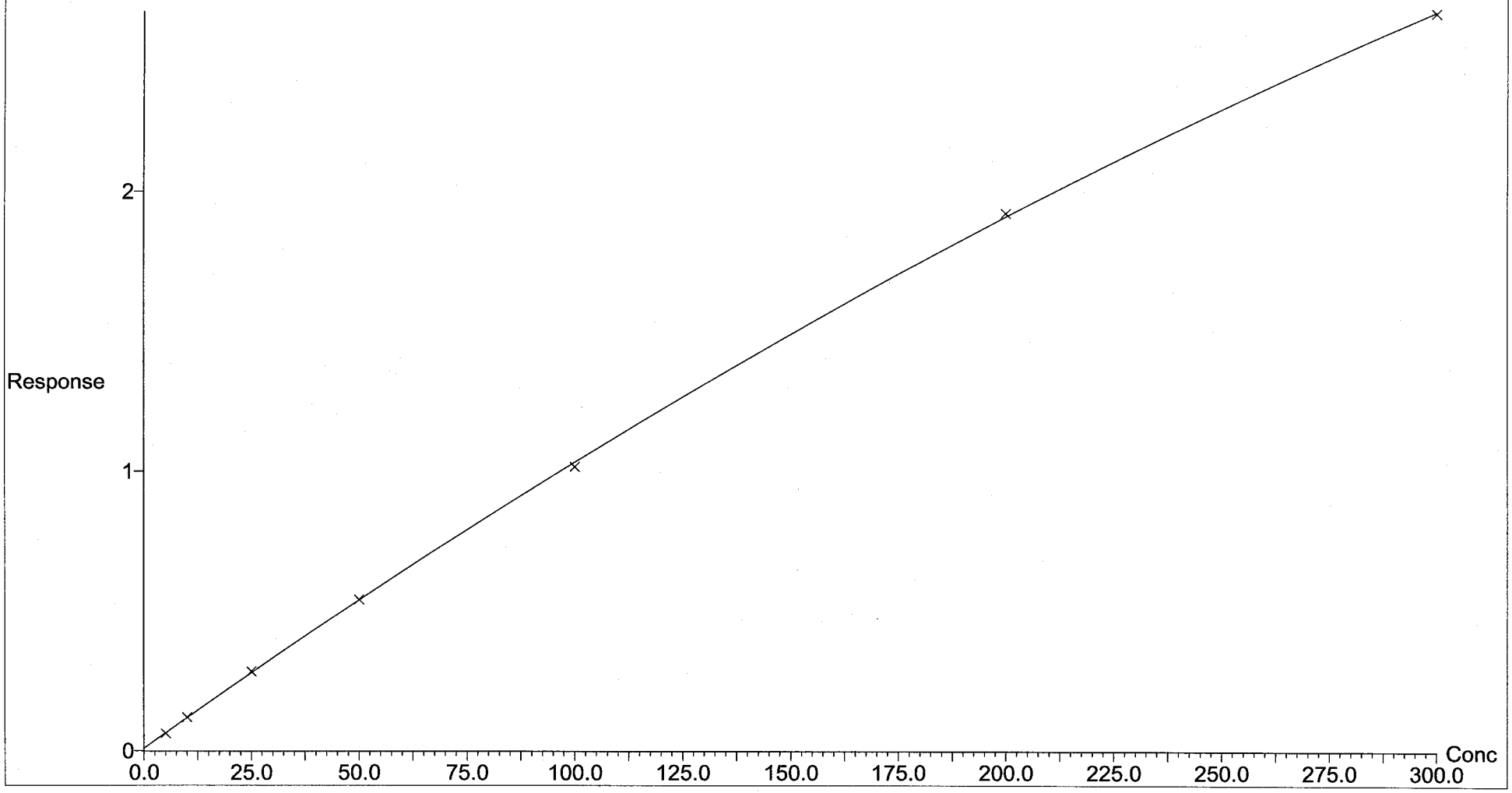
Compound 5 name: Tetryl Method File: ex27g03L
Coefficient of Determination: 0.999900
Calibration curve: -7.32586e-6 * x^2 + 0.0109799 * x + 0.00937810
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
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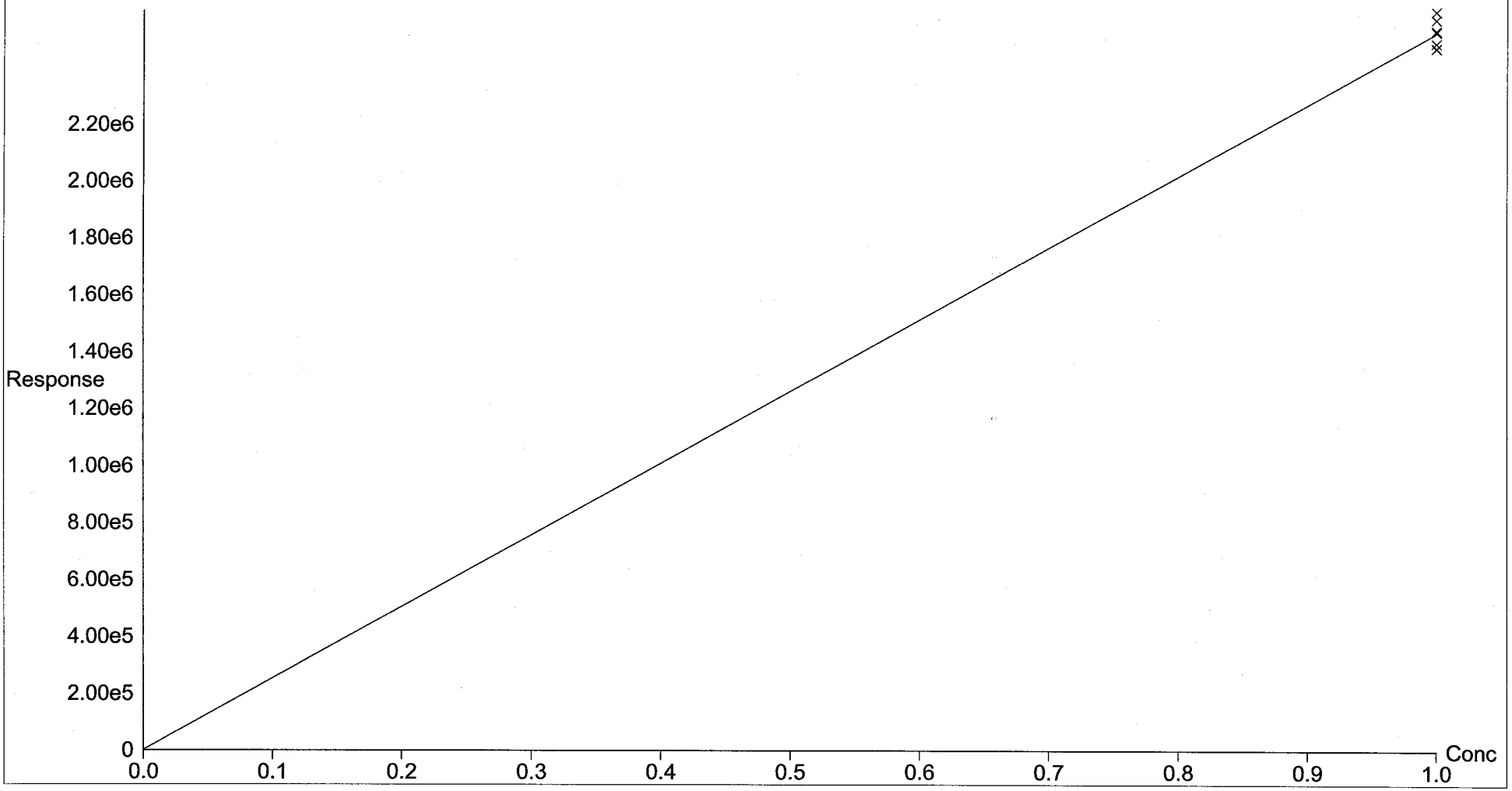
Compound 6 name: Dinitrobenzene-d4 (IS) Method File: ex27g03L
Response Factor: 2.52229e6
RRF SD: 49955.7, % Relative SD: 1.98057
Response type: External Std, Area
Curve type: RF

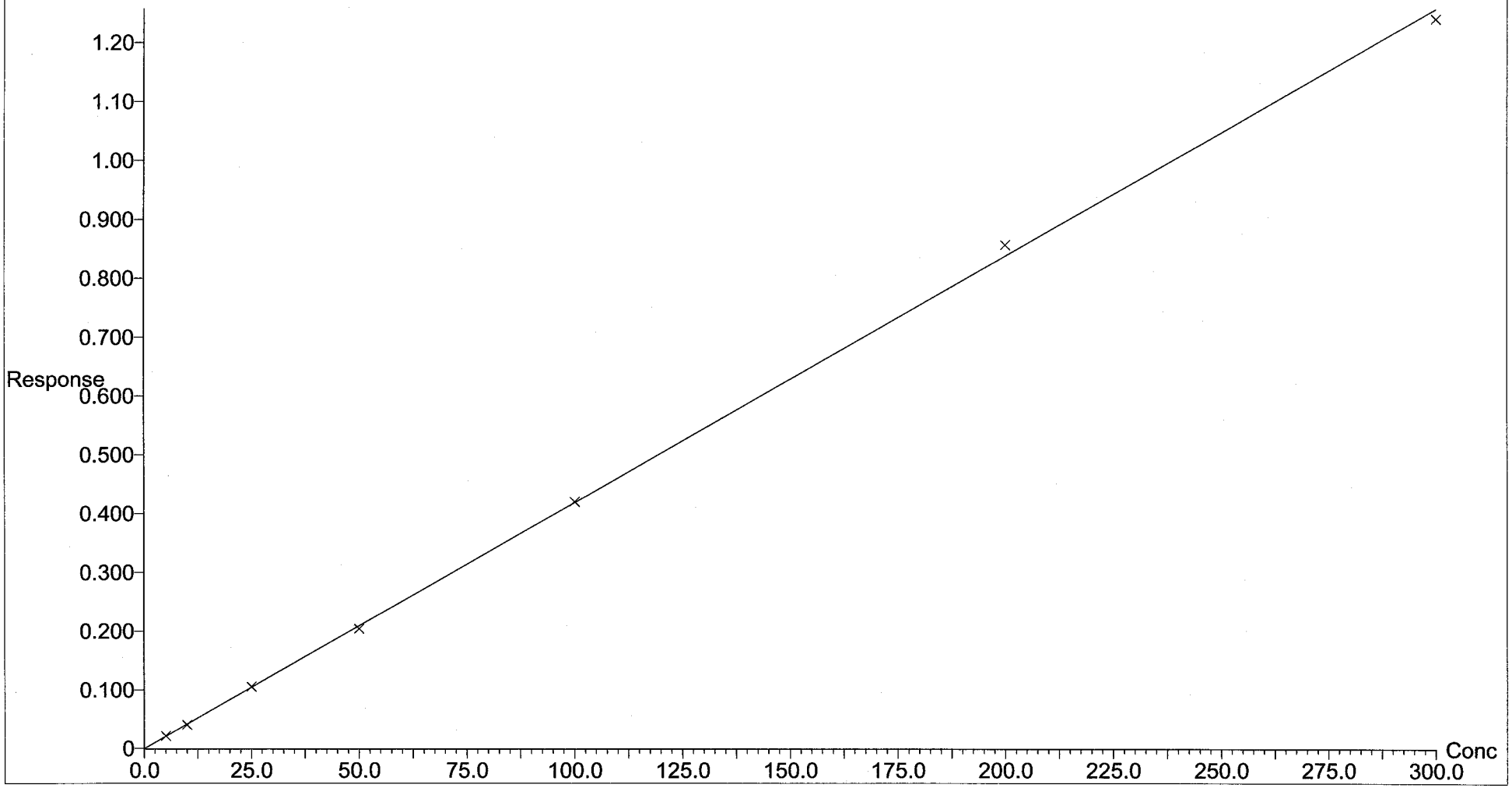


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 7 name: 1,3-Dinitrobenzene Method File: ex27g03L
Coefficient of Determination: 0.999650
Calibration curve: 0.00419343 * x + -0.000618849
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

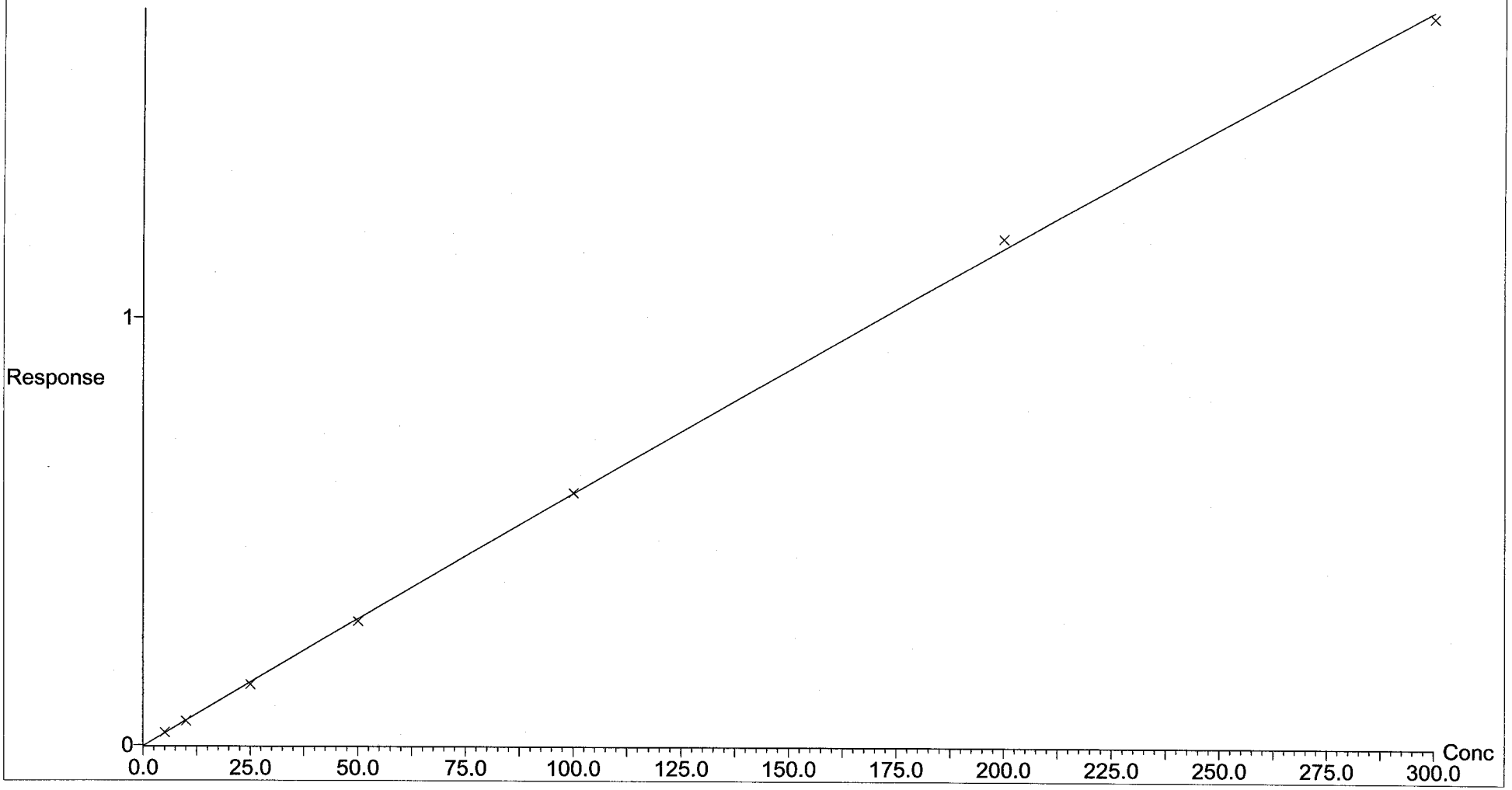


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 8 name: Nitrobenzene-d5 Method File: ex27g03L
Coefficient of Determination: 0.999673
Calibration curve: -8.84137e-7 * x^2 + 0.00601252 * x + -0.00231379
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

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Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
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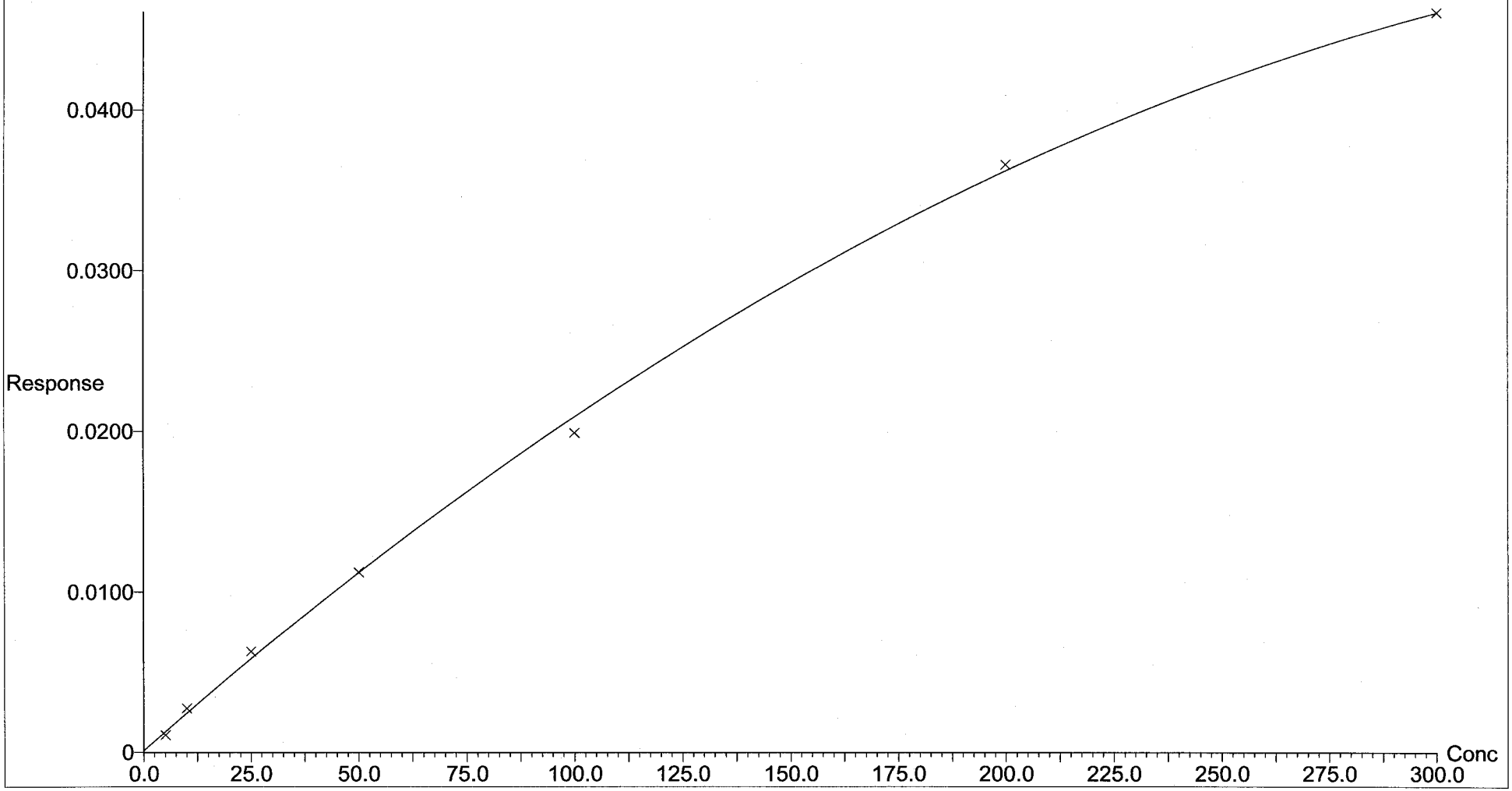
Compound 9 name: Nitroglycerin Method File: ex27g03L
Coefficient of Determination: 0.997846
Calibration curve: -2.74602e-7 * x^2 + 0.000235644 * x + 0.000106825
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

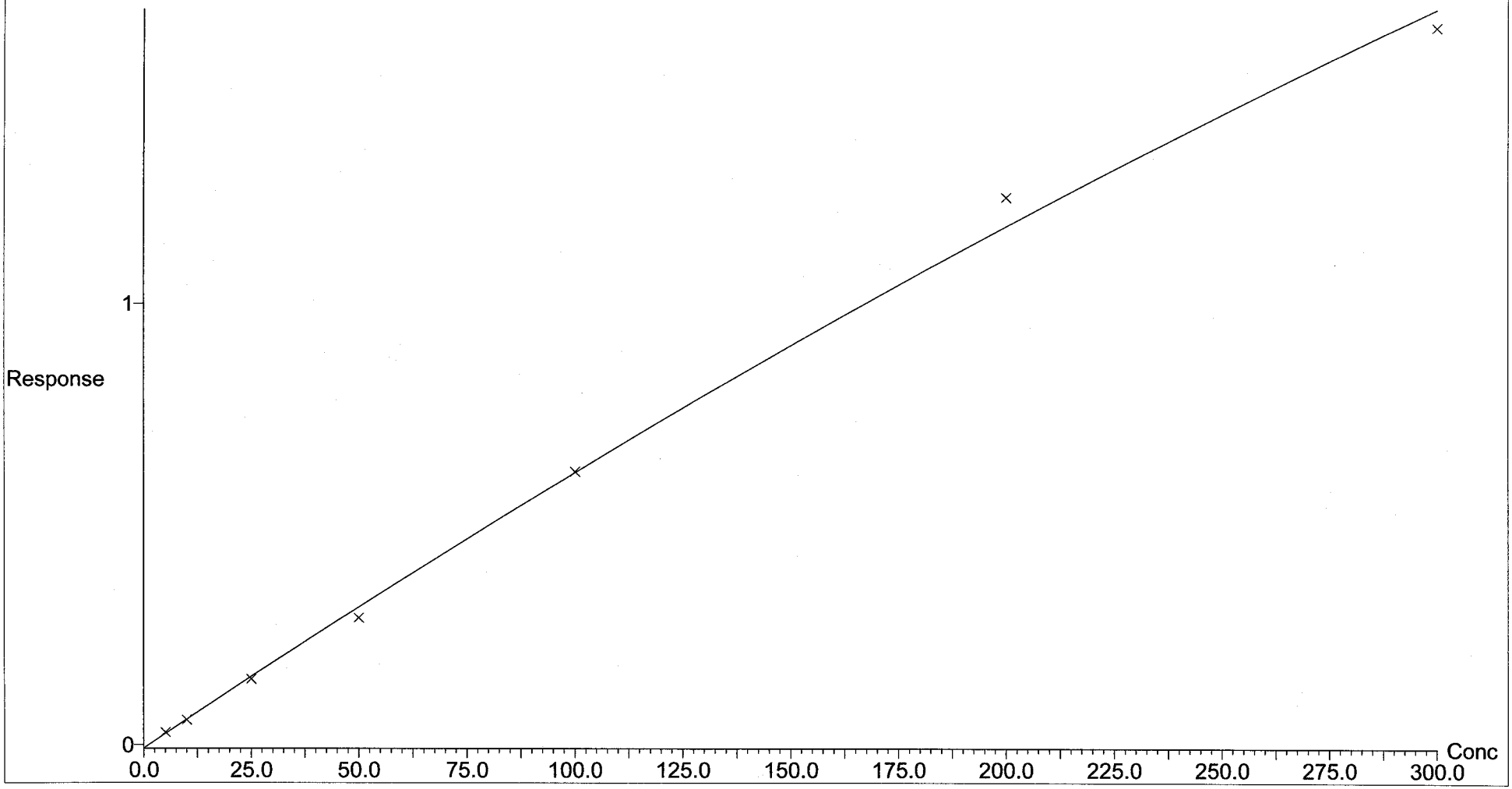


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 10 name: Nitrobenzene Method File: ex27g03L
Coefficient of Determination: 0.997767
Calibration curve: -3.34949e-6 * x^2 + 0.00658486 * x + -0.00711585
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

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Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
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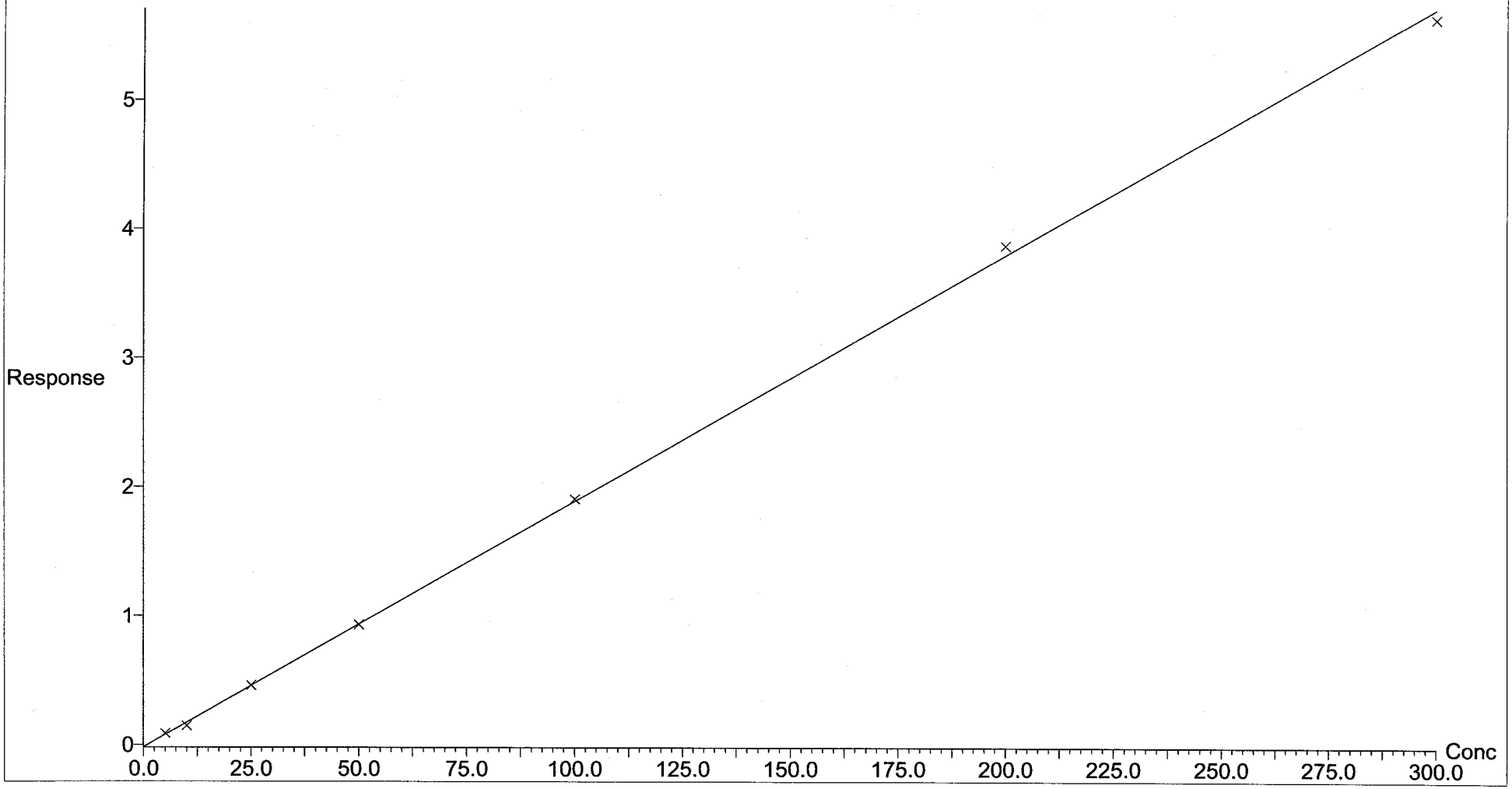
Compound 11 name: 2,4,6-Trinitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.999307
Calibration curve: 0.0190795 * x + -0.0181506
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

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Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
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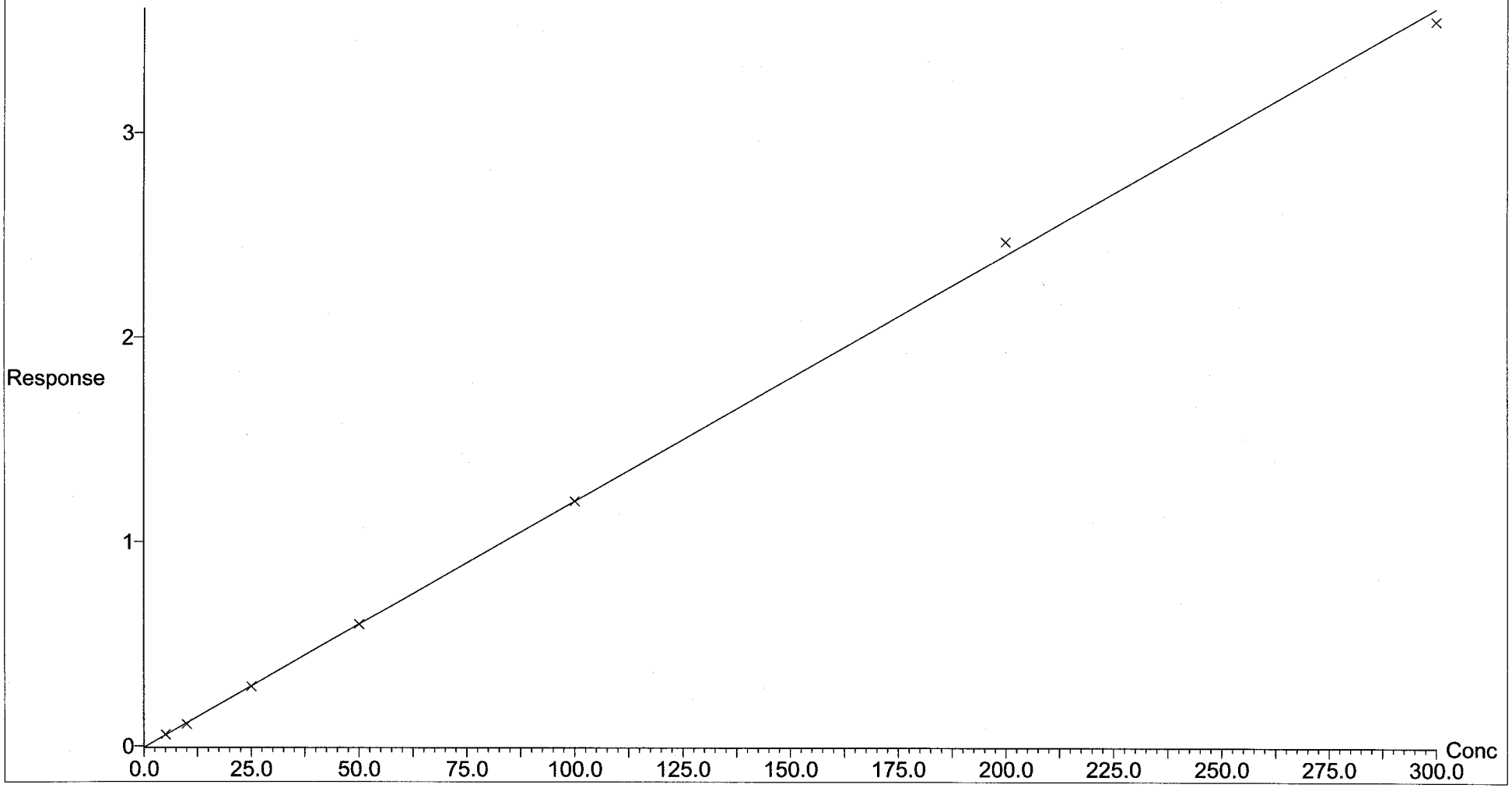
Compound 12 name: 4-Amino-2,6-dinitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.999525
Calibration curve: 0.0120526 * x + -0.00561967
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

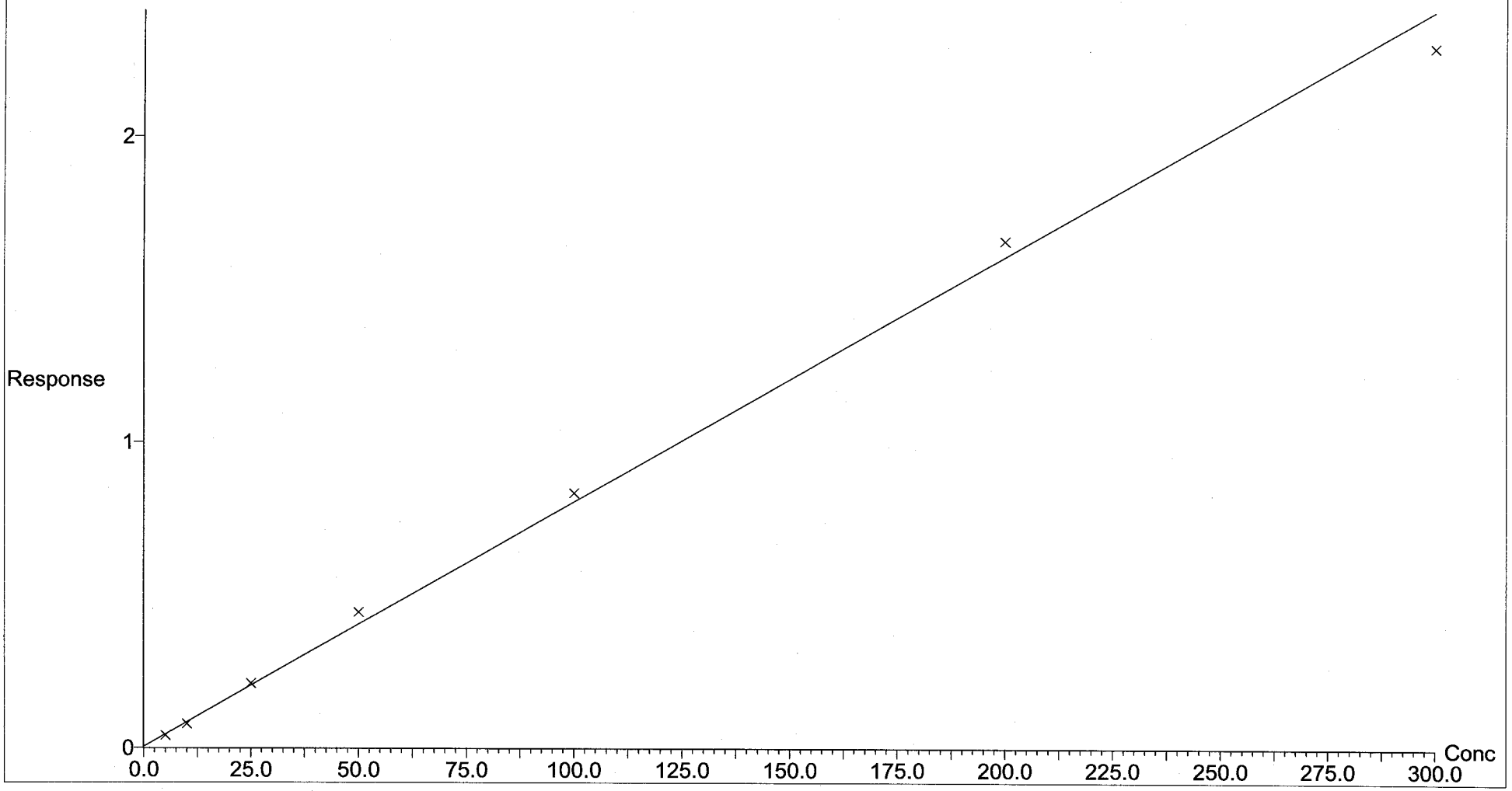


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 13 name: 2-Amino-4,6-dinitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.997034
Calibration curve: 0.00802202 * x + 0.00409045
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

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Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
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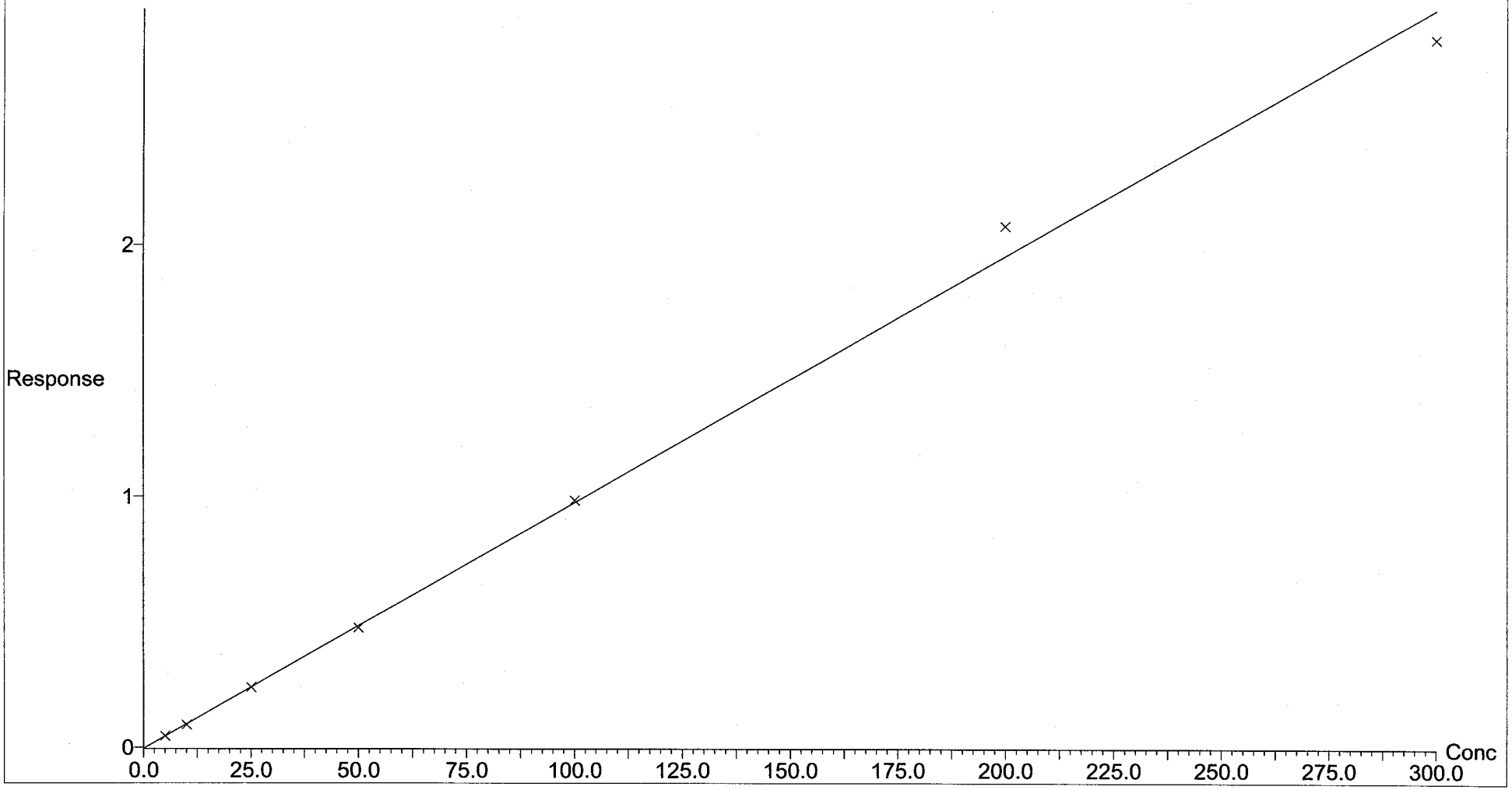
Compound 14 name: 2,6-Dinitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.997761
Calibration curve: 0.00981030 * x + -0.00410425
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

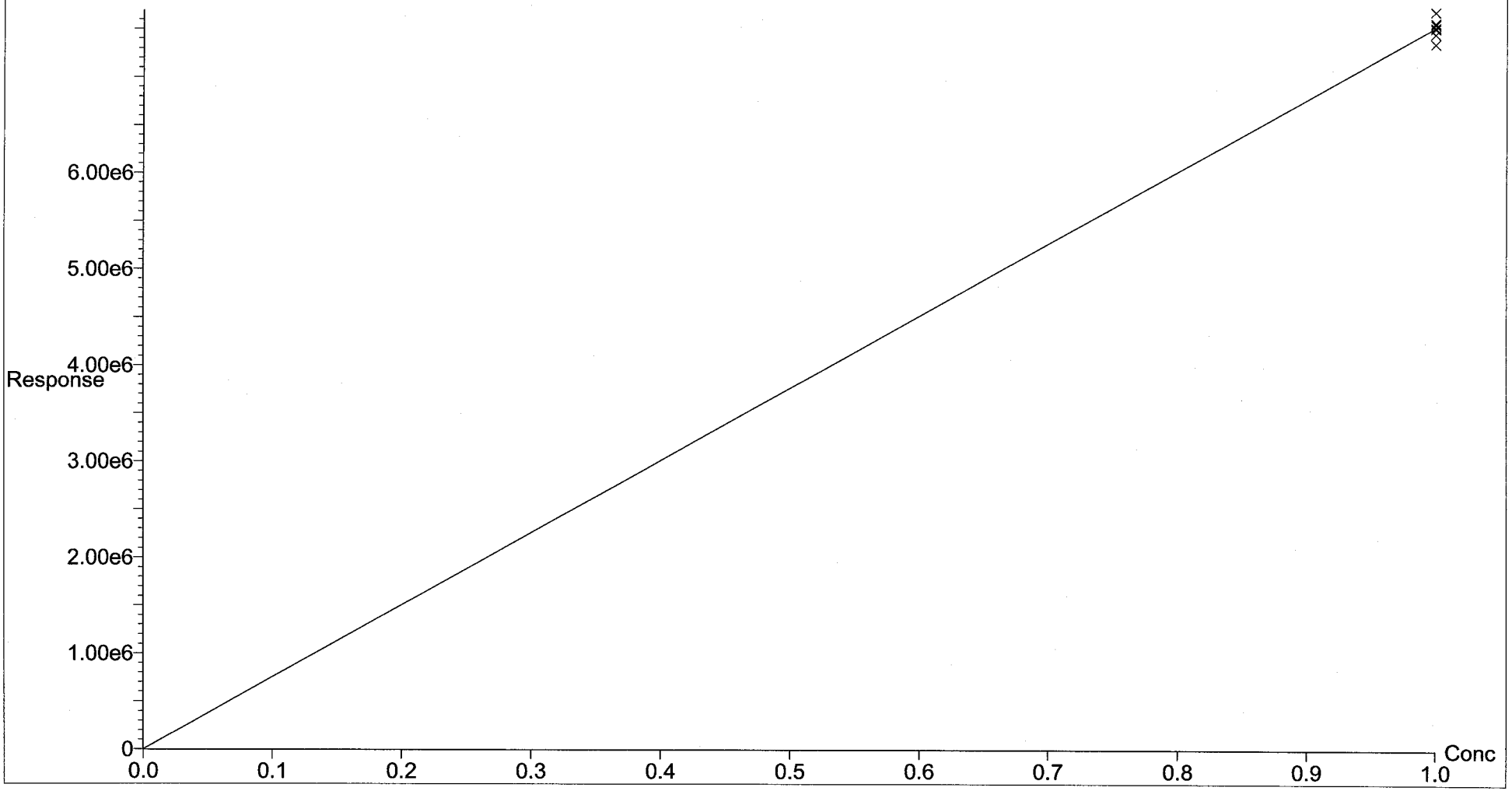


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 15 name: 2,4-Dinitrotoluene-d3 Method File: ex27g03L
Response Factor: 7.52907e6
RRF SD: 103765, % Relative SD: 1.37820
Response type: External Std, Area
Curve type: RF

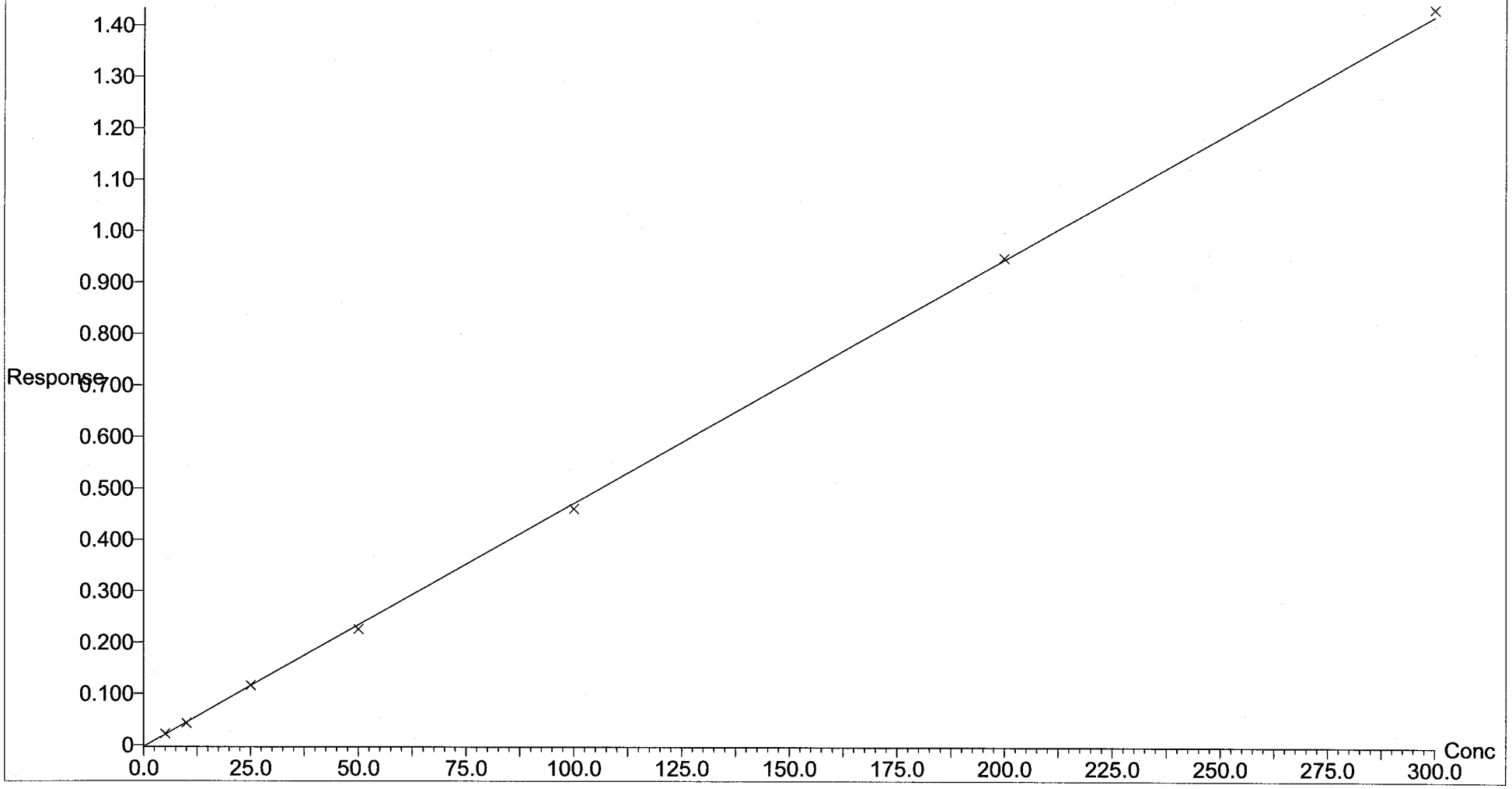


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 16 name: 2,4-Dinitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.999693
Calibration curve: 0.00474136 * x + -0.00291998
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

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Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
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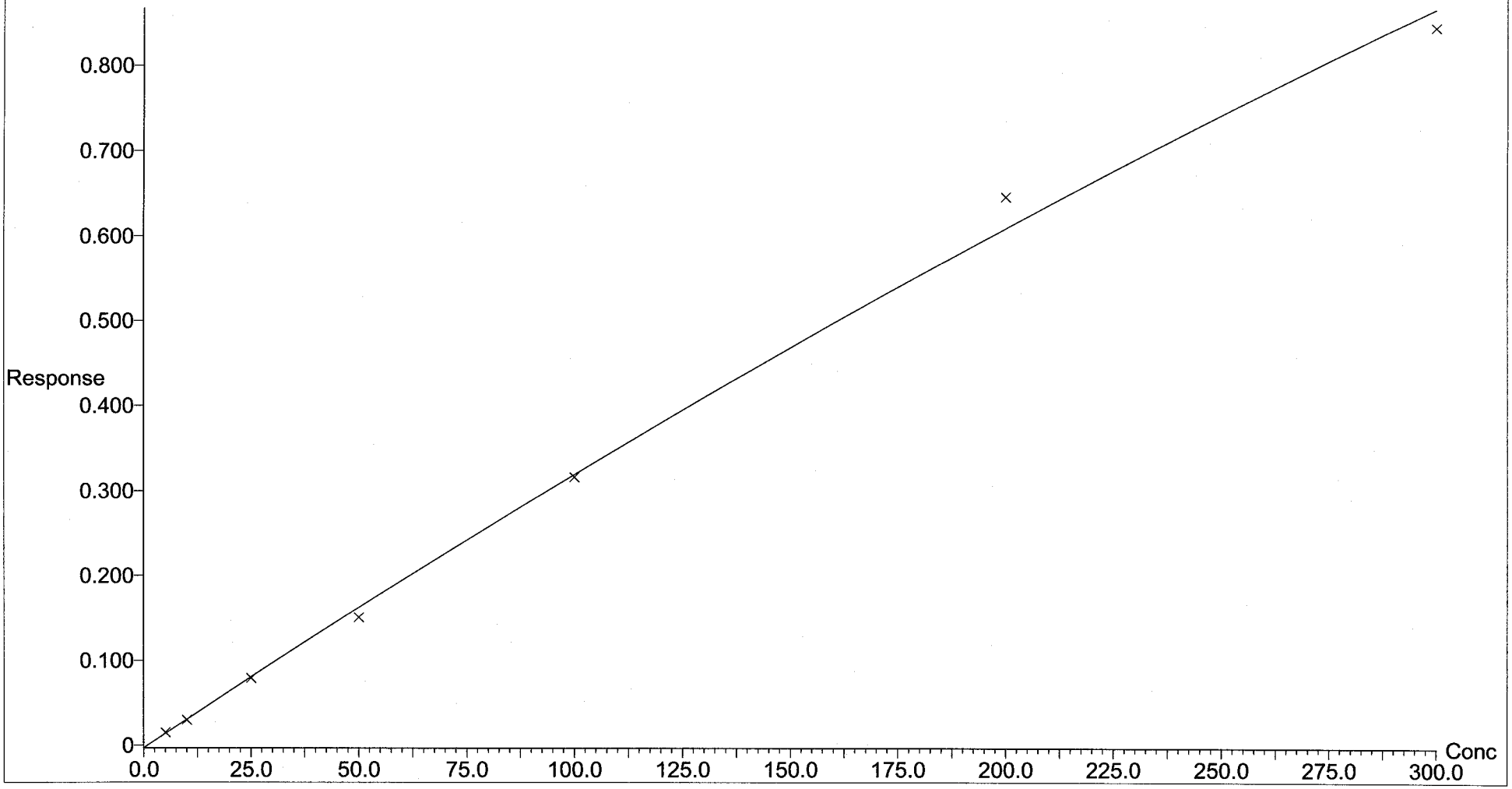
Compound 17 name: 2-Nitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.997689
Calibration curve: -1.61925e-6 * x^2 + 0.00338844 * x + -0.00292079
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

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Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
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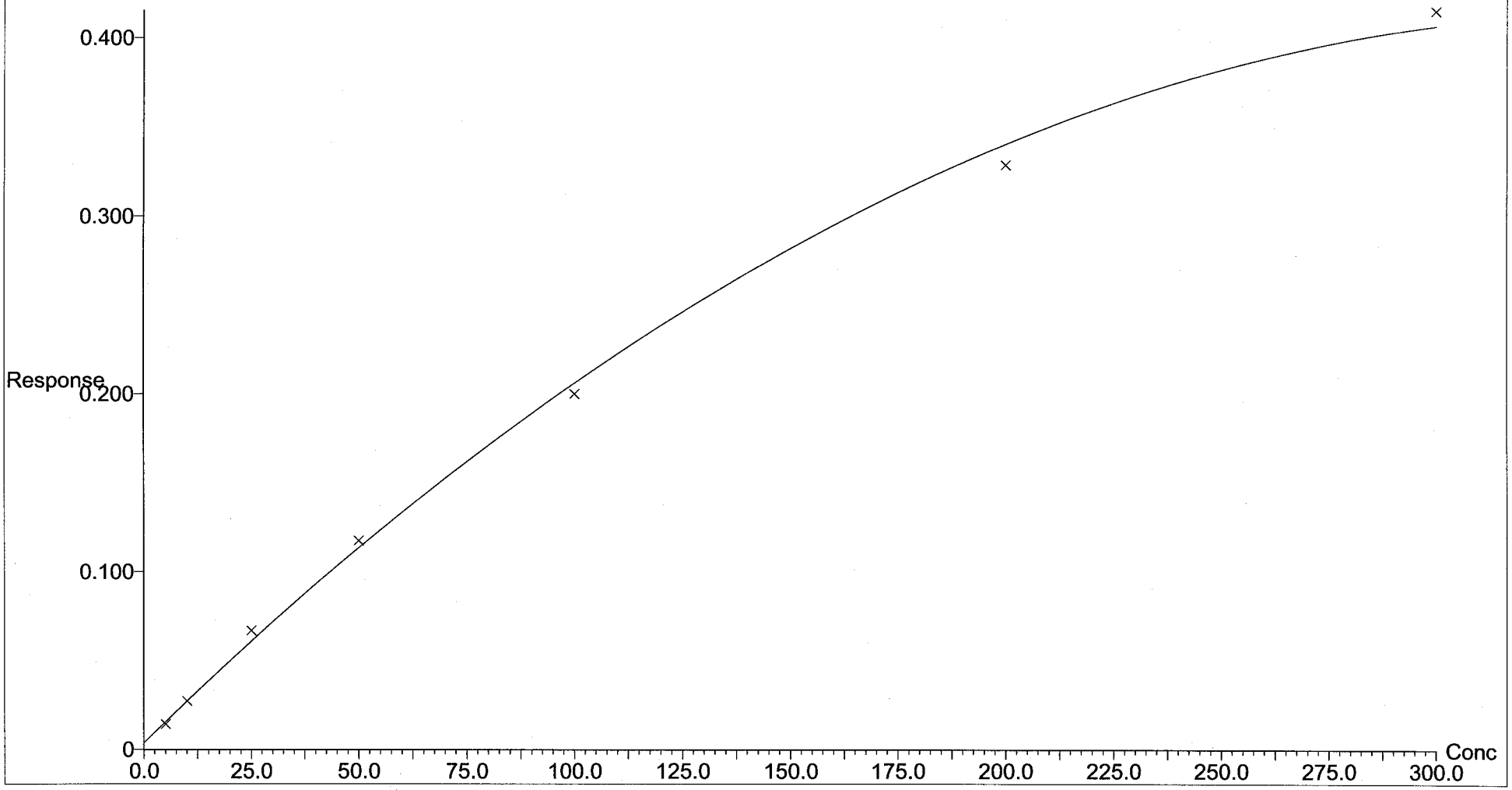
Compound 18 name: PETN Method File: ex27g03L
Coefficient of Determination: 0.997619
Calibration curve: -3.40292e-6 * x^2 + 0.00236494 * x + 0.00374444
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

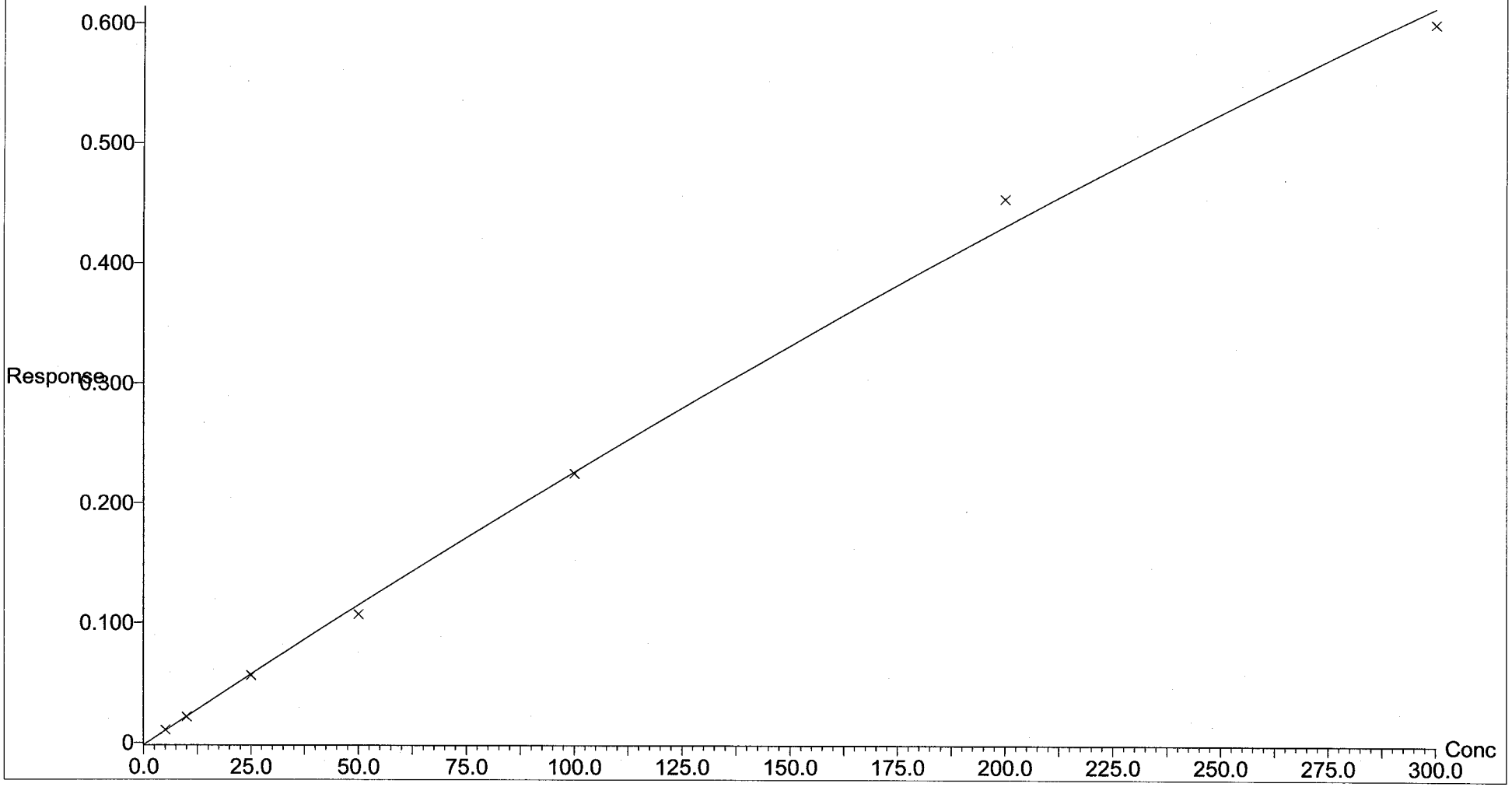


Analyst: Andrew Meyer

Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 19 name: 4-Nitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.998228
Calibration curve: -1.15161e-6 * x^2 + 0.00239724 * x + -0.00191406
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Andrew Meyer

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Quantify Calibration Report
Explosives Analysis

Calibration: C:\MassLynx\Explosives.PRO\CurveDB\ex27g03L
Last modified: Thu Jul 05 08:40:33 2007
Printed: Tue Jul 10 08:18:43 2007

Compound 20 name: 3-Nitrotoluene Method File: ex27g03L
Coefficient of Determination: 0.998250
Calibration curve: -8.01427e-7 * x^2 + 0.00178750 * x + -0.00125387
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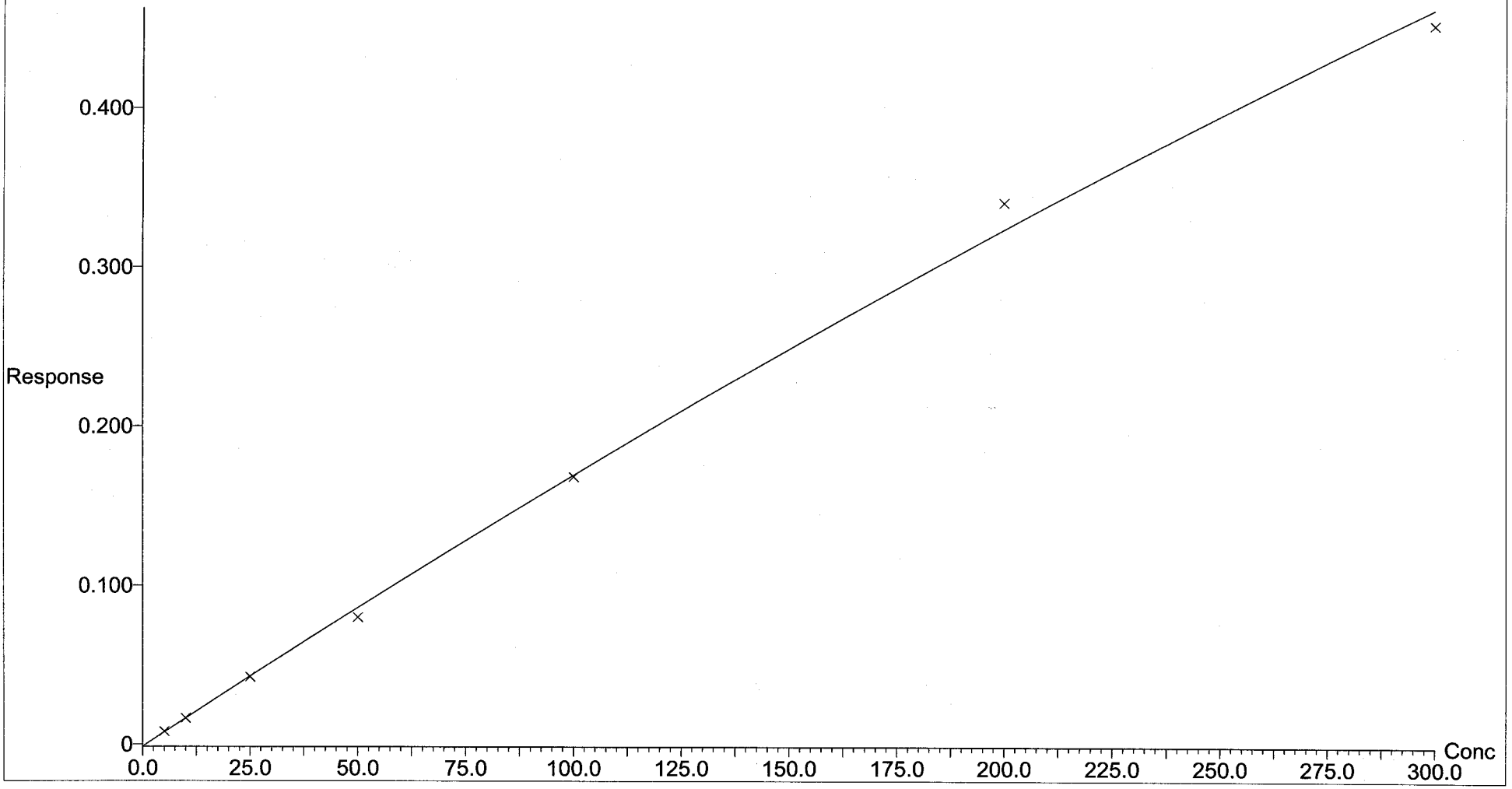

Analyst: Andrew Meyer

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Explosives Analysis

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Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0303
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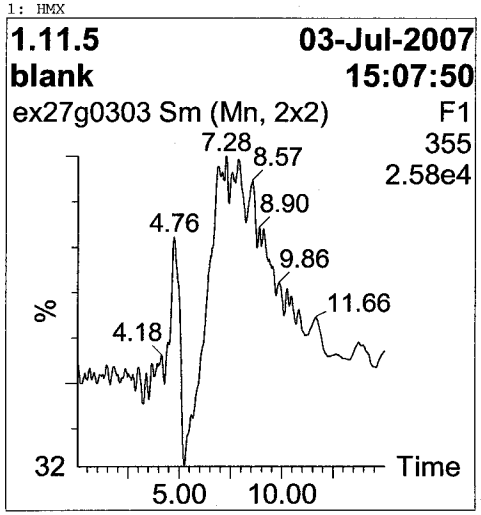
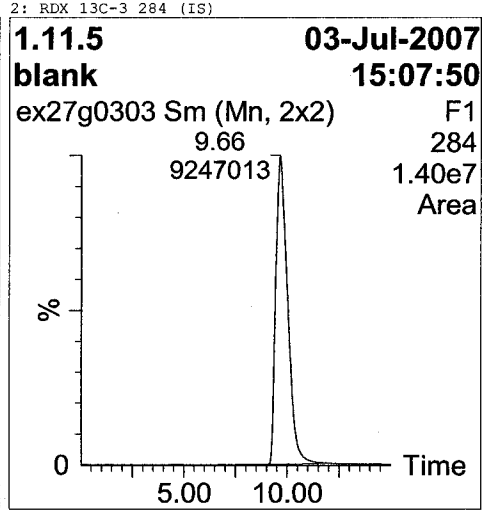
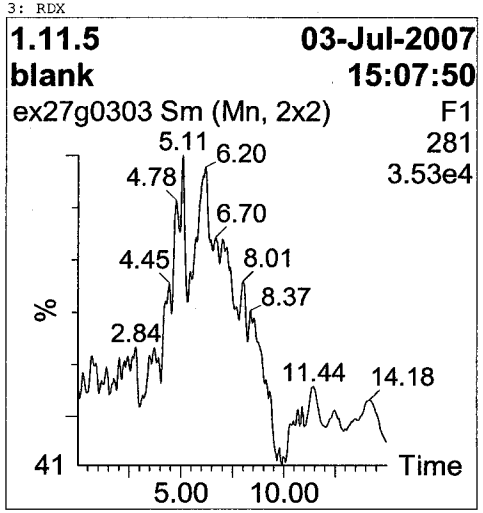


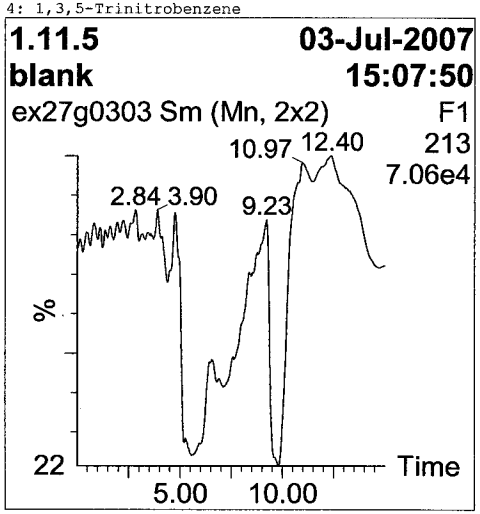
2: RDX 13C-3 284 (IS)



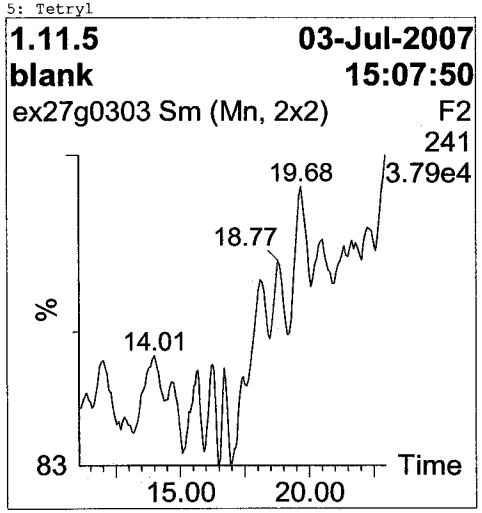
3: RDX



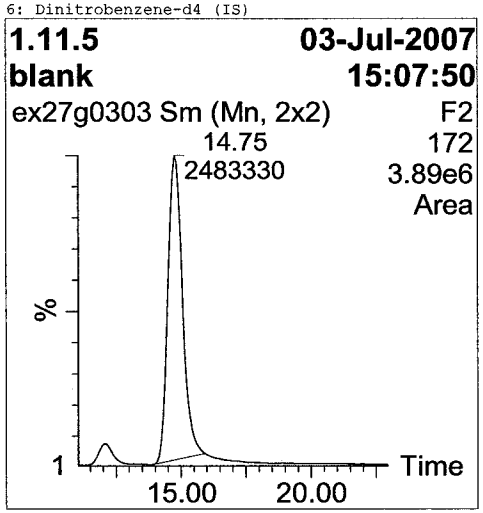
4: 1,3,5-Trinitrobenzene



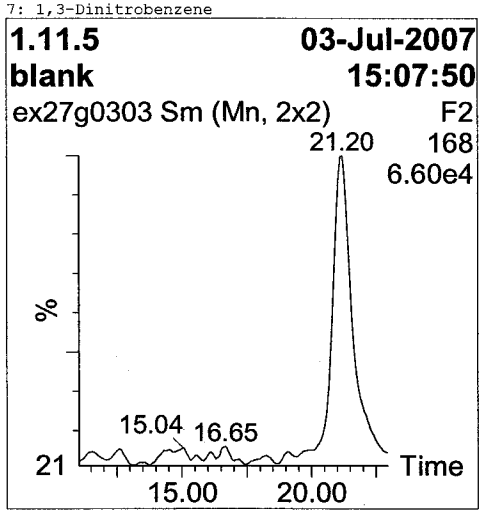
5: Tetryl



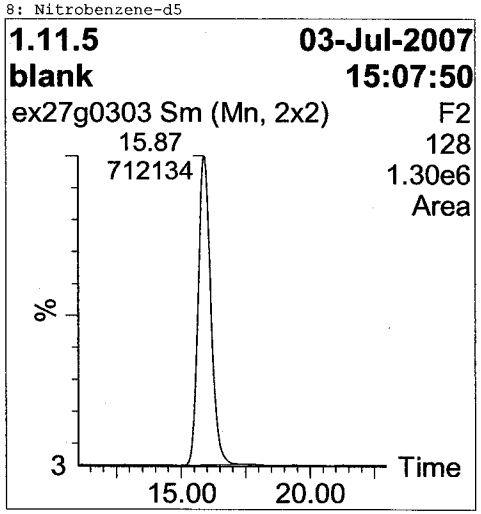
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0303
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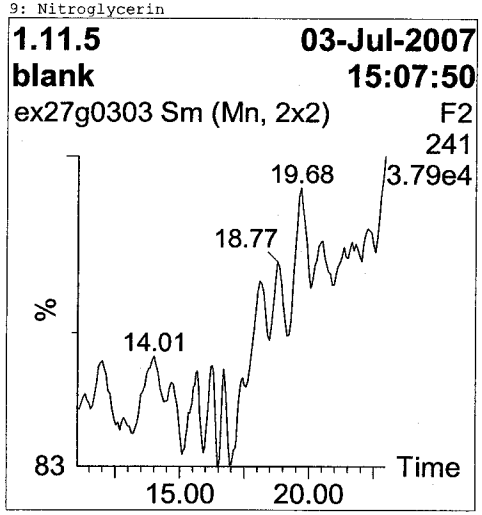
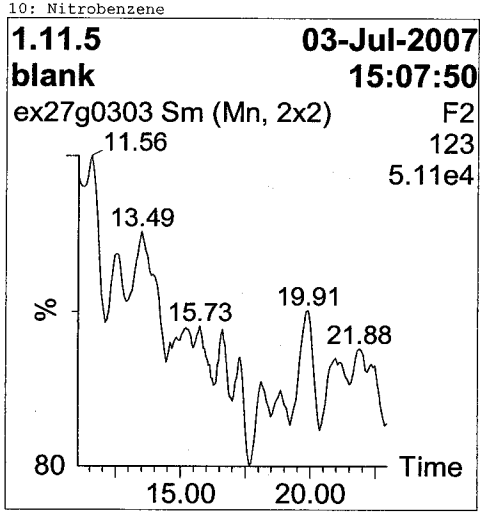
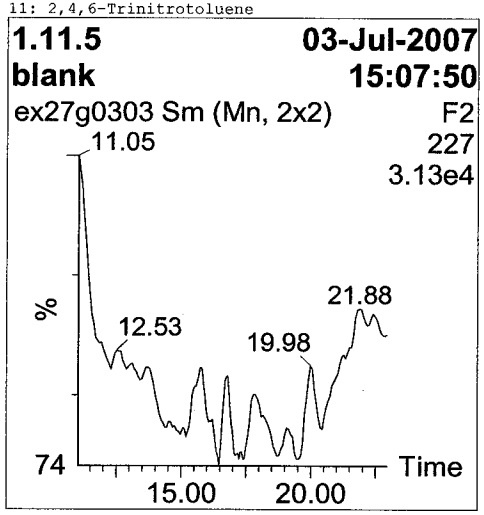
9: Nitroglycerin



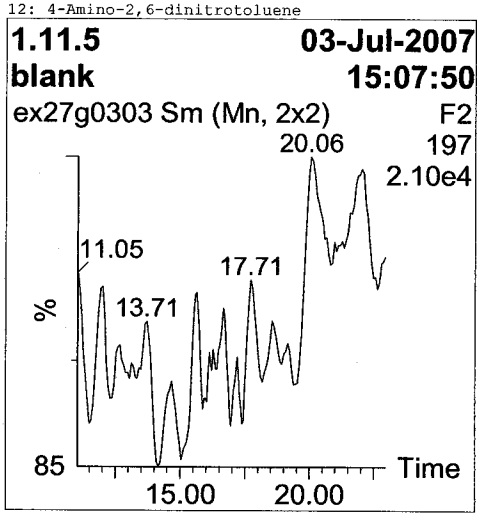
10: Nitrobenzene



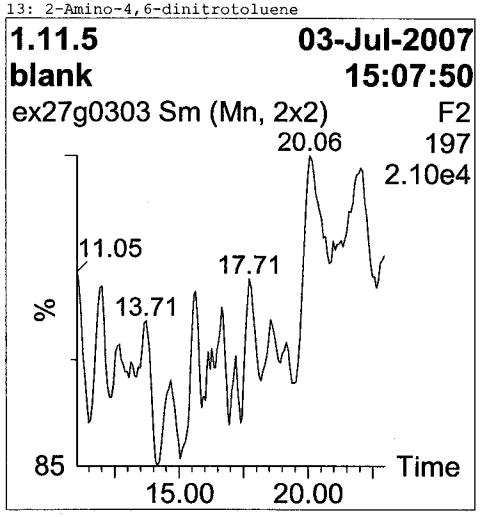
11: 2,4,6-Trinitrotoluene



12: 4-Amino-2,6-dinitrotoluene



13: 2-Amino-4,6-dinitrotoluene



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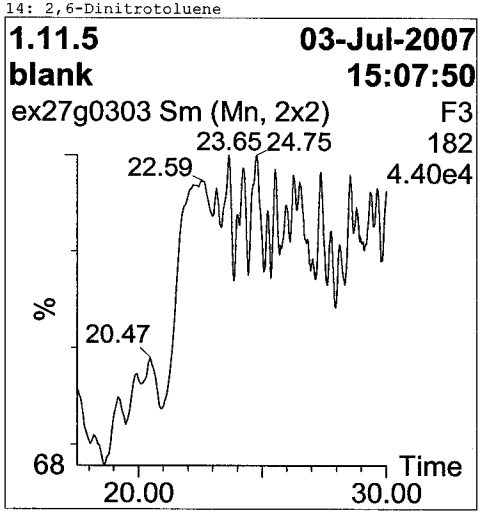
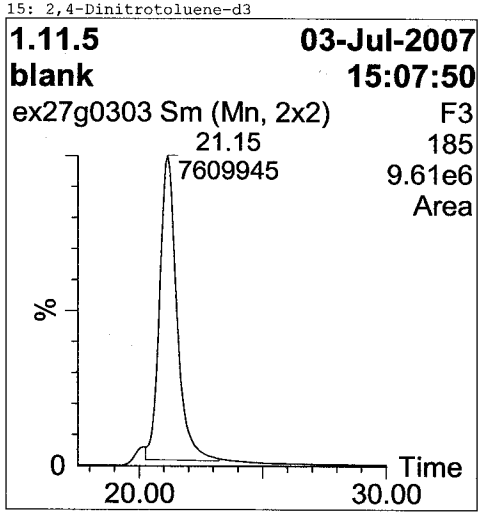
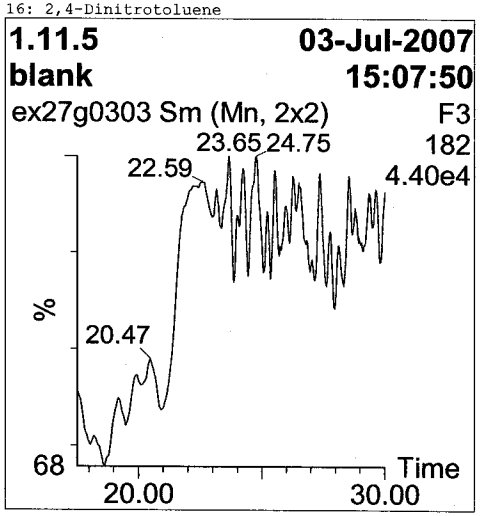


15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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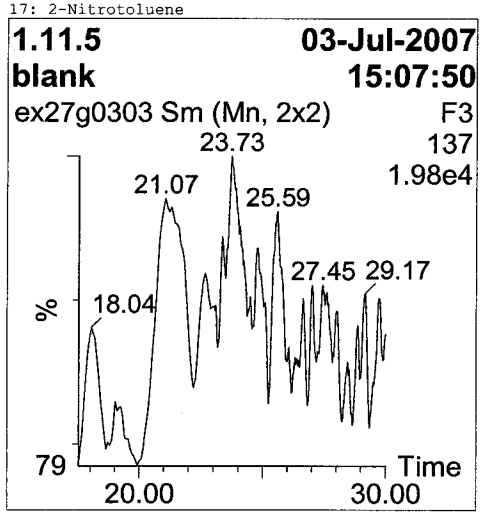
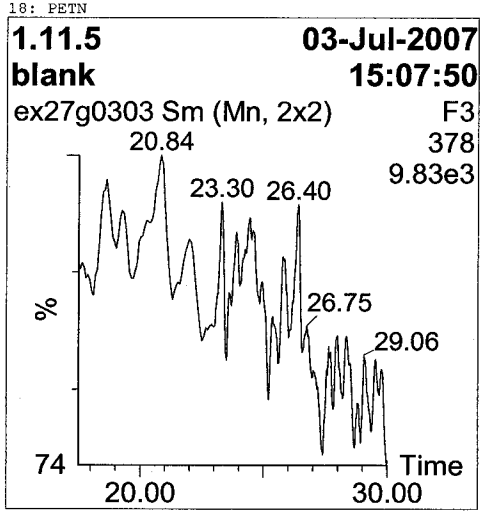
Name: ex27g0303
Text: blank

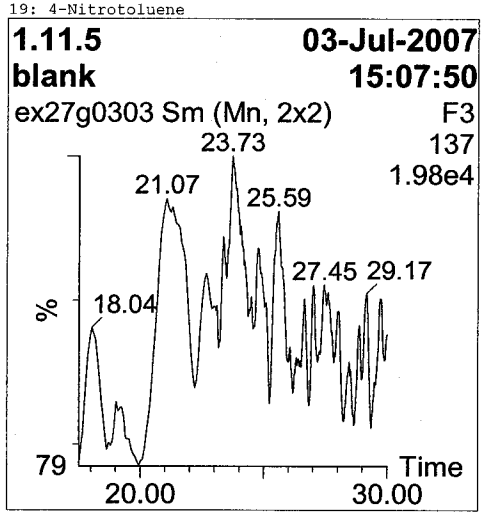
17: 2-Nitrotoluene



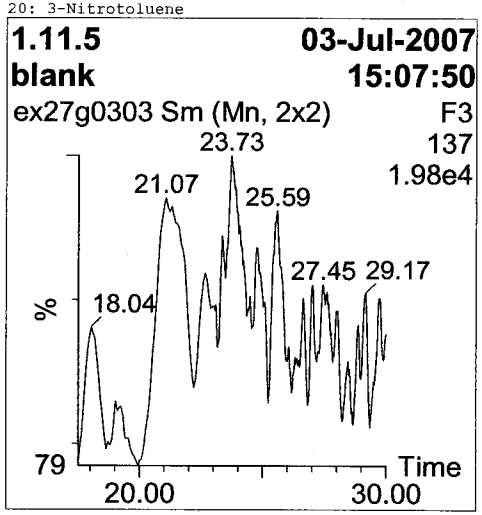
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			9247013						
4	1,3,5-Trinitrobenzene			2483330						
5	Tetryl			2483330						
6	Dinitrobenzene-d4 (IS)	14.75	2483330		2483329..	bb	0.985	98.46		
7	1,3-Dinitrobenzene			2483330						
8	Nitrobenzene-d5	15.87	712134	2483330	0.287	bb	48.424	96.85		
9	Nitroglycerin			9247013						
10	Nitrobenzene			2483330						
11	2,4,6-Trinitrotoluene			2483330						
12	4-Amino-2,6-dinitrotoluene			2483330						
13	2-Amino-4,6-dinitrotoluene			2483330						
14	2,6-Dinitrotoluene			7609945						
15	2,4-Dinitrotoluene-d3	21.15	7609945		7609944..	ds	1.011	101.07		
16	2,4-Dinitrotoluene			7609945						
17	2-Nitrotoluene			7609945						
18	PETN			7609945						
19	4-Nitrotoluene			7609945						
20	3-Nitrotoluene			7609945						

Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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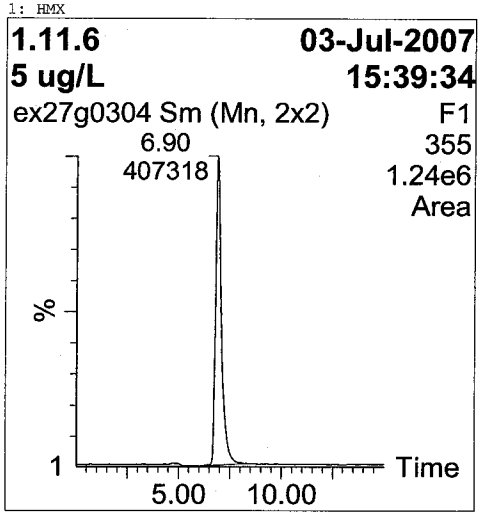
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0304
Text: 5 ug/L

1: HMX



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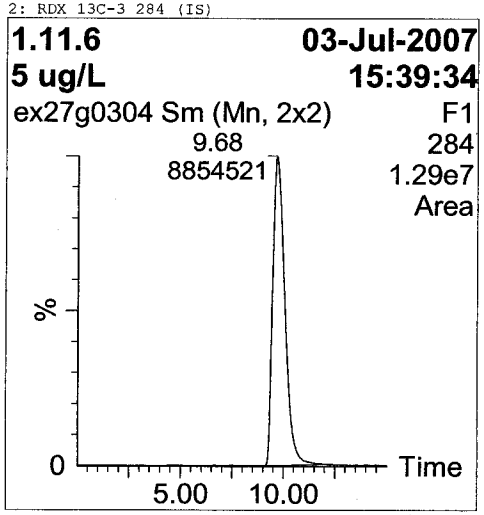
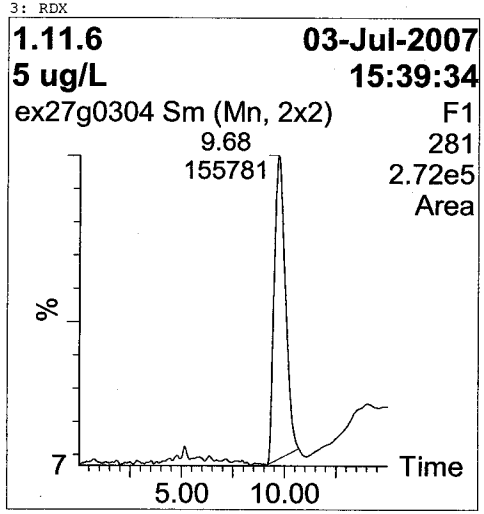
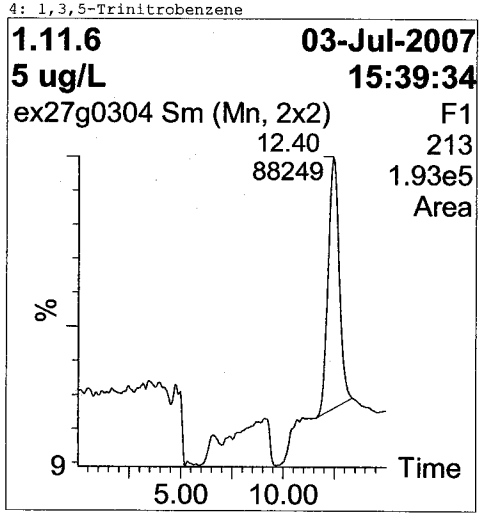


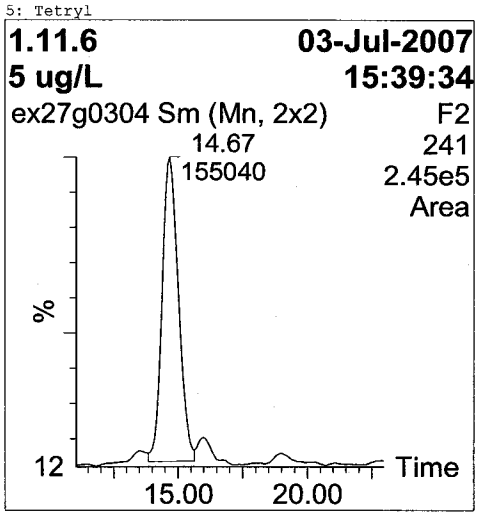
3: RDX



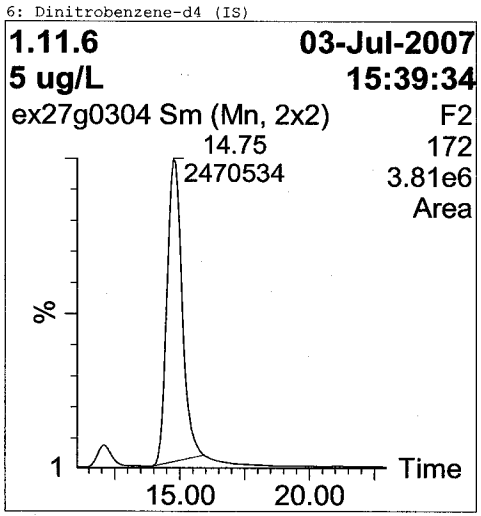
4: 1,3,5-Trinitrobenzene



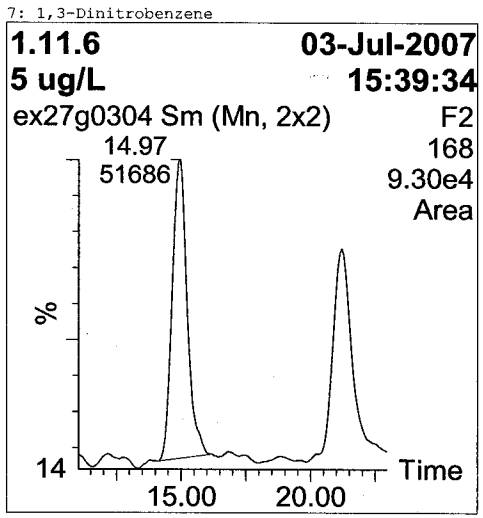
5: Tetryl



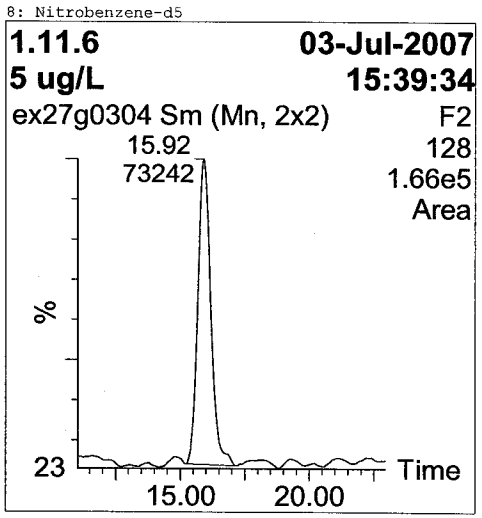
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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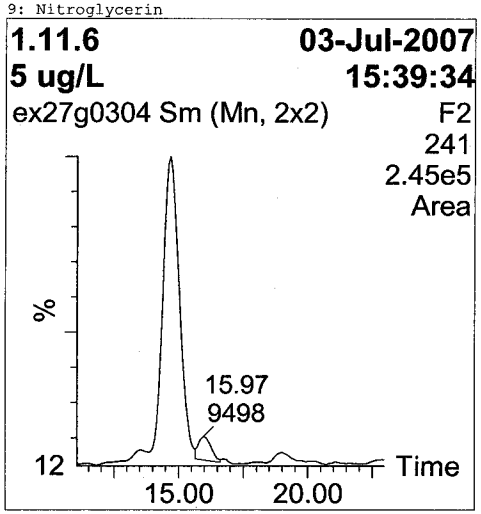
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

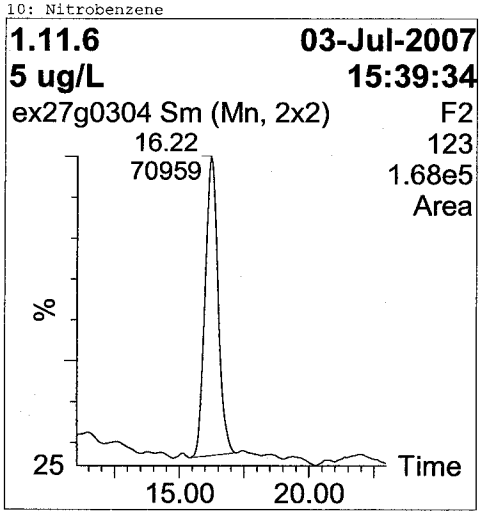
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0304
Text: 5 ug/L

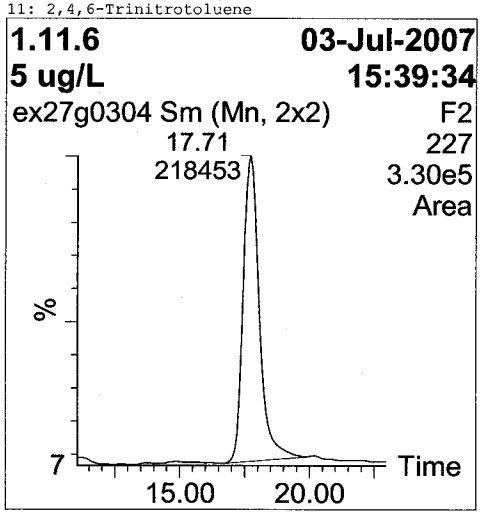
9: Nitroglycerin



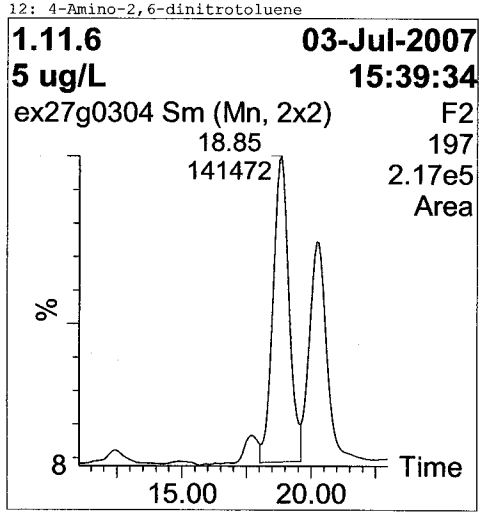
10: Nitrobenzene



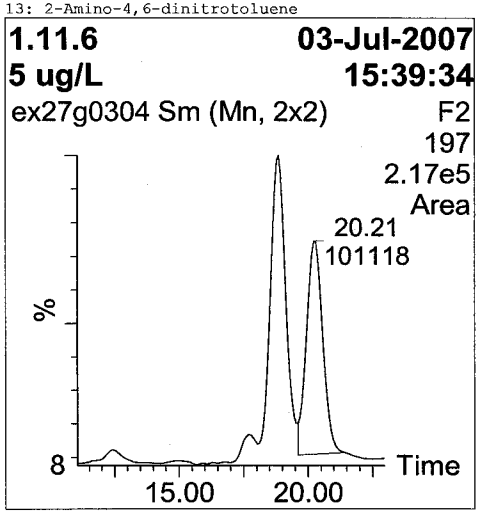
11: 2,4,6-Trinitrotoluene



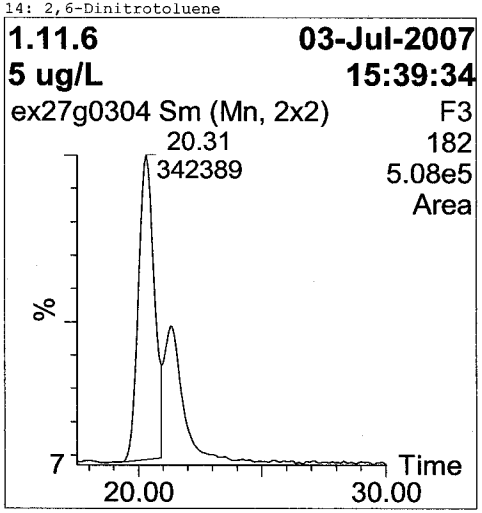
12: 4-Amino-2,6-dinitrotoluene



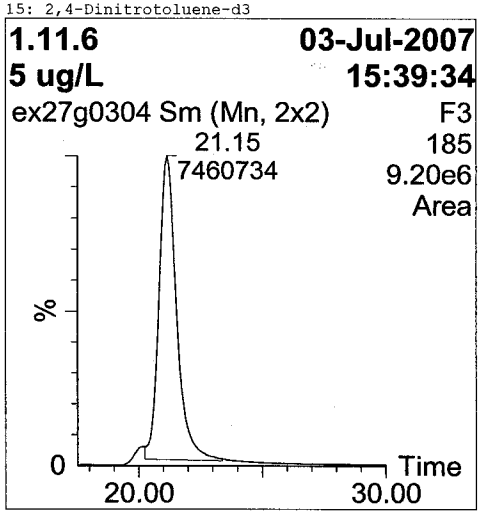
13: 2-Amino-4,6-dinitrotoluene



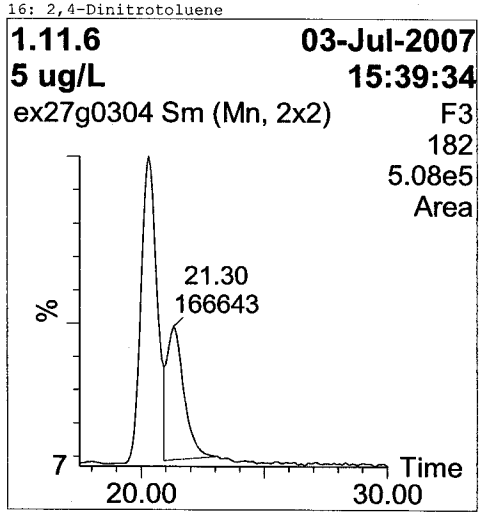
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

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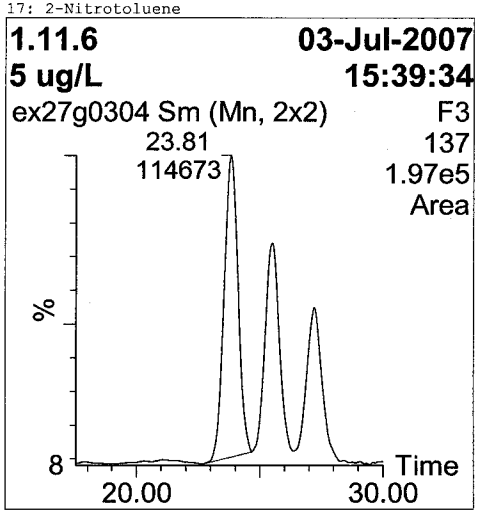
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

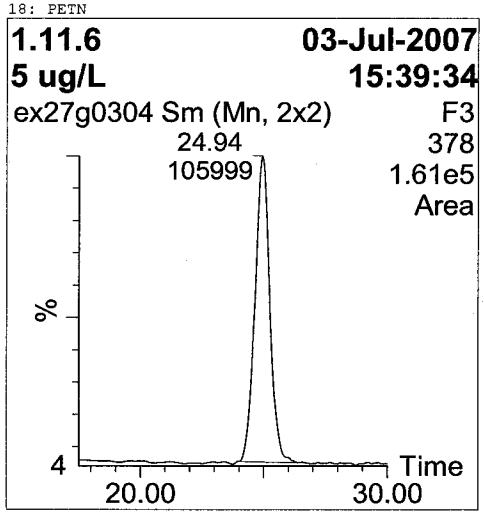
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0304
Text: 5 ug/L

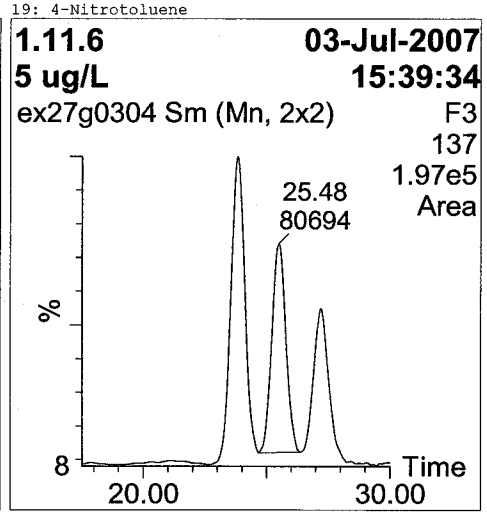
17: 2-Nitrotoluene



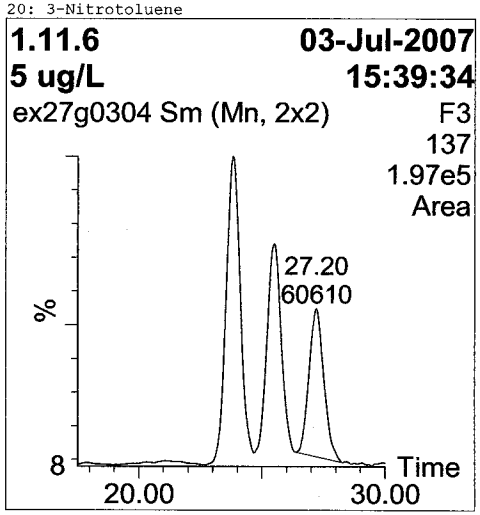
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX	9.68	155781	8854521	0.018	bb	5.134	102.69		
4	1,3,5-Trinitrobenzene	12.40	88249	2470534	0.036	bb	5.161	103.22		
5	Tetryl	14.67	155040	2470534	0.063	dd	4.877	97.55		
6	Dinitrobenzene-d4 (IS)	14.75	2470534		2470533..	bb	0.979	97.95		
7	1,3-Dinitrobenzene	14.97	51686	2470534	0.021	bb	5.137	102.73		
8	Nitrobenzene-d5	15.92	73242	2470534	0.030	bb	5.320	106.39		
9	Nitroglycerin	15.97	9498	8854521	0.001	dd	4.118	82.37		
10	Nitrobenzene	16.22	70959	2470534	0.029	bb	5.458	109.15		
11	2,4,6-Trinitrotoluene	17.71	218453	2470534	0.088	bb	5.586	111.72		
12	4-Amino-2,6-dinitrotoluene	18.85	141472	2470534	0.057	dd	5.217	104.35		
13	2-Amino-4,6-dinitrotoluene	20.21	101118	2470534	0.041	db	4.592	91.85		
14	2,6-Dinitrotoluene	20.31	342389	7460734	0.046	bd	5.096	101.93		
15	2,4-Dinitrotoluene-d3	21.15	7460734		7460733..	ds	0.991	99.09		
16	2,4-Dinitrotoluene	21.30	166643	7460734	0.022	db	5.327	106.53		
17	2-Nitrotoluene	23.81	114673	7460734	0.015	bb	5.412	108.24		
18	PETN	24.94	105999	7460734	0.014	bb	4.453	89.06		
19	4-Nitrotoluene	25.48	80694	7460734	0.011	bb	5.324	106.48		
20	3-Nitrotoluene	27.20	60610	7460734	0.008	bb	5.259	105.17		

Analyst: Andrew Meyer

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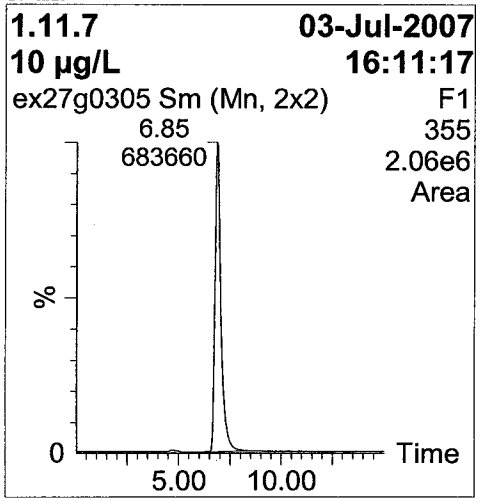
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

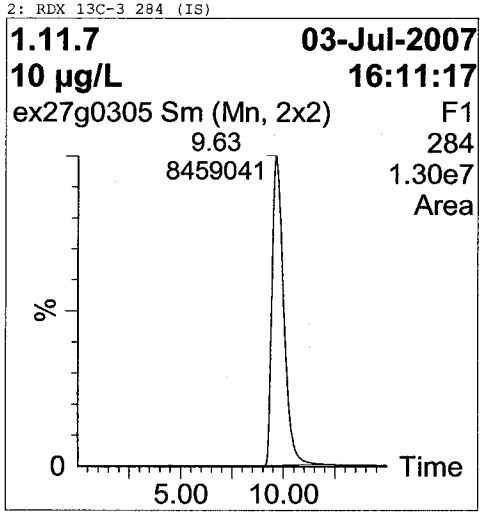
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0305
Text: 10 µg/L

1: HMX



2: RDX 13C-3 284 (IS)



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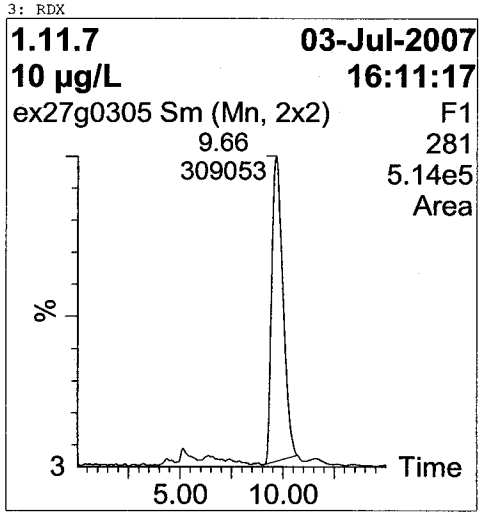
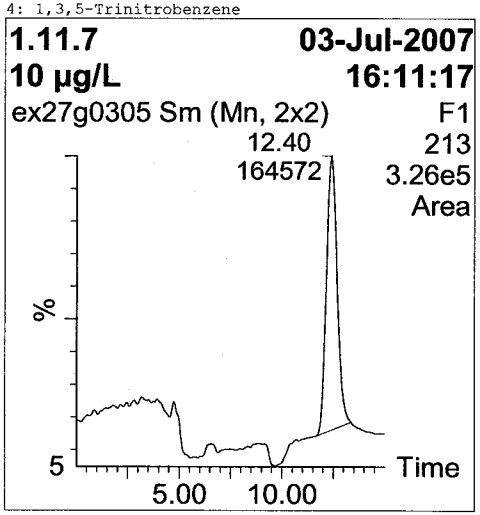
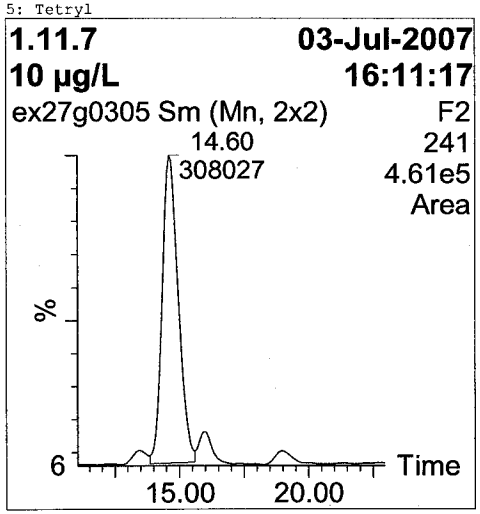


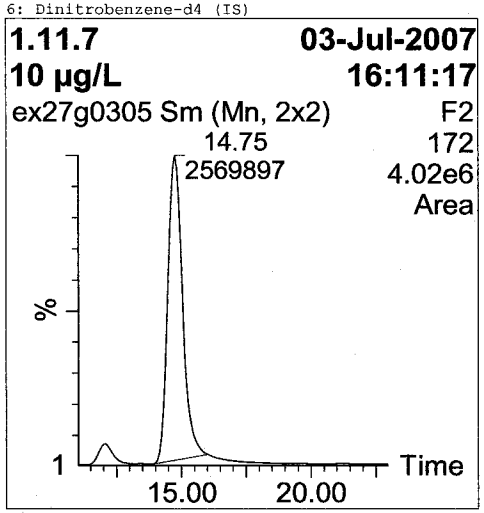
4: 1,3,5-Trinitrobenzene



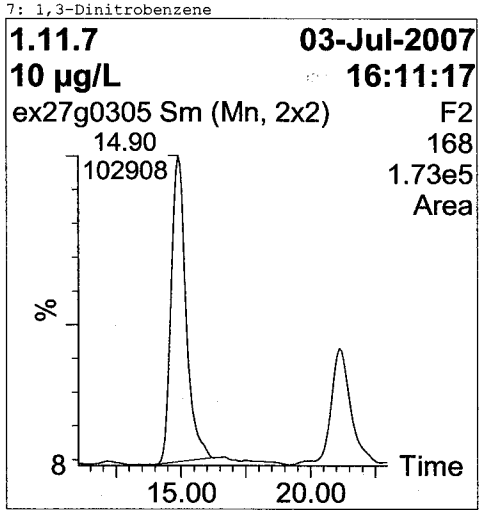
5: Tetryl



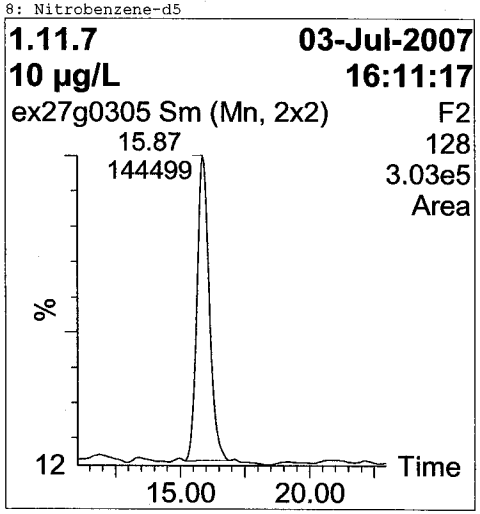
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

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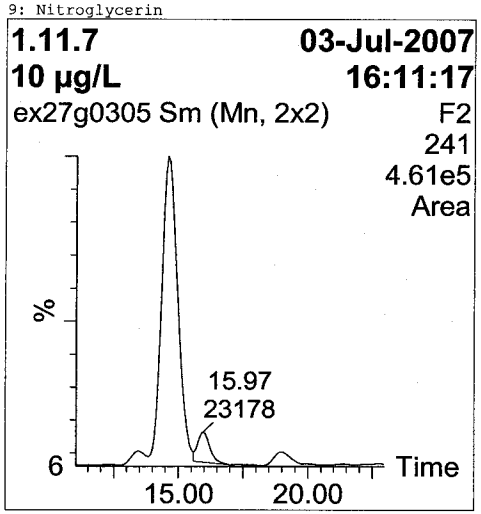
Name: ex27g0305
Text: 10 µg/L

9: Nitroglycerin



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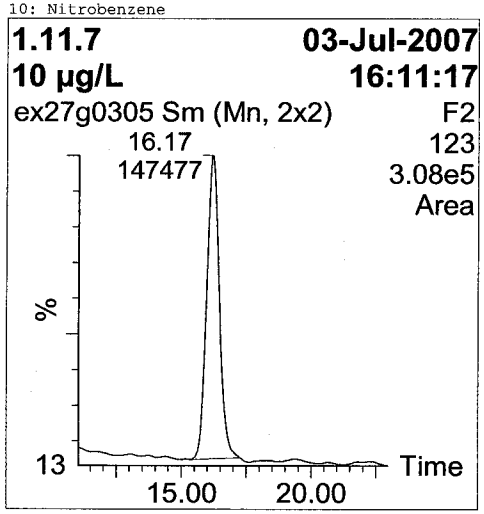
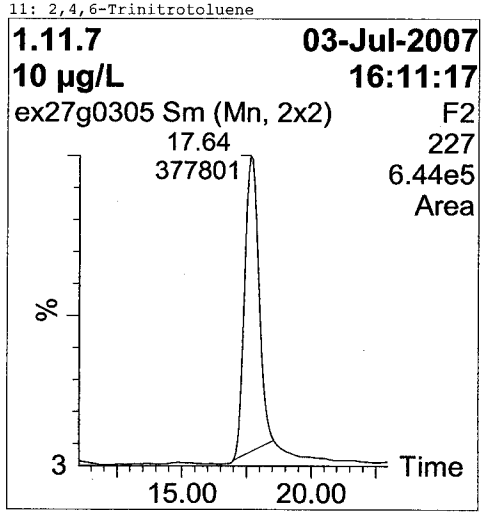


11: 2,4,6-Trinitrotoluene



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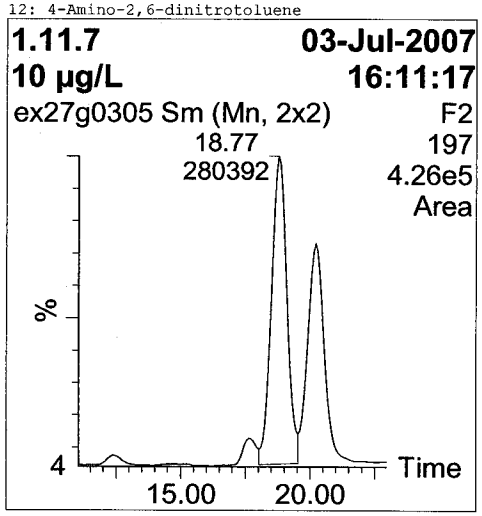

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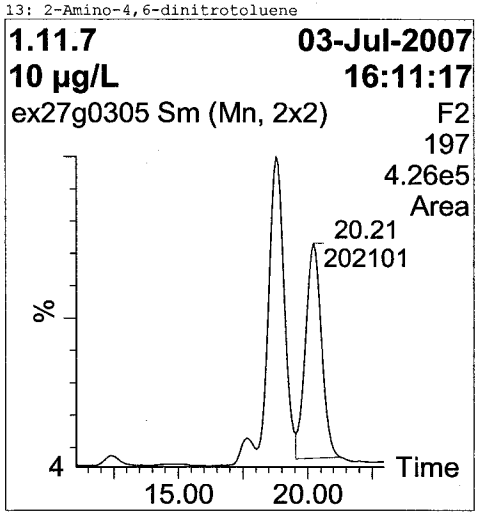
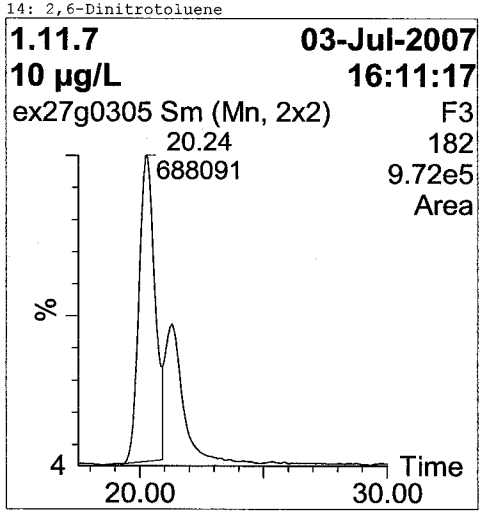
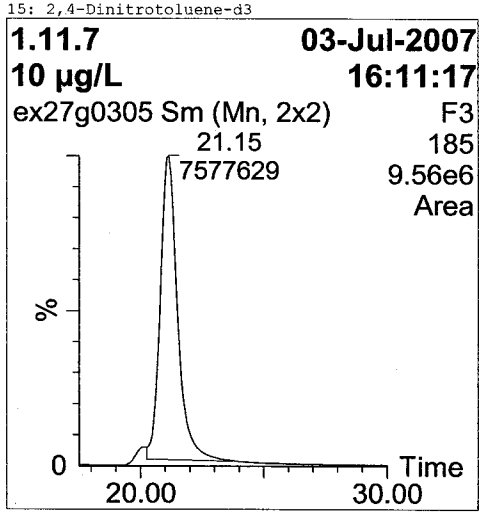


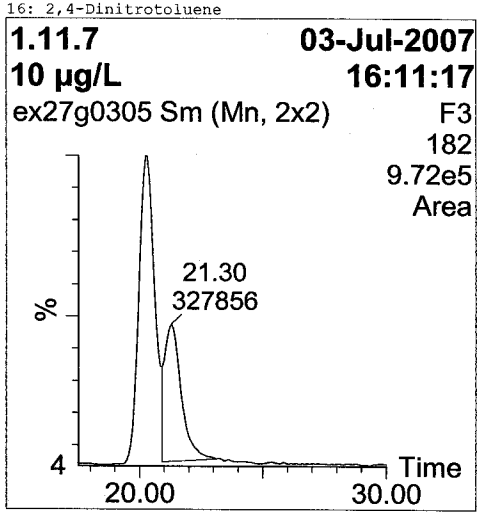
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

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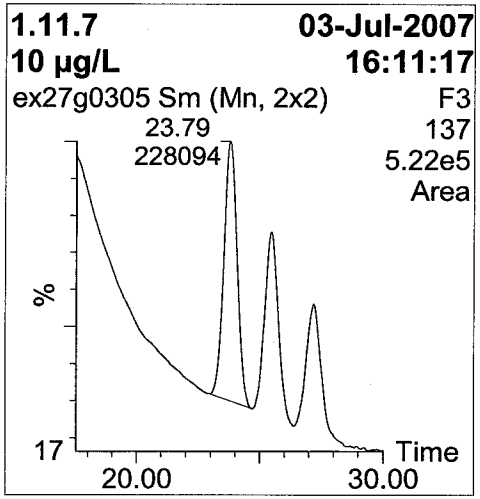
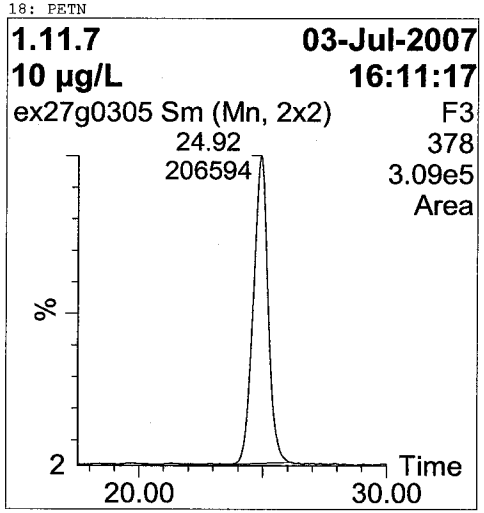
Name: ex27g0305
Text: 10 µg/L

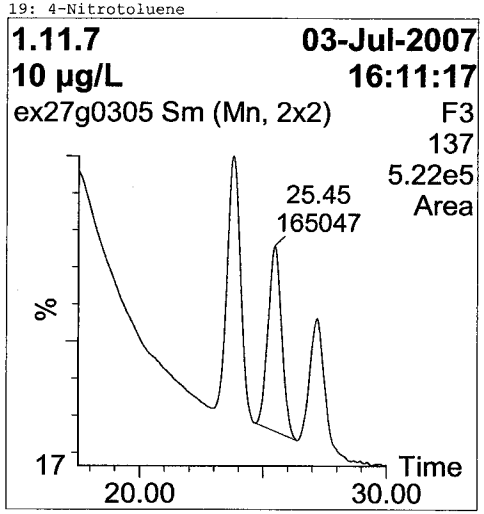
17: 2-Nitrotoluene



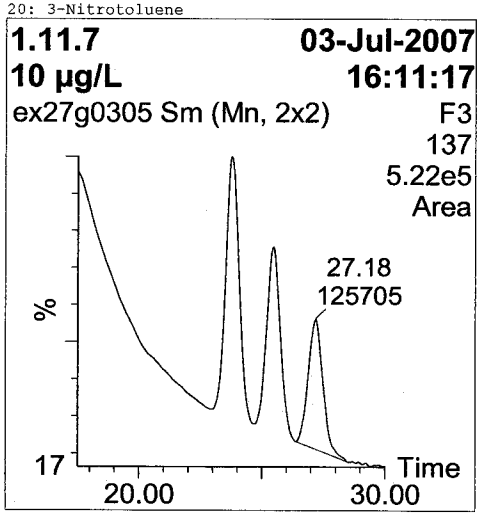
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX	9.66	309053	8459041	0.037	bb	9.960	99.60		
4	1,3,5-Trinitrobenzene	12.40	164572	2569897	0.064	bb	9.646	96.46		
5	Tetryl	14.60	308027	2569897	0.120	dd	10.131	101.31		
6	Dinitrobenzene-d4 (IS)	14.75	2569897		2569897..	bb	1.019	101.89		
7	1,3-Dinitrobenzene	14.90	102908	2569897	0.040	bb	9.697	96.97		
8	Nitrobenzene-d5	15.87	144499	2569897	0.056	bb	9.751	97.51		
9	Nitroglycerin	15.97	23178	8459041	0.003	db	11.324	113.24		
10	Nitrobenzene	16.17	147477	2569897	0.057	bb	9.845	98.45		
11	2,4,6-Trinitrotoluene	17.64	377801	2569897	0.147	bb	8.656	86.56		
12	4-Amino-2,6-dinitrotoluene	18.77	280392	2569897	0.109	dd	9.519	95.19		
13	2-Amino-4,6-dinitrotoluene	20.21	202101	2569897	0.079	db	9.293	92.93		
14	2,6-Dinitrotoluene	20.24	688091	7577629	0.091	bd	9.675	96.75		
15	2,4-Dinitrotoluene-d3	21.15	7577629		7577629..	ds	1.006	100.64		
16	2,4-Dinitrotoluene	21.30	327856	7577629	0.043	db	9.741	97.41		
17	2-Nitrotoluene	23.79	228094	7577629	0.030	bb	9.791	97.91		
18	PETN	24.92	206594	7577629	0.027	bb	10.091	100.91		
19	4-Nitrotoluene	25.45	165047	7577629	0.022	bb	9.932	99.32		
20	3-Nitrotoluene	27.18	125705	7577629	0.017	bb	10.027	100.27		

Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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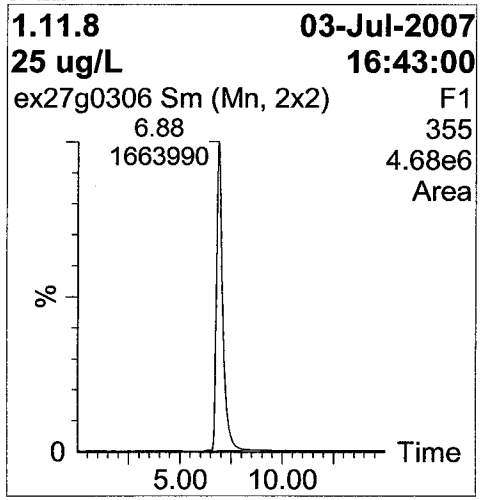
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

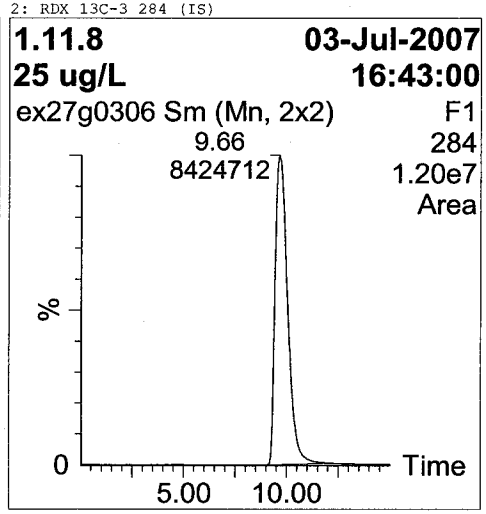
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0306
Text: 25 ug/L

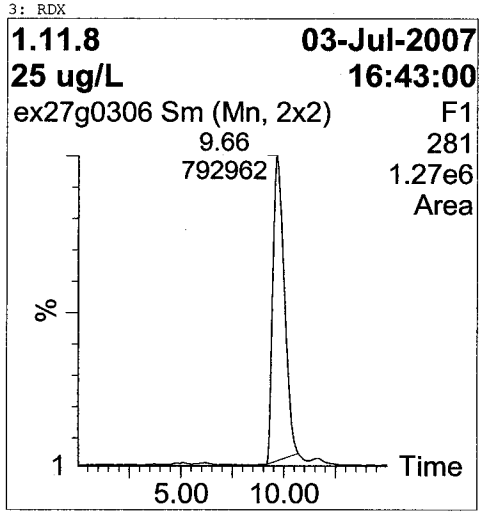
1: HMX



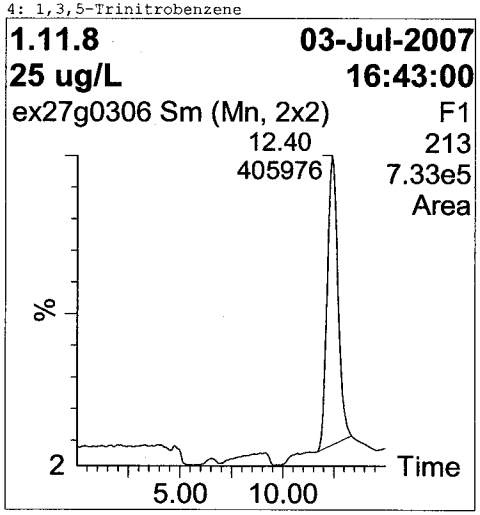
2: RDX 13C-3 284 (IS)



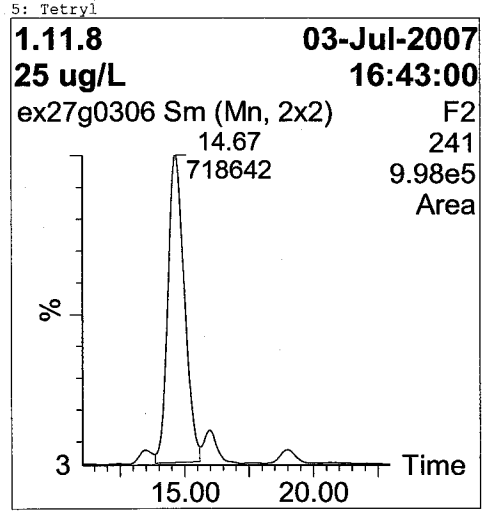
3: RDX



4: 1,3,5-Trinitrobenzene



5: Tetryl



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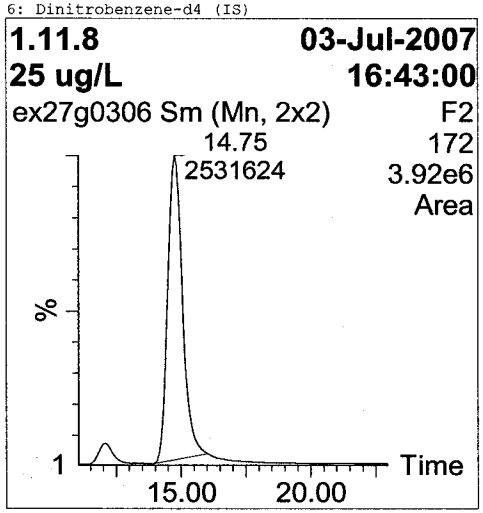
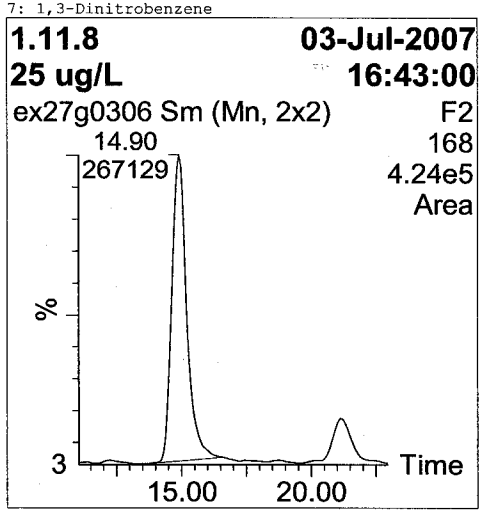
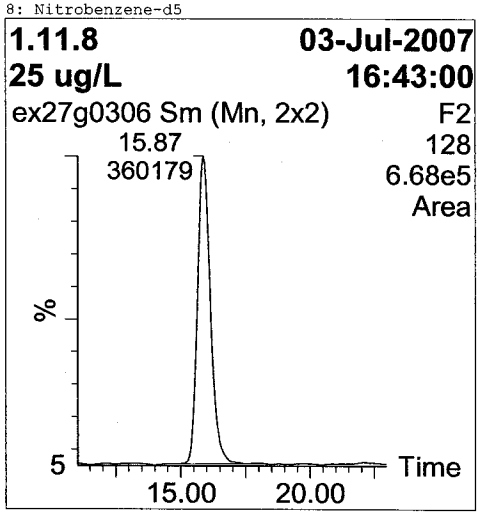


7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
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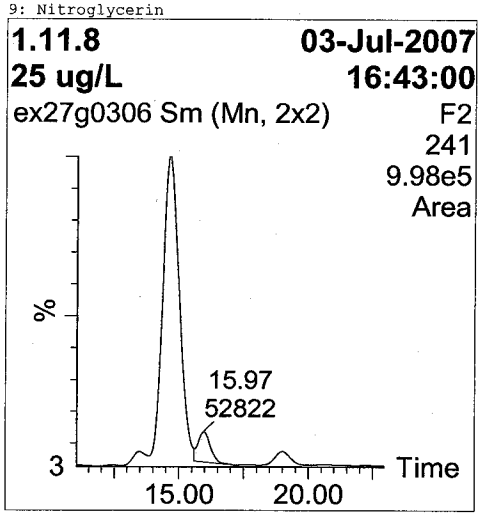
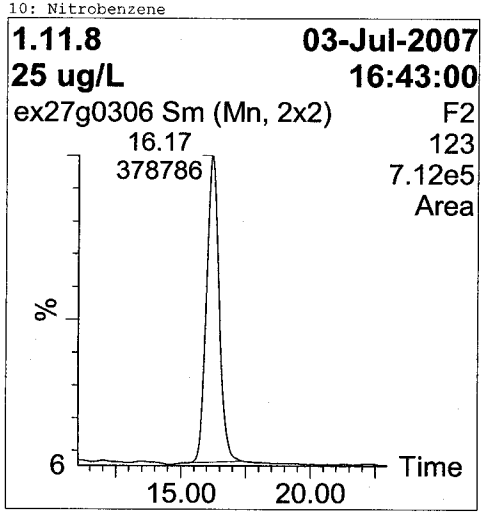
Name: ex27g0306
Text: 25 ug/L

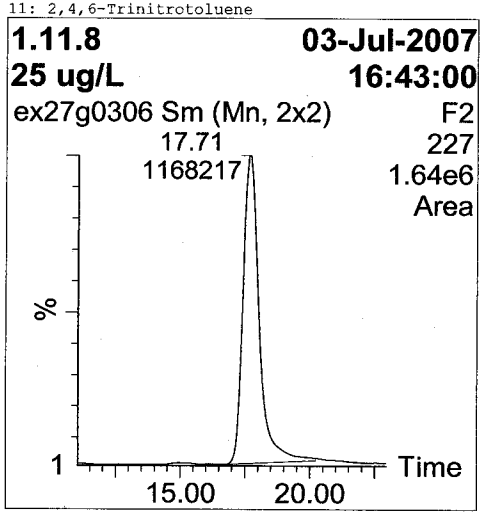
9: Nitroglycerin



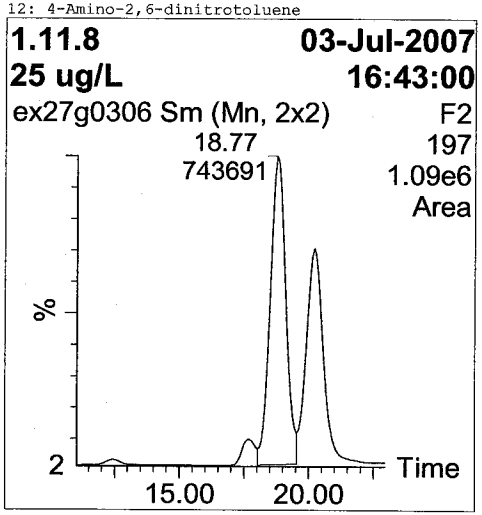
10: Nitrobenzene



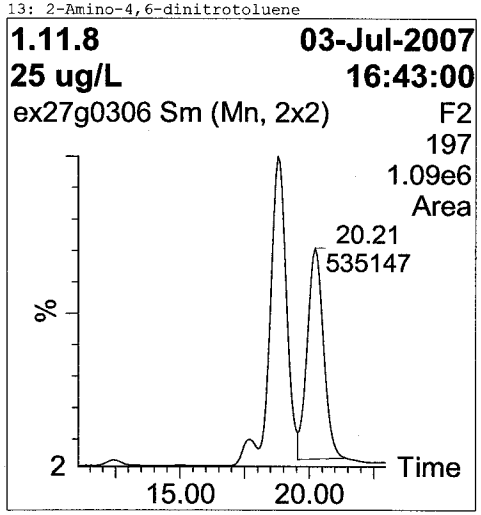
11: 2,4,6-Trinitrotoluene



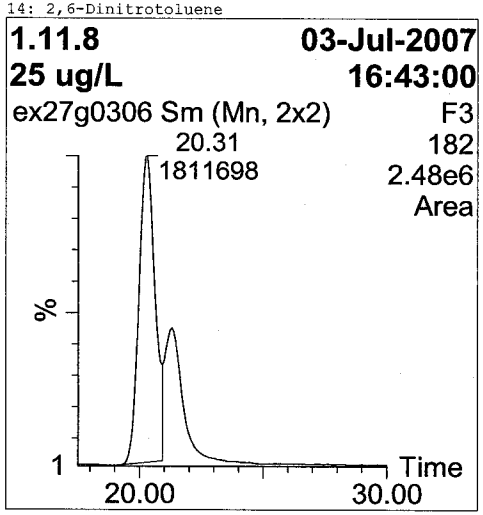
12: 4-Amino-2,6-dinitrotoluene



13: 2-Amino-4,6-dinitrotoluene



14: 2,6-Dinitrotoluene



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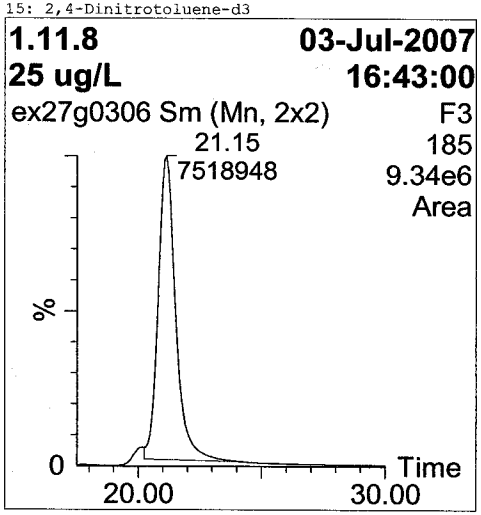
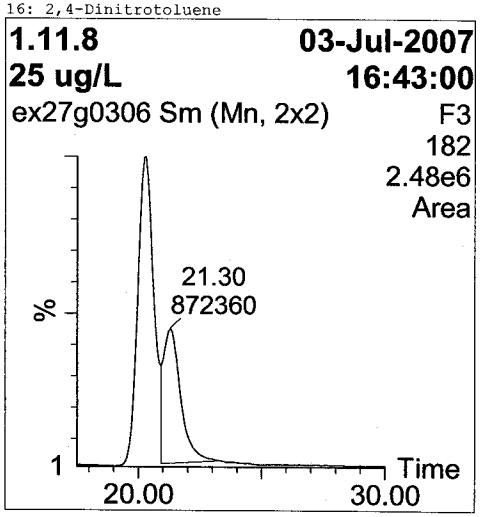


16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

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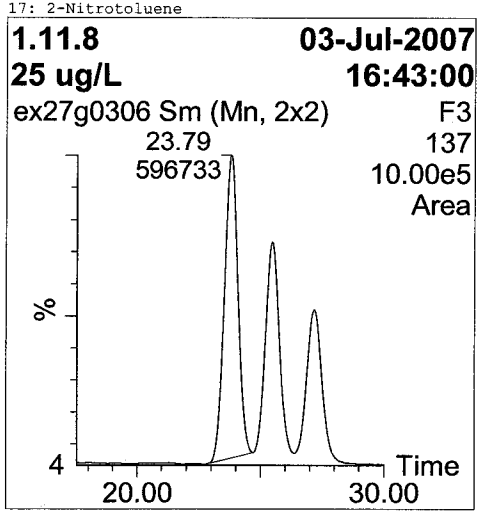
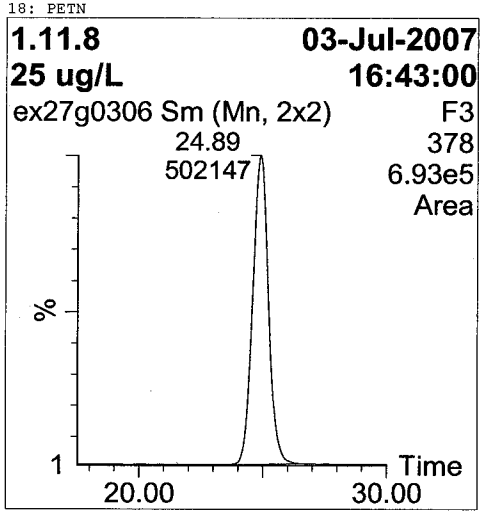
Name: ex27g0306
Text: 25 ug/L

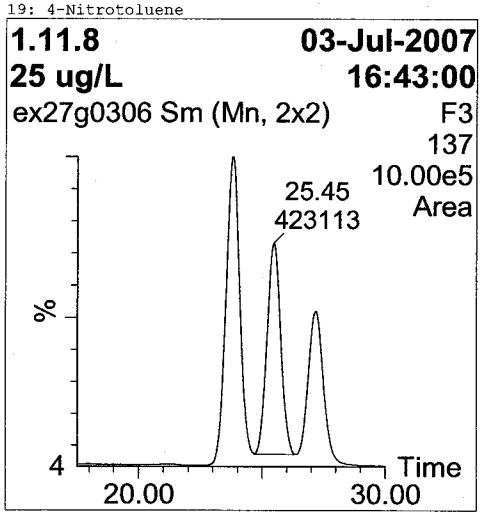
17: 2-Nitrotoluene



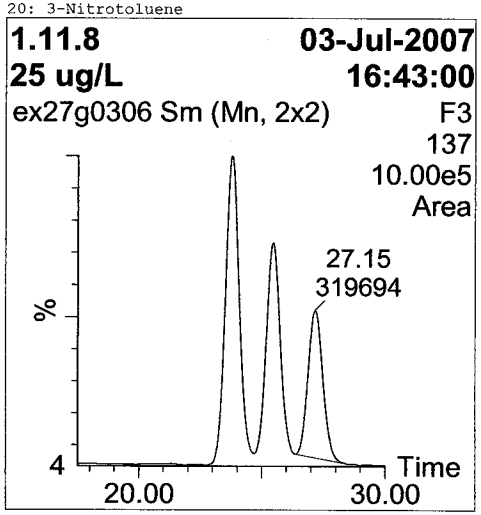
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
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2	RDX 13C-3 284 (IS)	9.66	8424712		8424712..	bb	1.065	106.49		
3	RDX	9.66	792962	8424712	0.094	bb	24.853	99.41		
4	1,3,5-Trinitrobenzene	12.40	405976	2531624	0.160	bb	24.904	99.62		
5	Tetryl	14.67	718642	2531624	0.284	dd	25.431	101.72		
6	Dinitrobenzene-d4 (IS)	14.75	2531624		2531623..	bb	1.004	100.37		
7	1,3-Dinitrobenzene	14.90	267129	2531624	0.106	bb	25.310	101.24		
8	Nitrobenzene-d5	15.87	360179	2531624	0.142	bb	24.133	96.53		
9	Nitroglycerin	15.97	52822	8424712	0.006	ds	27.004	108.02		
10	Nitrobenzene	16.17	378786	2531624	0.150	bb	24.098	96.39		
11	2,4,6-Trinitrotoluene	17.71	1168217	2531624	0.461	bs	25.137	100.55		
12	4-Amino-2,6-dinitrotoluene	18.77	743691	2531624	0.294	dd	24.839	99.36		
13	2-Amino-4,6-dinitrotoluene	20.21	535147	2531624	0.211	db	25.841	103.36		
14	2,6-Dinitrotoluene	20.31	1811698	7518948	0.241	bd	24.979	99.92		
15	2,4-Dinitrotoluene-d3	21.15	7518948		7518948..	ds	0.999	99.87		
16	2,4-Dinitrotoluene	21.30	872360	7518948	0.116	db	25.086	100.34		
17	2-Nitrotoluene	23.79	596733	7518948	0.079	bb	24.573	98.29		
18	PETN	24.89	502147	7518948	0.067	bb	27.765	111.06		
19	4-Nitrotoluene	25.45	423113	7518948	0.056	bb	24.562	98.25		
20	3-Nitrotoluene	27.15	319694	7518948	0.043	bb	24.763	99.05		

Analyst: Andrew Meyer

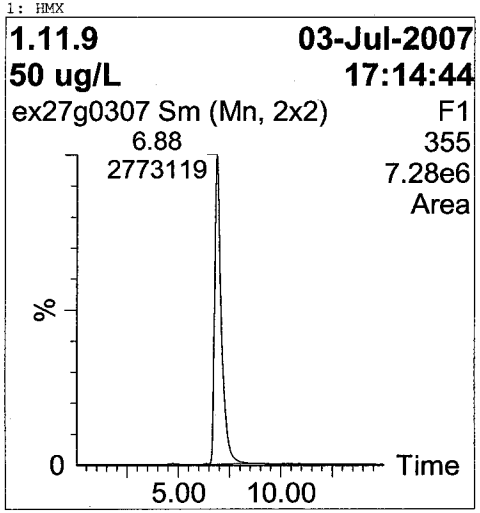
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

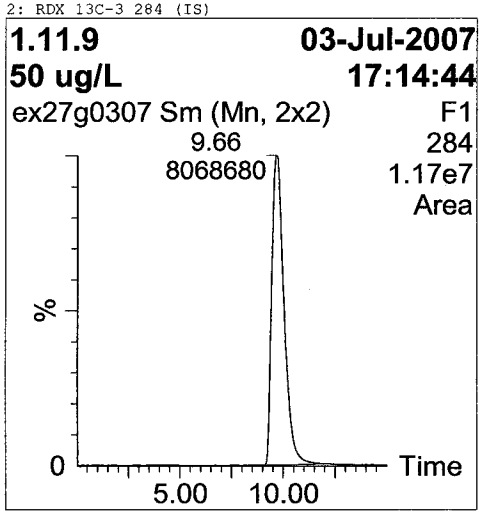
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0307
Text: 50 ug/L

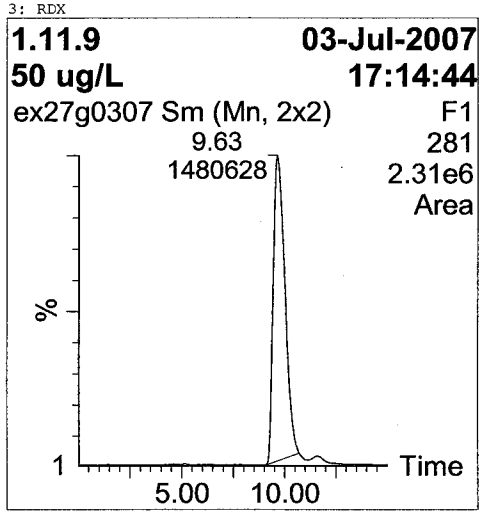
1: HMX



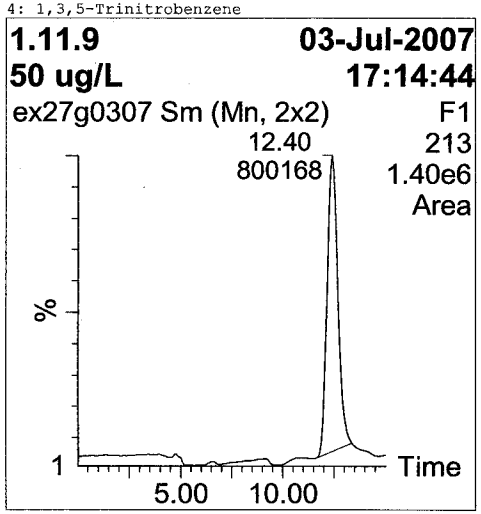
2: RDX 13C-3 284 (IS)



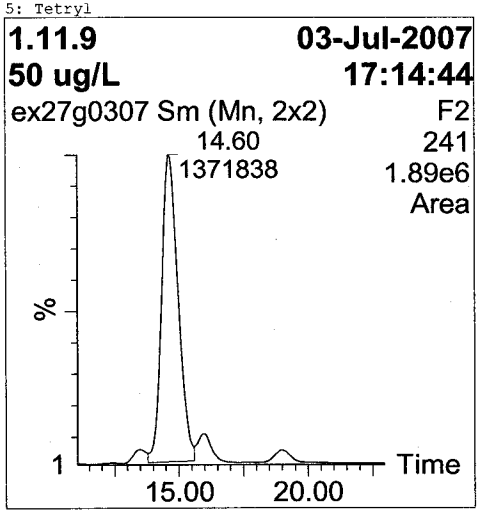
3: RDX



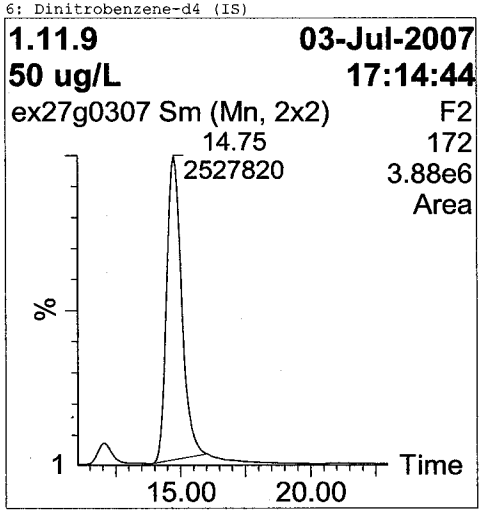
4: 1,3,5-Trinitrobenzene



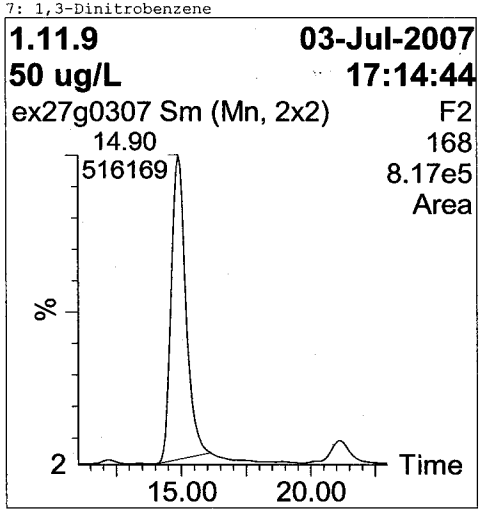
5: Tetryl



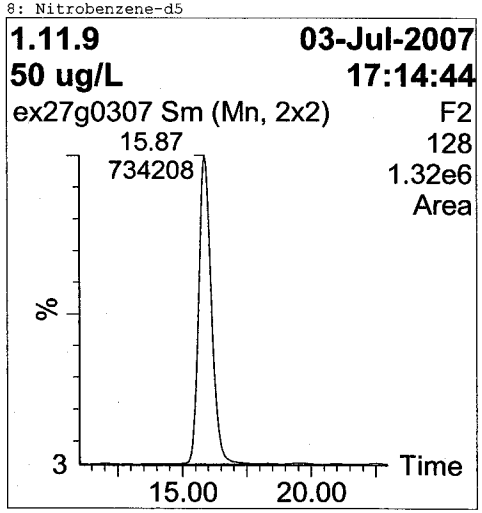
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

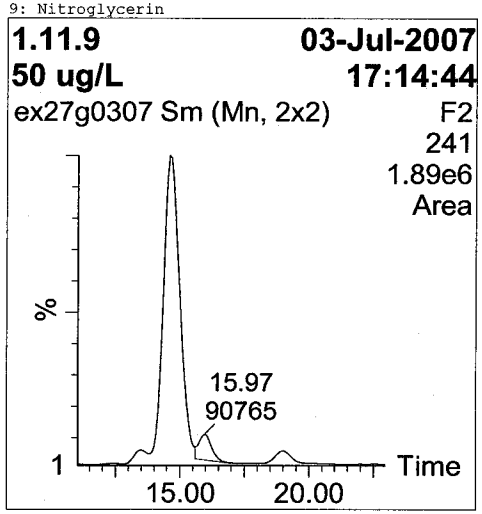
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

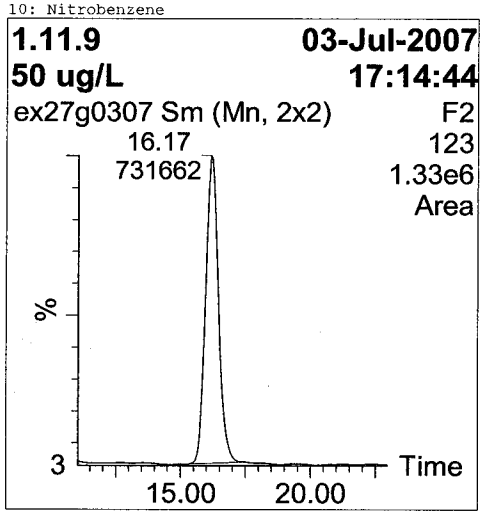
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0307
Text: 50 ug/L

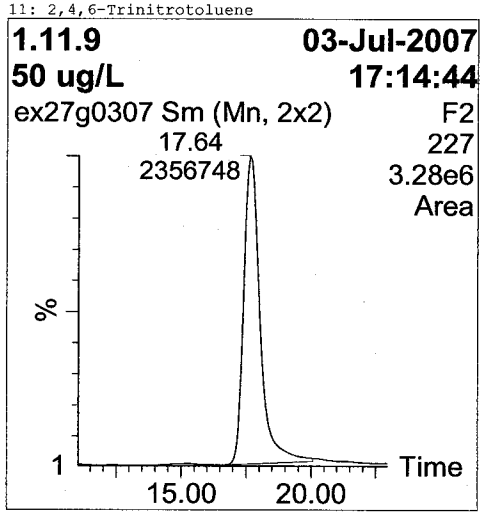
9: Nitroglycerin



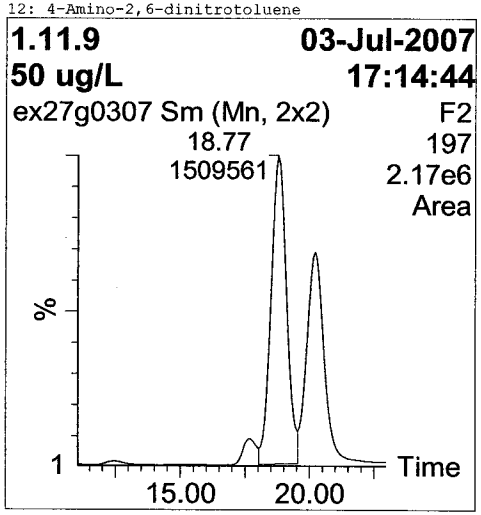
10: Nitrobenzene



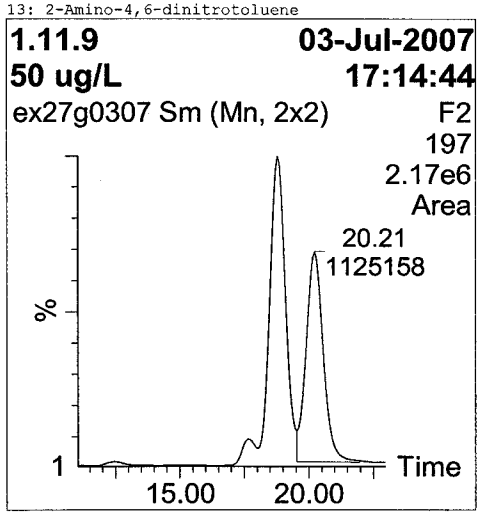
11: 2,4,6-Trinitrotoluene



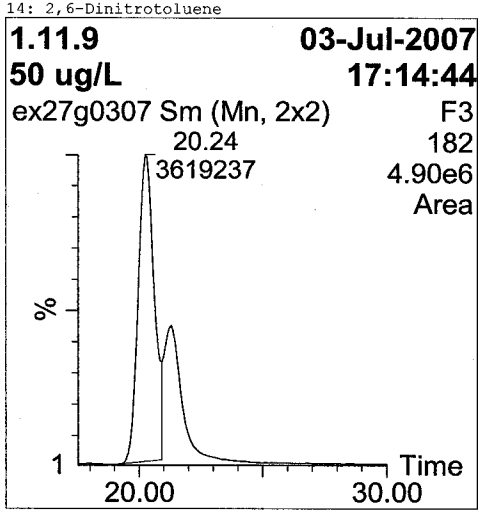
12: 4-Amino-2,6-dinitrotoluene



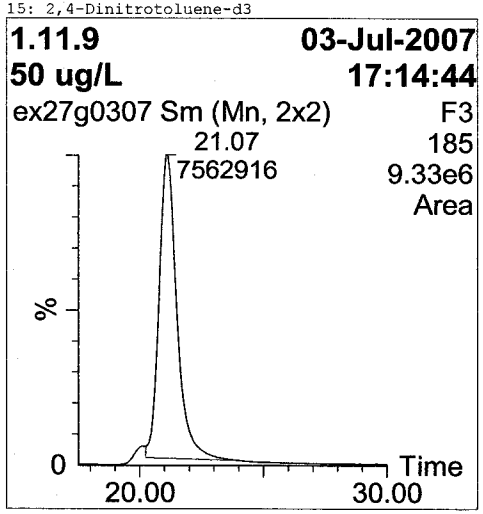
13: 2-Amino-4,6-dinitrotoluene



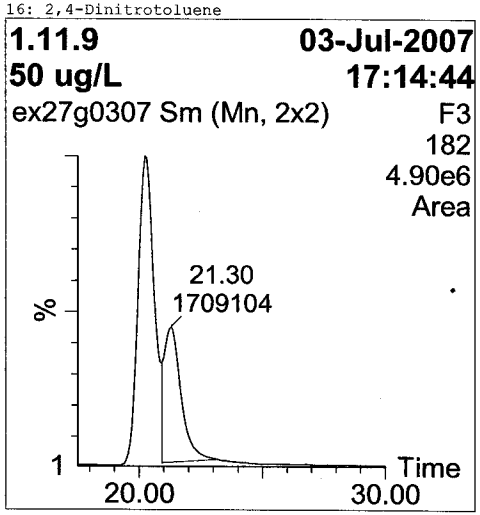
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

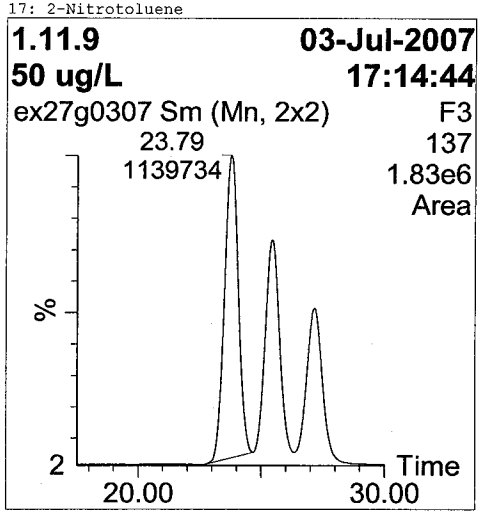
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

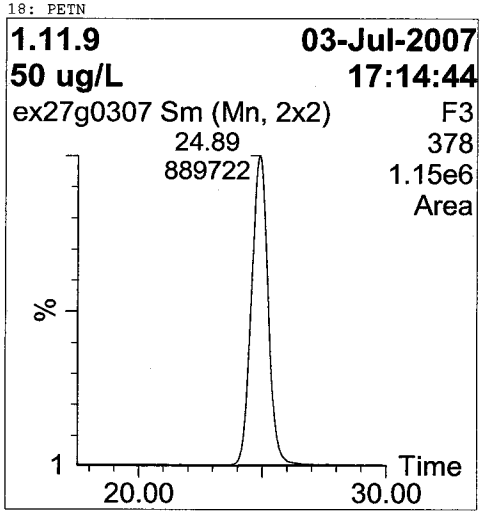
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0307
Text: 50 ug/L

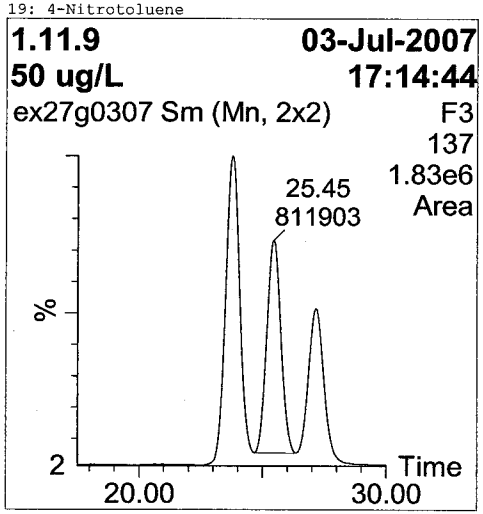
17: 2-Nitrotoluene



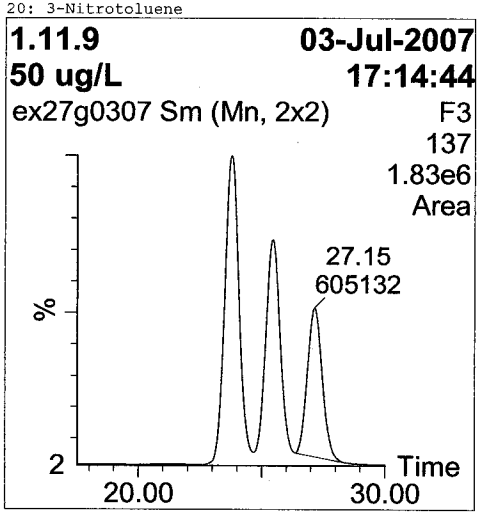
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
1	HMX	6.88	2773119	8068680	0.344	bb	52.660	105.32		
2	RDX 13C-3 284 (IS)	9.66	8068680		8068679..	bb	1.020	101.99		
3	RDX	9.63	1480628	8068680	0.184	bb	48.676	97.35		
4	1,3,5-Trinitrobenzene	12.40	800168	2527820	0.317	bb	49.644	99.29		
5	Tetryl	14.60	1371838	2527820	0.543	dd	50.257	100.51		
6	Dinitrobenzene-d4 (IS)	14.75	2527820		2527819..	bb	1.002	100.22		
7	1,3-Dinitrobenzene	14.90	516169	2527820	0.204	bb	48.842	97.68		
8	Nitrobenzene-d5	15.87	734208	2527820	0.290	bb	49.046	98.09		
9	Nitroglycerin	15.97	90765	8068680	0.011	db	50.223	100.45		
10	Nitrobenzene	16.17	731662	2527820	0.289	bb	46.118	92.24		
11	2,4,6-Trinitrotoluene	17.64	2356748	2527820	0.932	bs	49.817	99.63		
12	4-Amino-2,6-dinitrotoluene	18.77	1509561	2527820	0.597	dd	50.014	100.03		
13	2-Amino-4,6-dinitrotoluene	20.21	1125158	2527820	0.445	ds	54.976	109.95		
14	2,6-Dinitrotoluene	20.24	3619237	7562916	0.479	bd	49.199	98.40		
15	2,4-Dinitrotoluene-d3	21.07	7562916		7562916..	ds	1.004	100.45		
16	2,4-Dinitrotoluene	21.30	1709104	7562916	0.226	db	48.278	96.56		
17	2-Nitrotoluene	23.79	1139734	7562916	0.151	bb	46.364	92.73		
18	PETN	24.89	889722	7562916	0.118	bb	52.061	104.12		
19	4-Nitrotoluene	25.45	811903	7562916	0.107	bb	46.625	93.25		
20	3-Nitrotoluene	27.15	605132	7562916	0.080	bb	46.430	92.86		

Analyst: Andrew Meyer

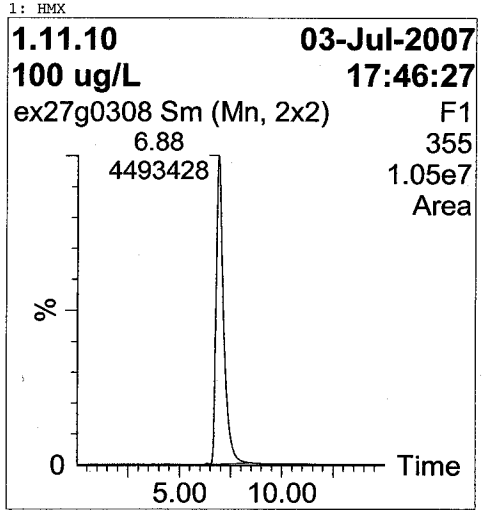
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

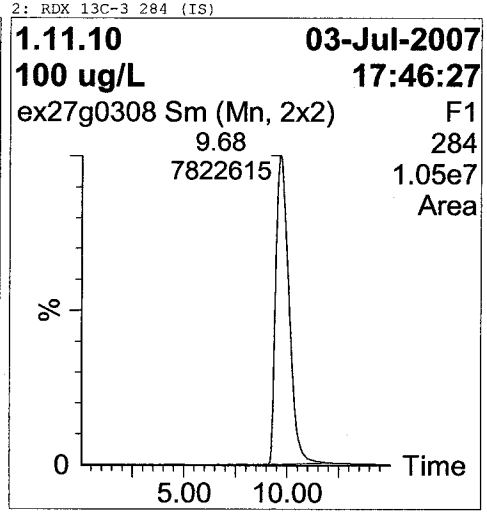
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0308
Text: 100 ug/L

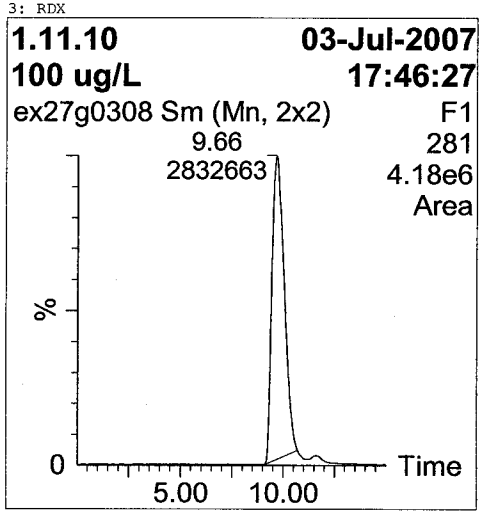
1: HMX



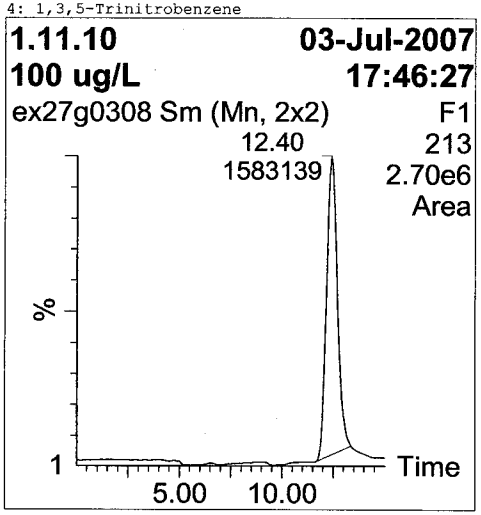
2: RDX 13C-3 284 (IS)



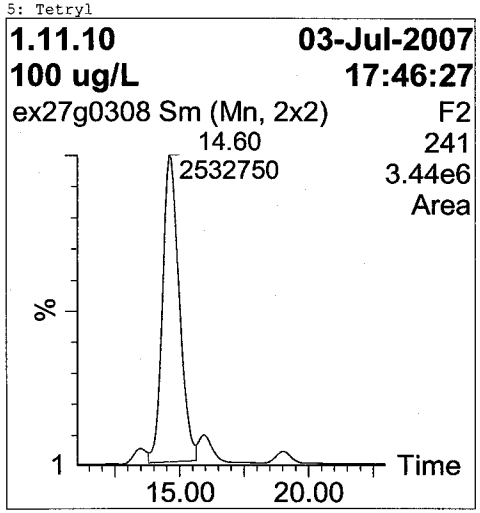
3: RDX



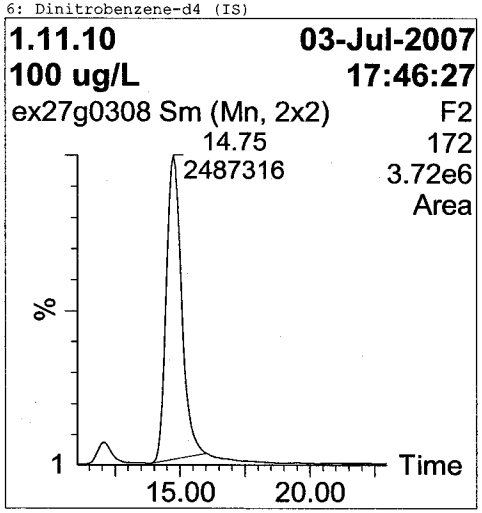
4: 1,3,5-Trinitrobenzene



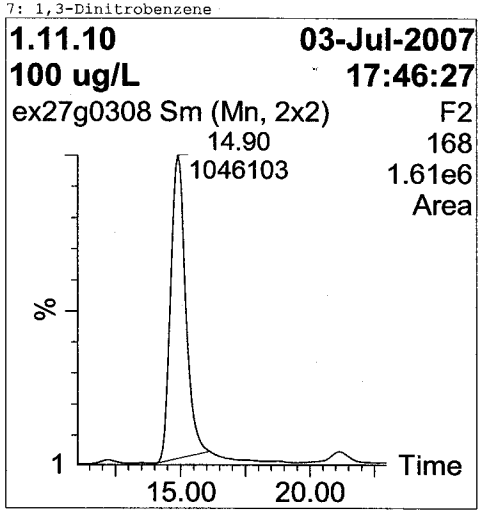
5: Tetryl



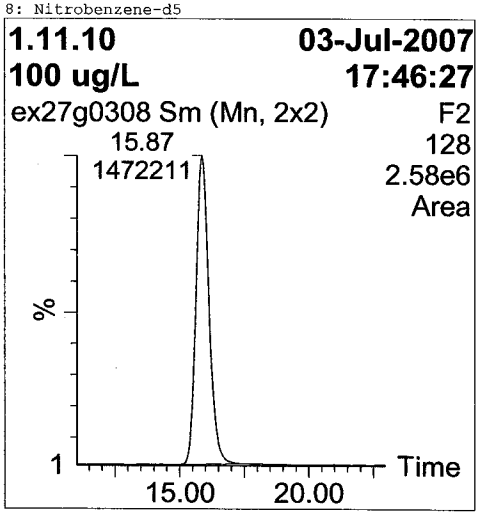
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

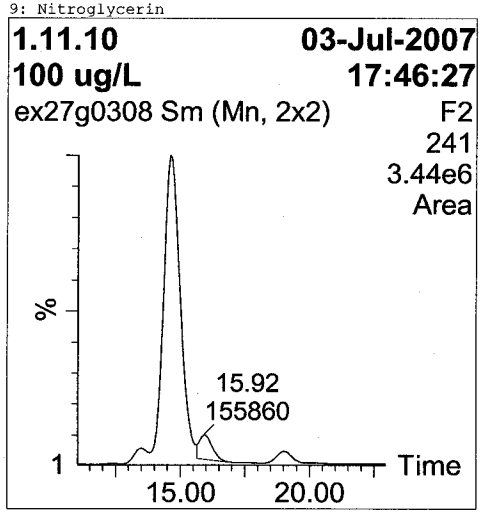
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

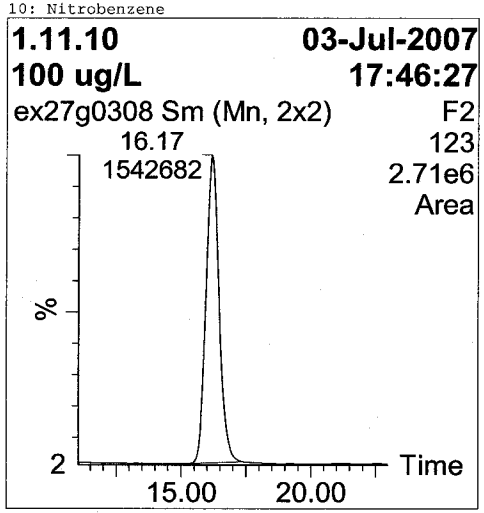
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0308
Text: 100 ug/L

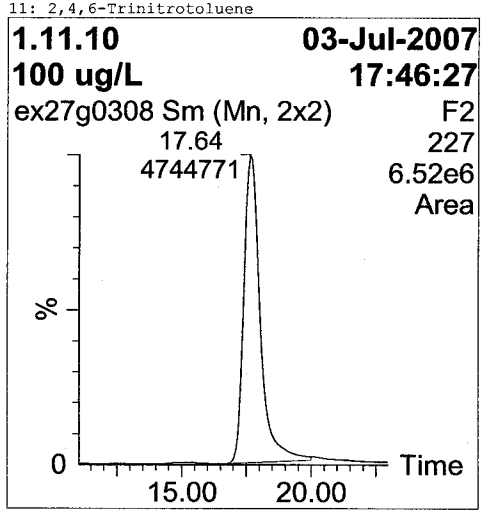
9: Nitroglycerin



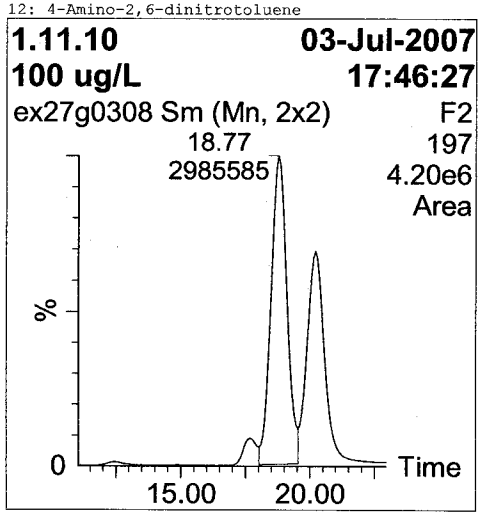
10: Nitrobenzene



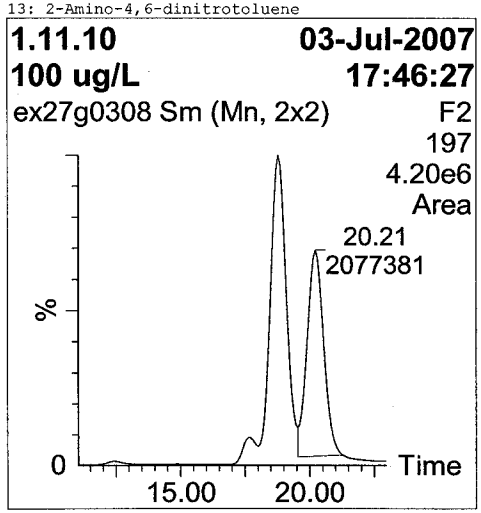
11: 2,4,6-Trinitrotoluene



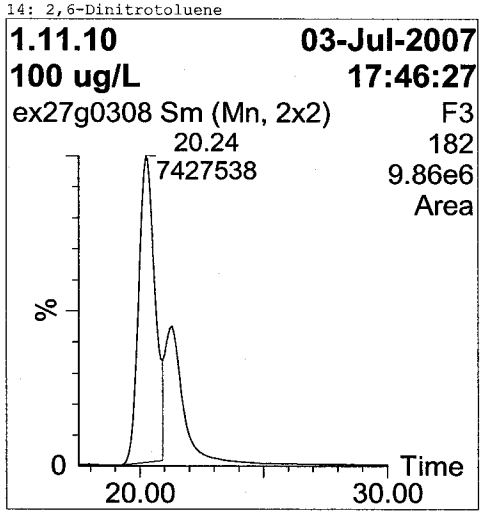
12: 4-Amino-2,6-dinitrotoluene



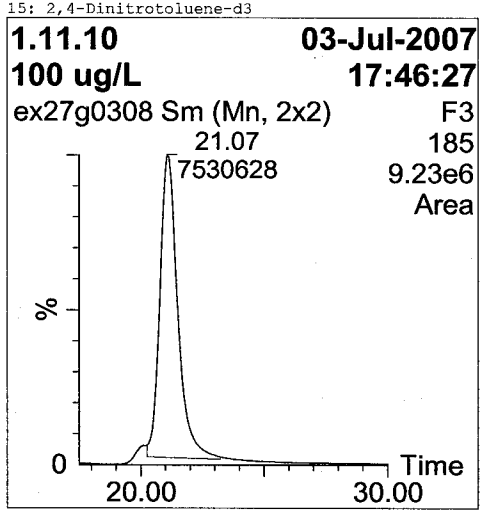
13: 2-Amino-4,6-dinitrotoluene



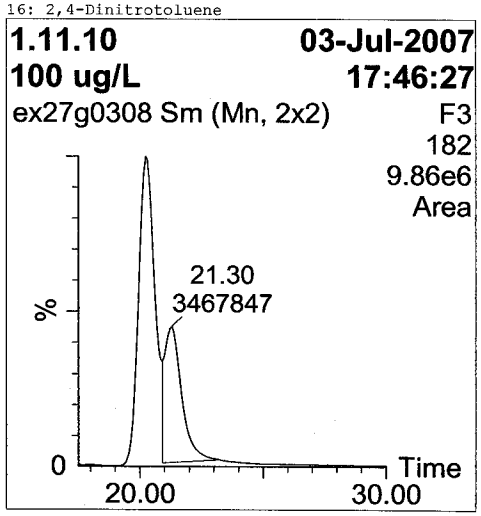
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

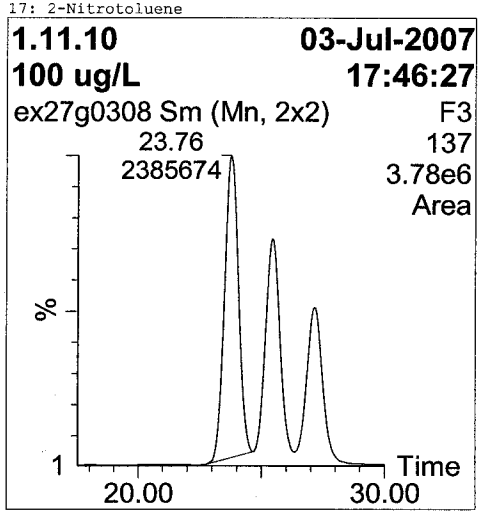
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

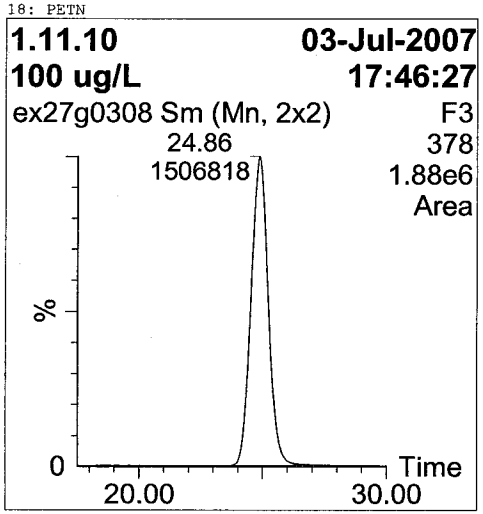
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0308
Text: 100 ug/L

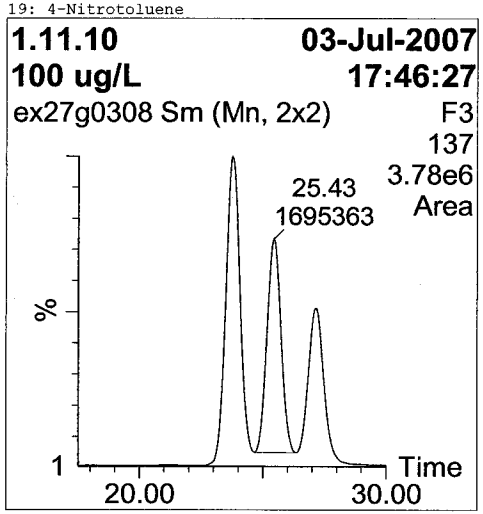
17: 2-Nitrotoluene



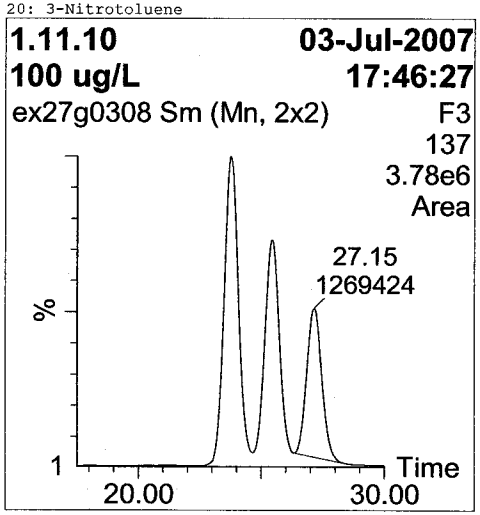
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
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2	RDX 13C-3 284 (IS)	9.68	7822615		7822615..	bb	0.989	98.88		
3	RDX	9.66	2832663	7822615	0.362	bb	99.253	99.25		
4	1,3,5-Trinitrobenzene	12.40	1583139	2487316	0.636	bb	100.324	100.32		
5	Tetryl	14.60	2532750	2487316	1.018	dd	98.337	98.34		
6	Dinitrobenzene-d4 (IS)	14.75	2487316		2487315..	bb	0.986	98.61		
7	1,3-Dinitrobenzene	14.90	1046103	2487316	0.421	bb	100.441	100.44		
8	Nitrobenzene-d5	15.87	1472211	2487316	0.592	bb	100.307	100.31		
9	Nitroglycerin	15.92	155860	7822615	0.020	db	94.507	94.51		
10	Nitrobenzene	16.17	1542682	2487316	0.620	bb	100.396	100.40		
11	2,4,6-Trinitrotoluene	17.64	4744771	2487316	1.908	bs	100.933	100.93		
12	4-Amino-2,6-dinitrotoluene	18.77	2985585	2487316	1.200	dd	100.057	100.06		
13	2-Amino-4,6-dinitrotoluene	20.21	2077381	2487316	0.835	db	103.602	103.60		
14	2,6-Dinitrotoluene	20.24	7427538	7530628	0.986	bd	100.957	100.96		
15	2,4-Dinitrotoluene-d3	21.07	7530628		7530627..	ds	1.000	100.02		
16	2,4-Dinitrotoluene	21.30	3467847	7530628	0.460	db	97.740	97.74		
17	2-Nitrotoluene	23.76	2385674	7530628	0.317	bb	99.043	99.04		
18	PETN	24.86	1506818	7530628	0.200	bb	96.394	96.39		
19	4-Nitrotoluene	25.43	1695363	7530628	0.225	bb	99.463	99.46		
20	3-Nitrotoluene	27.15	1269424	7530628	0.169	bb	99.438	99.44		

Analyst: Andrew Meyer

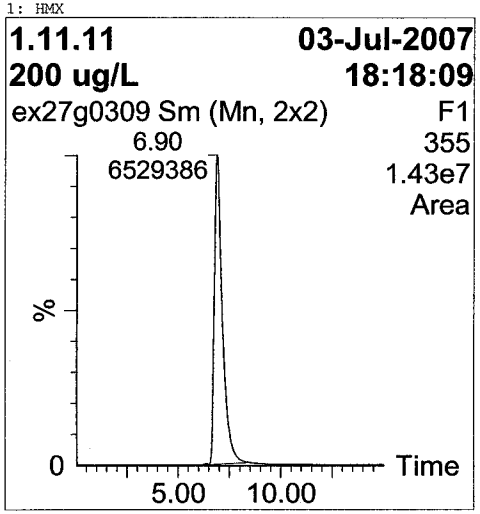
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

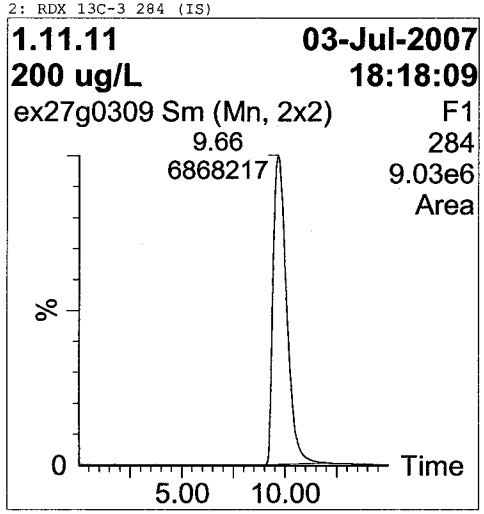
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0309
Text: 200 ug/L

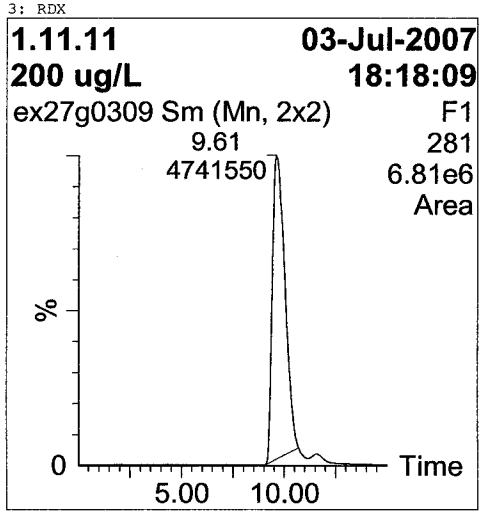
1: HMX



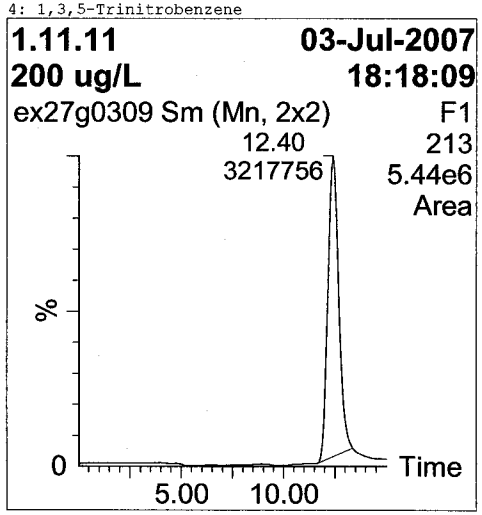
2: RDX 13C-3 284 (IS)



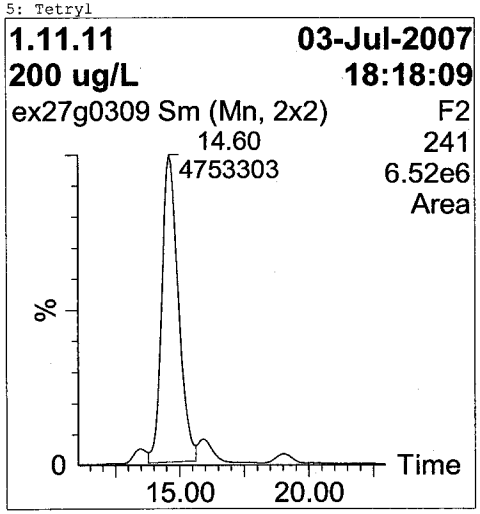
3: RDX



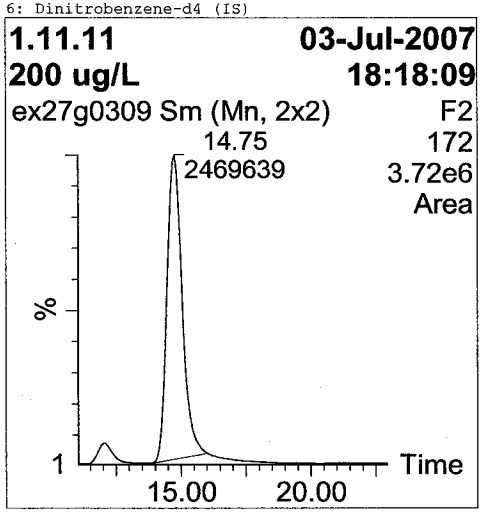
4: 1,3,5-Trinitrobenzene



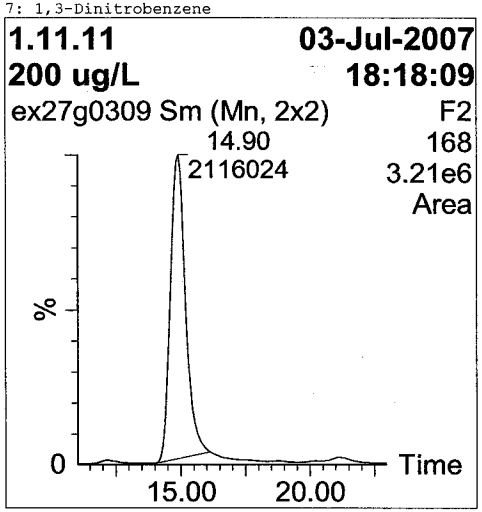
5: Tetryl



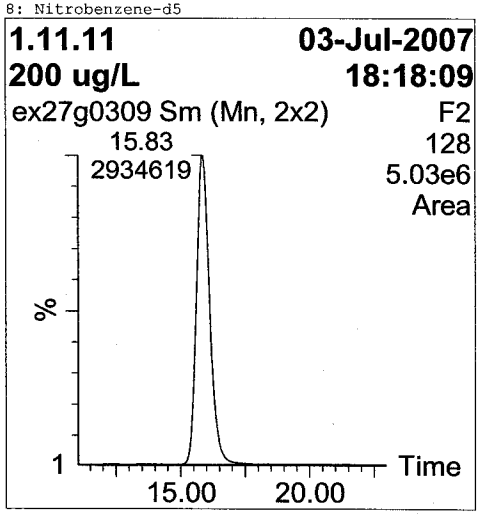
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

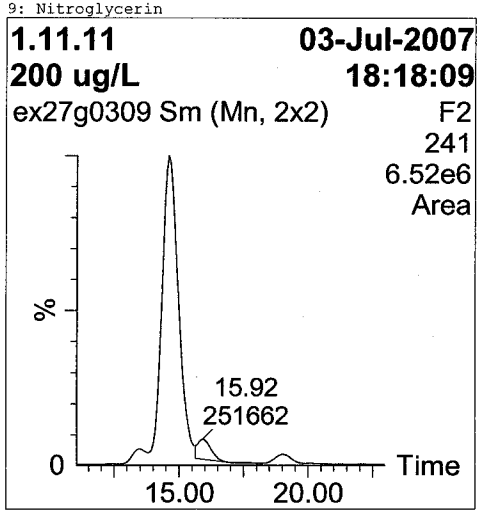
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

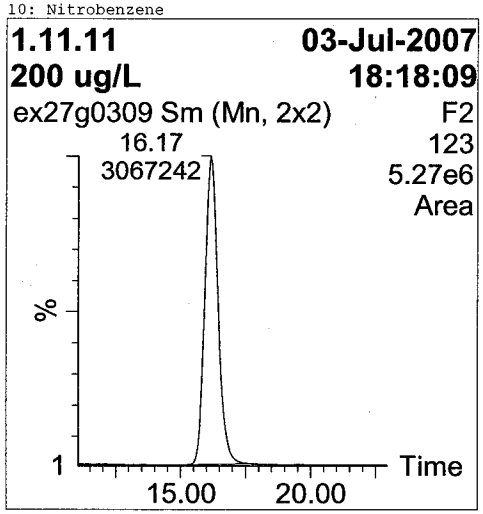
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0309
Text: 200 ug/L

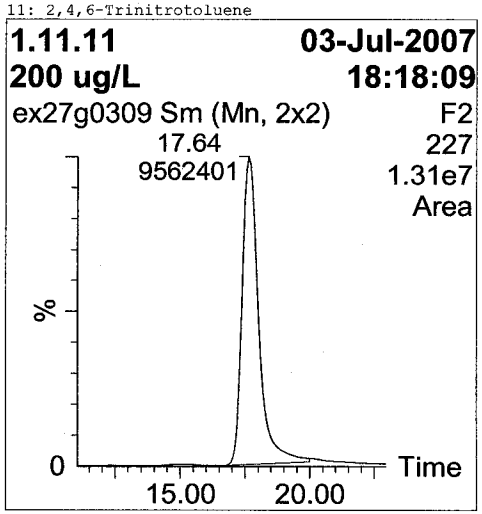
9: Nitroglycerin



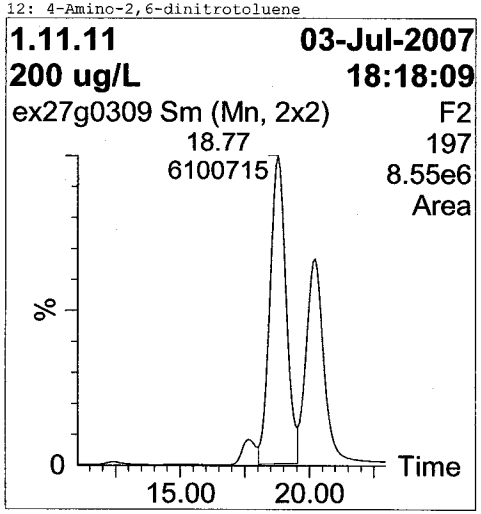
10: Nitrobenzene



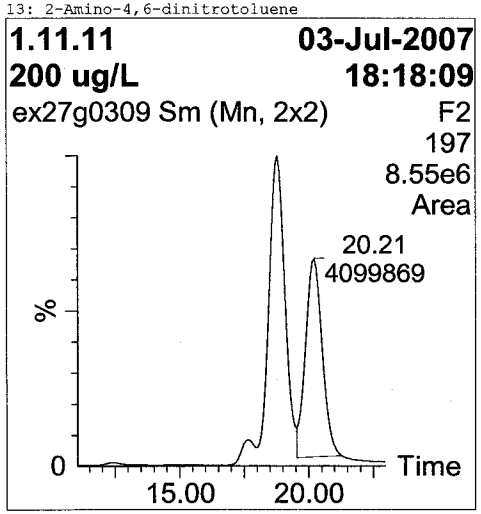
11: 2,4,6-Trinitrotoluene



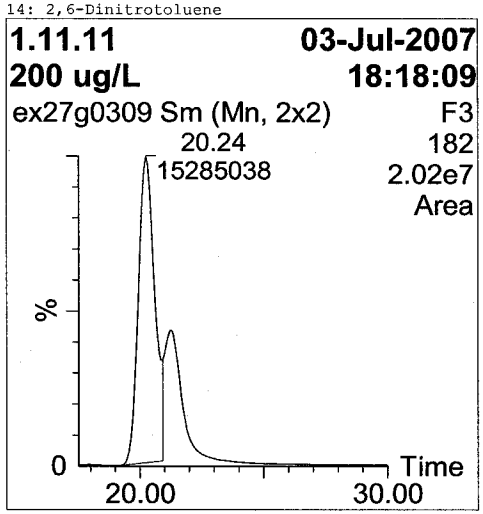
12: 4-Amino-2,6-dinitrotoluene



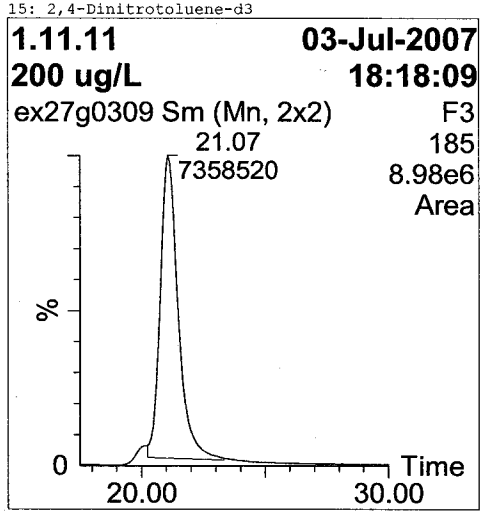
13: 2-Amino-4,6-dinitrotoluene



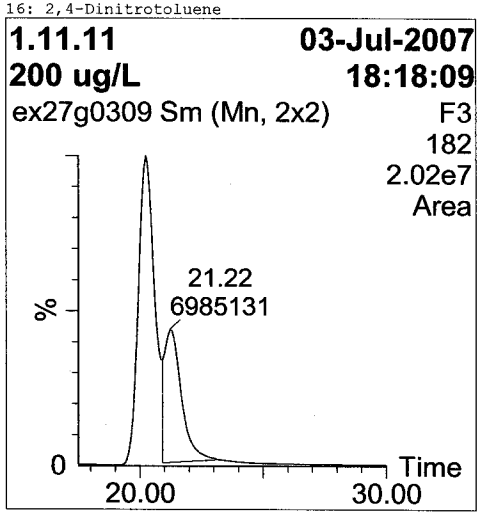
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

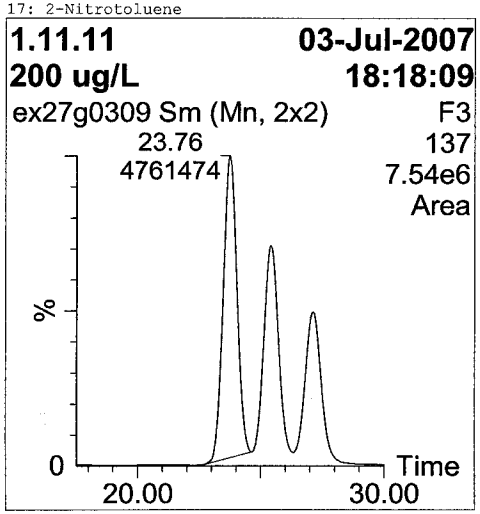
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

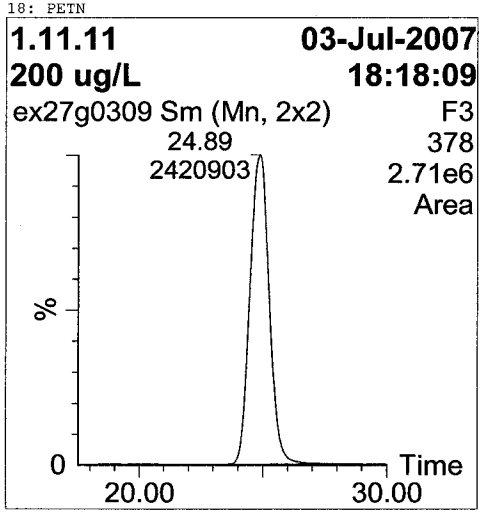
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0309
Text: 200 ug/L

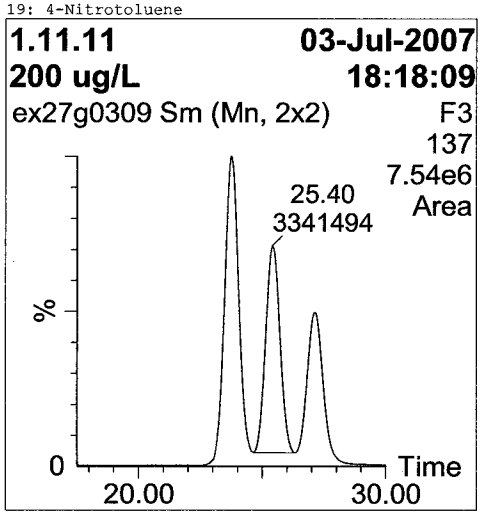
17: 2-Nitrotoluene



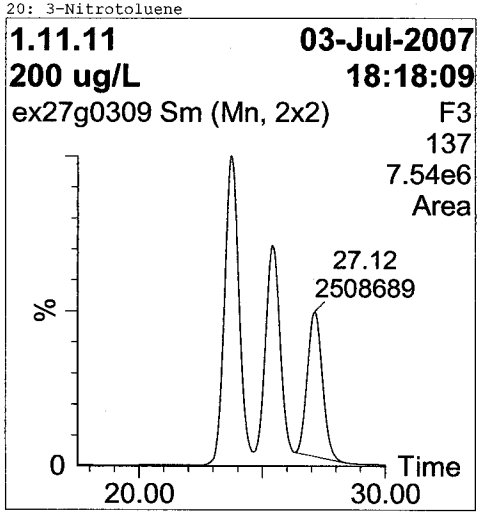
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
1	HMX	6.90	6529386	6868217	0.951	bb	187.814	93.91		
2	RDX 13C-3 284 (IS)	9.66	6868217		6868217..	bb	0.868	86.81		
3	RDX	9.61	4741550	6868217	0.690	bb	206.385	103.19		
4	1,3,5-Trinitrobenzene	12.40	3217756	2469639	1.303	bb	205.890	102.94		
5	Tetryl	14.60	4753303	2469639	1.925	dd	201.539	100.77		
6	Dinitrobenzene-d4 (IS)	14.75	2469639		2469639..	bb	0.979	97.91		
7	1,3-Dinitrobenzene	14.90	2116024	2469639	0.857	bb	204.471	102.24		
8	Nitrobenzene-d5	15.83	2934619	2469639	1.188	bb	204.147	102.07		
9	Nitroglycerin	15.92	251662	6868217	0.037	db	203.121	101.56		
10	Nitrobenzene	16.17	3067242	2469639	1.242	bb	212.706	106.35		
11	2,4,6-Trinitrotoluene	17.64	9562401	2469639	3.872	bs	203.891	101.95		
12	4-Amino-2,6-dinitrotoluene	18.77	6100715	2469639	2.470	dd	205.425	102.71		
13	2-Amino-4,6-dinitrotoluene	20.21	4099869	2469639	1.660	db	206.434	103.22		
14	2,6-Dinitrotoluene	20.24	15285038	7358520	2.077	bd	212.154	106.08		
15	2,4-Dinitrotoluene-d3	21.07	7358520		7358519..	ds	0.977	97.73		
16	2,4-Dinitrotoluene	21.22	6985131	7358520	0.949	db	200.824	100.41		
17	2-Nitrotoluene	23.76	4761474	7358520	0.647	bb	213.636	106.82		
18	PETN	24.89	2420903	7358520	0.329	bb	188.843	94.42		
19	4-Nitrotoluene	25.40	3341494	7358520	0.454	bb	211.767	105.88		
20	3-Nitrotoluene	27.12	2508689	7358520	0.341	bb	211.479	105.74		

Analyst: Andrew Meyer

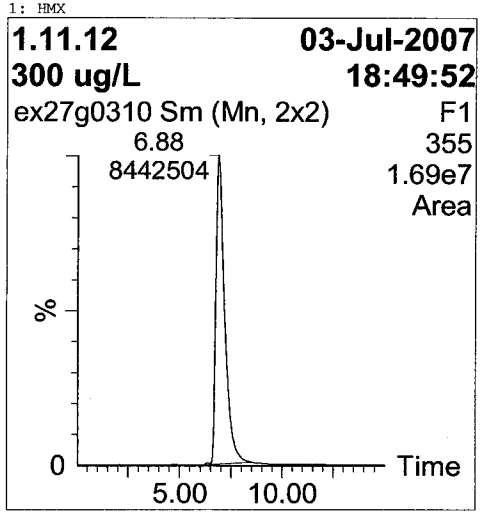
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

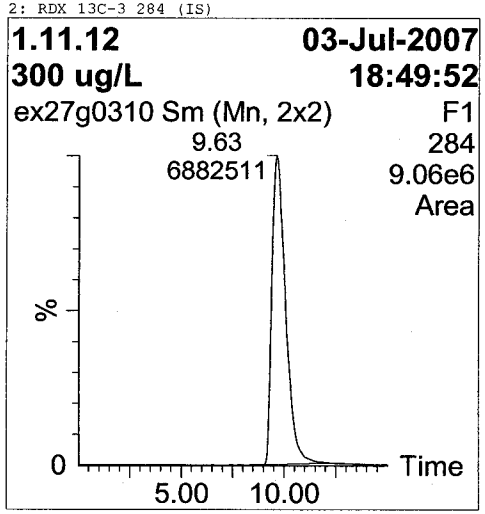
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0310
Text: 300 ug/L

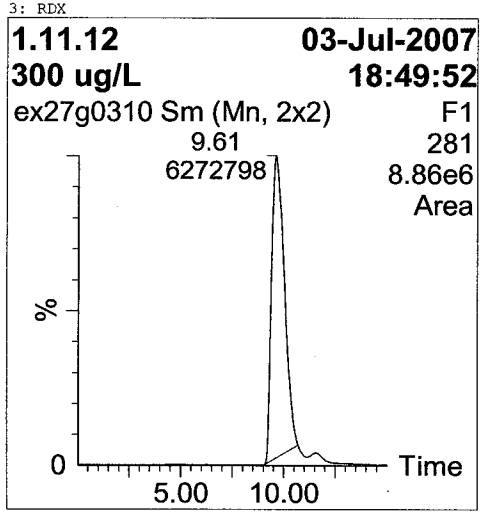
1: HMX



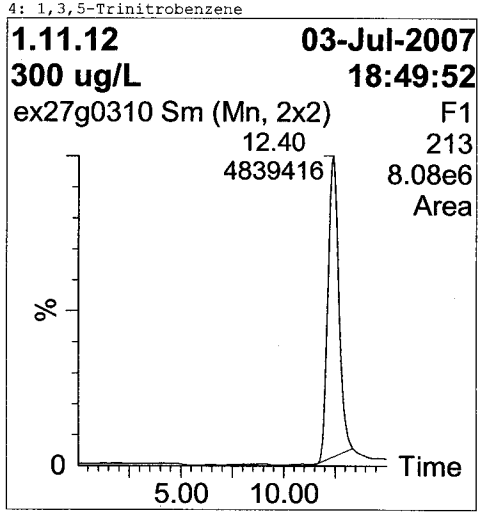
2: RDX 13C-3 284 (IS)



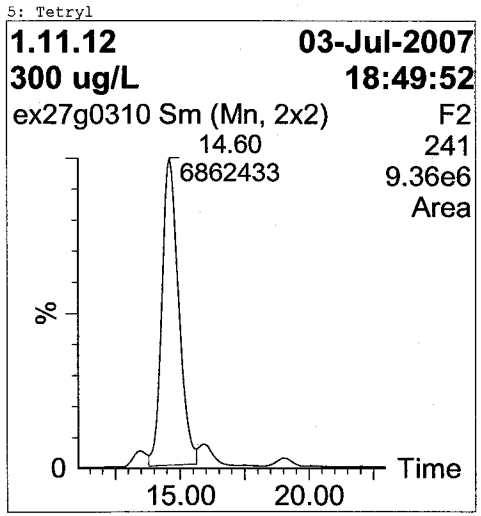
3: RDX



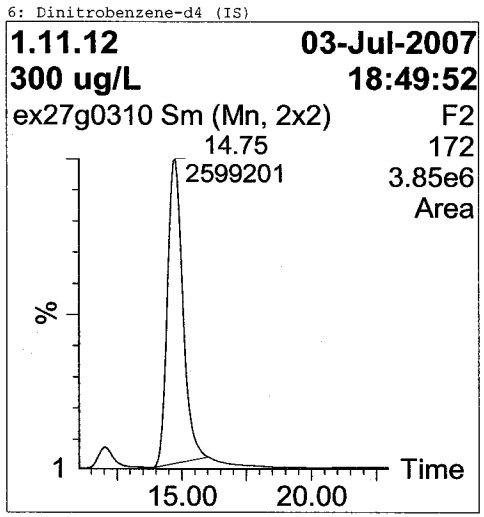
4: 1,3,5-Trinitrobenzene



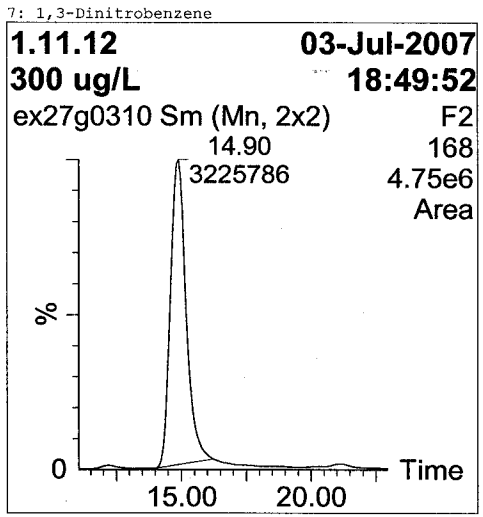
5: Tetryl



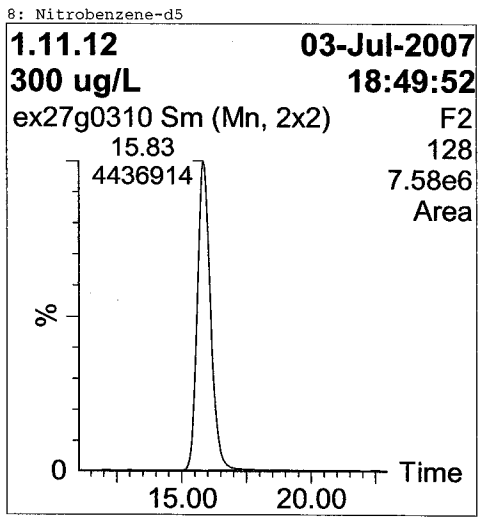
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

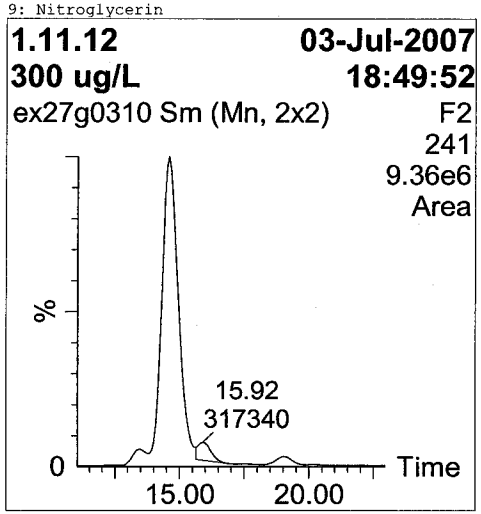
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

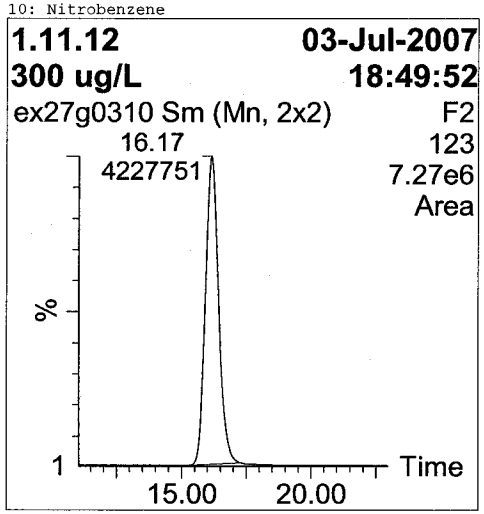
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0310
Text: 300 ug/L

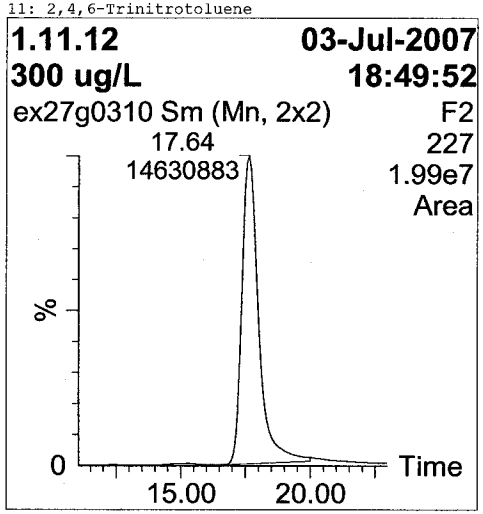
9: Nitroglycerin



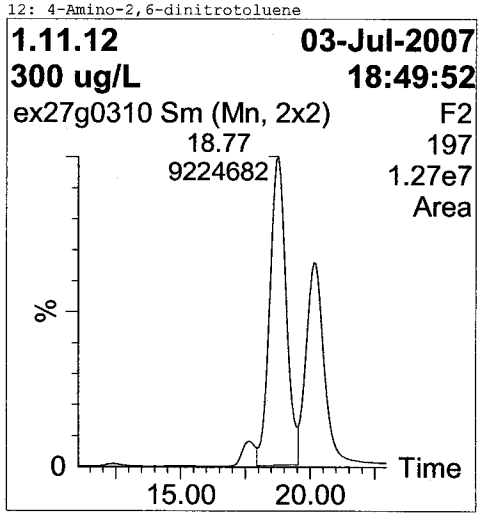
10: Nitrobenzene



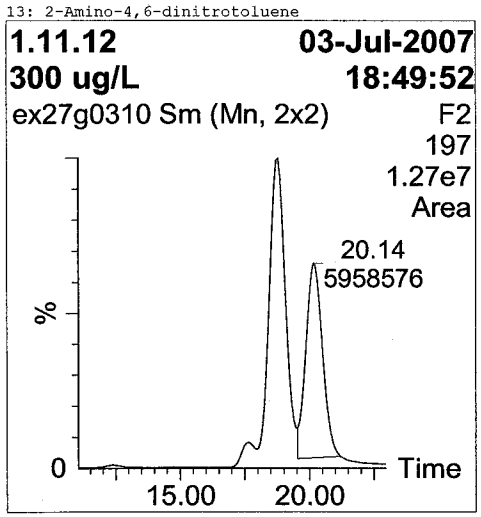
11: 2,4,6-Trinitrotoluene



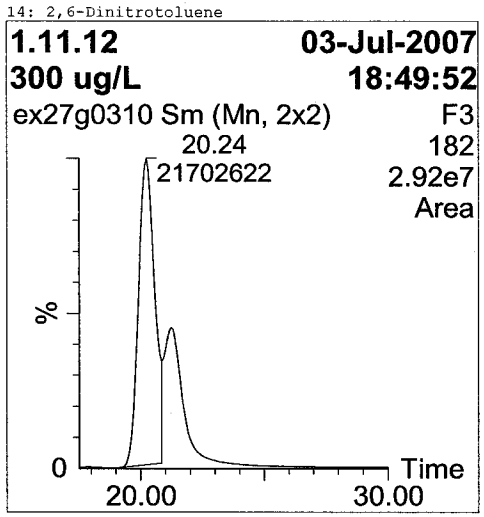
12: 4-Amino-2,6-dinitrotoluene



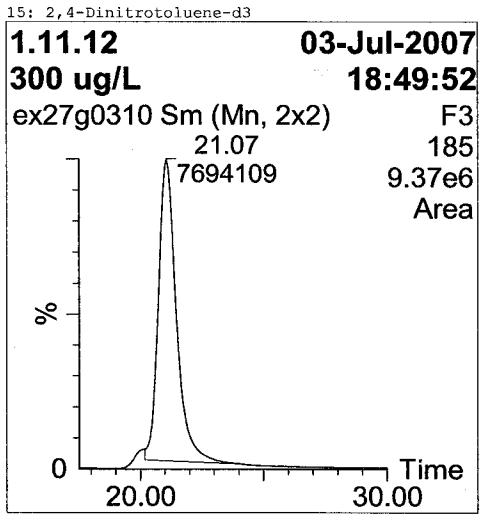
13: 2-Amino-4,6-dinitrotoluene



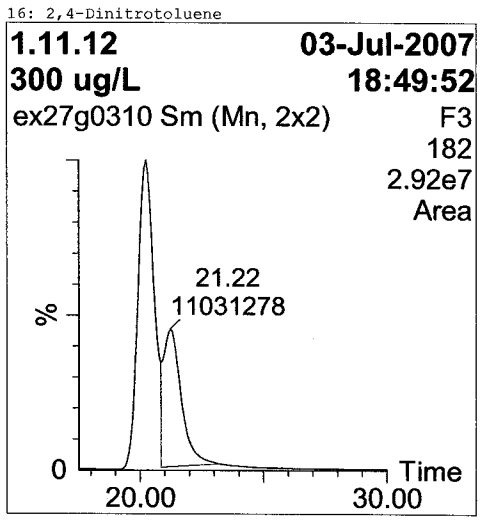
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

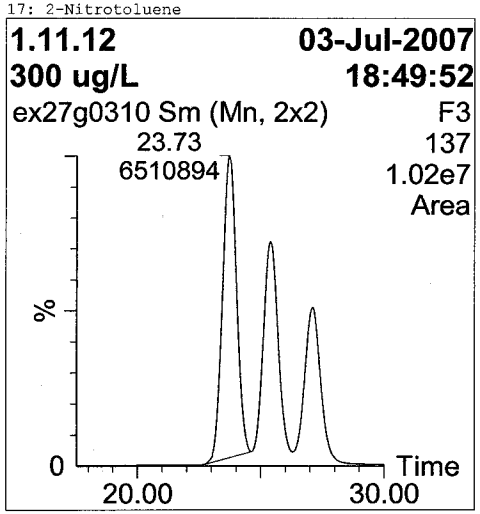
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

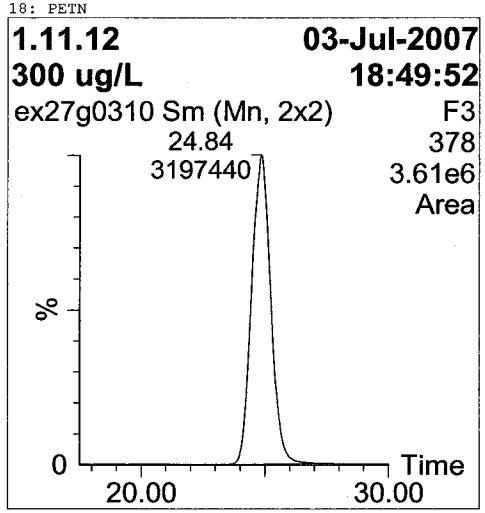
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0310
Text: 300 ug/L

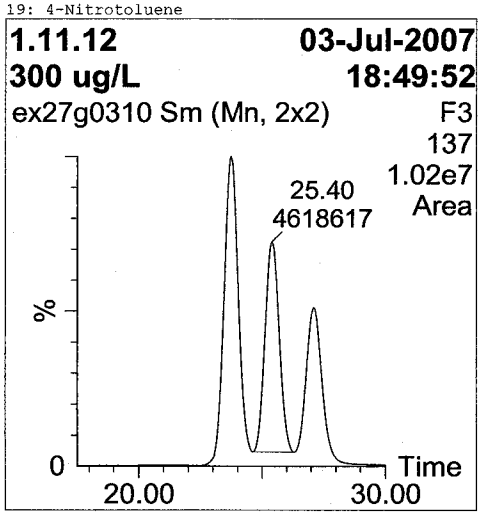
17: 2-Nitrotoluene



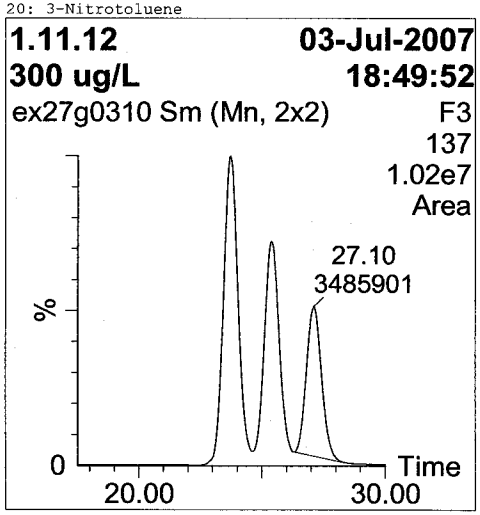
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX	9.61	6272798	6882511	0.911	bb	295.431	98.48		
4	1,3,5-Trinitrobenzene	12.40	4839416	2599201	1.862	bb	294.431	98.14		
5	Tetryl	14.60	6862433	2599201	2.640	dd	299.421	99.81		
6	Dinitrobenzene-d4 (IS)	14.75	2599201		2599200..	bb	1.030	103.05		
7	1,3-Dinitrobenzene	14.90	3225786	2599201	1.241	bb	296.103	98.70		
8	Nitrobenzene-d5	15.82	4436914	2599201	1.707	bb	297.294	99.10		
9	Nitroglycerin	15.92	317340	6882511	0.046	db	300.314	100.10		
10	Nitrobenzene	16.17	4227751	2599201	1.627	bb	291.241	97.08		
11	2,4,6-Trinitrotoluene	17.64	14630883	2599201	5.629	bs	295.980	98.66		
12	4-Amino-2,6-dinitrotoluene	18.77	9224682	2599201	3.549	dd	294.929	98.31		
13	2-Amino-4,6-dinitrotoluene	20.14	5958576	2599201	2.292	db	285.261	95.09		
14	2,6-Dinitrotoluene	20.24	21702622	7694109	2.821	bd	287.941	95.98		
15	2,4-Dinitrotoluene-d3	21.07	7694109		7694109..	ds	1.022	102.19		
16	2,4-Dinitrotoluene	21.22	11031278	7694109	1.434	db	303.004	101.00		
17	2-Nitrotoluene	23.73	6510894	7694109	0.846	bb	291.091	97.03		
18	PETN	24.83	3197440	7694109	0.416	bbI				
19	4-Nitrotoluene	25.40	4618617	7694109	0.600	bb	292.226	97.41		
20	3-Nitrotoluene	27.10	3485901	7694109	0.453	bb	292.528	97.51		

Analyst: Andrew Meyer

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Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0311
Text: blank

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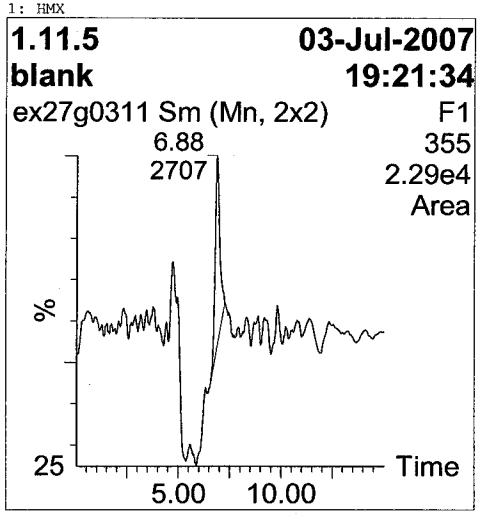
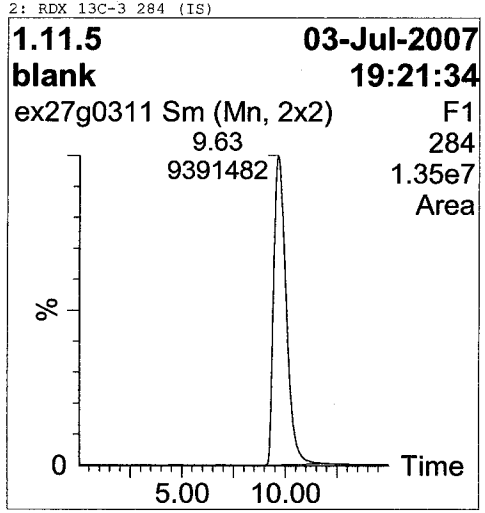
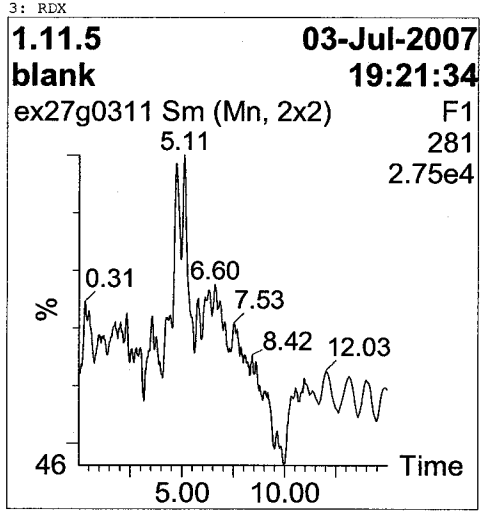


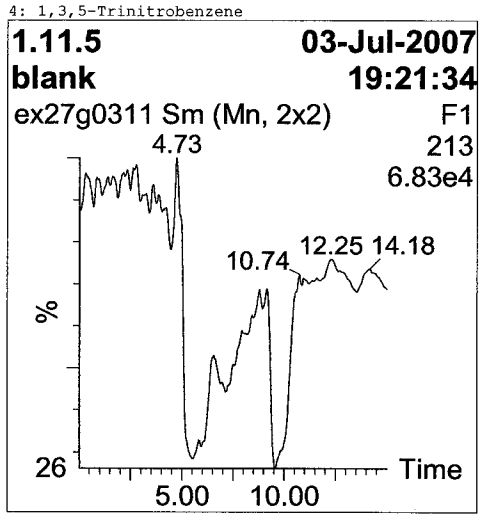
2: RDX 13C-3 284 (IS)



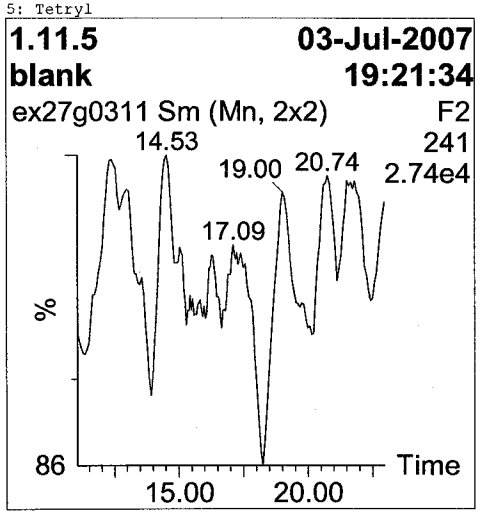
3: RDX



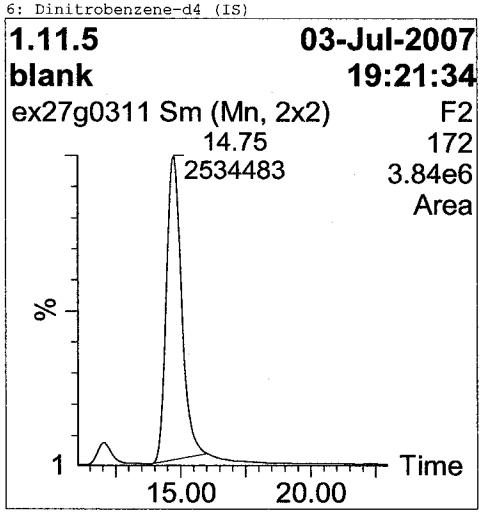
4: 1,3,5-Trinitrobenzene



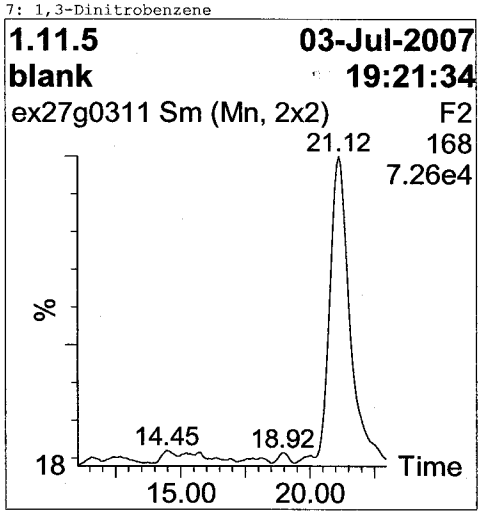
5: Tetryl



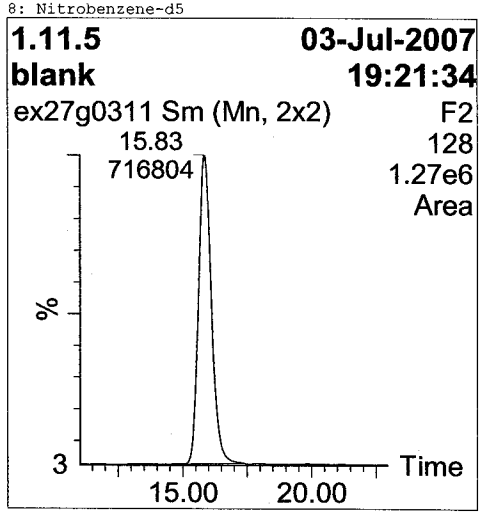
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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Last modified: Thu Jul 05 08:40:10 2007
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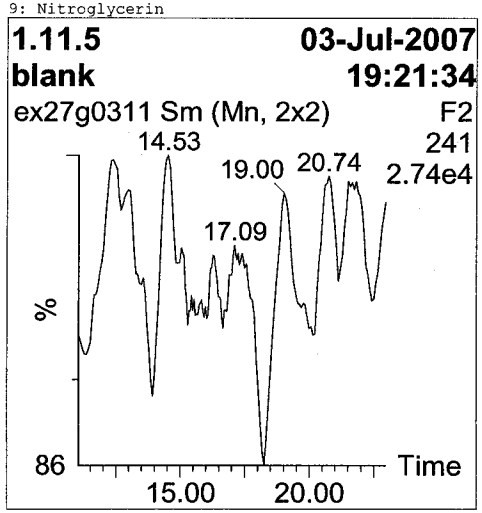
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0311
Text: blank

9: Nitroglycerin



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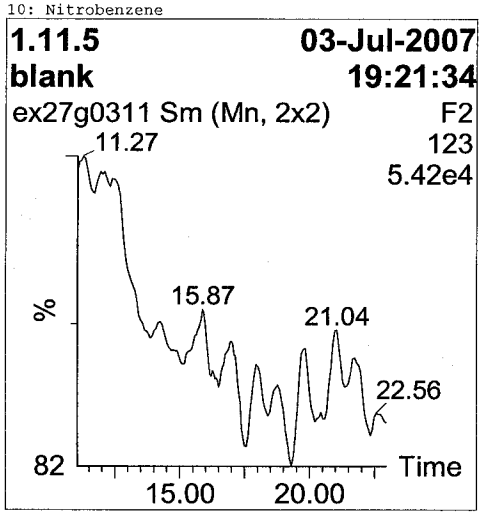
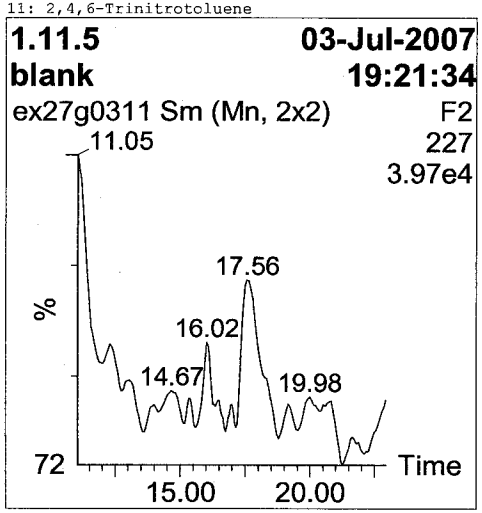
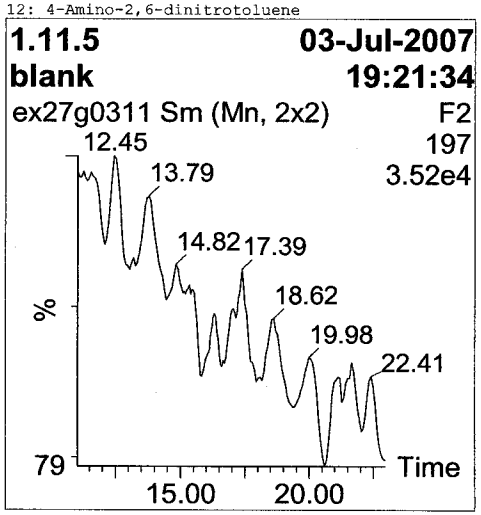


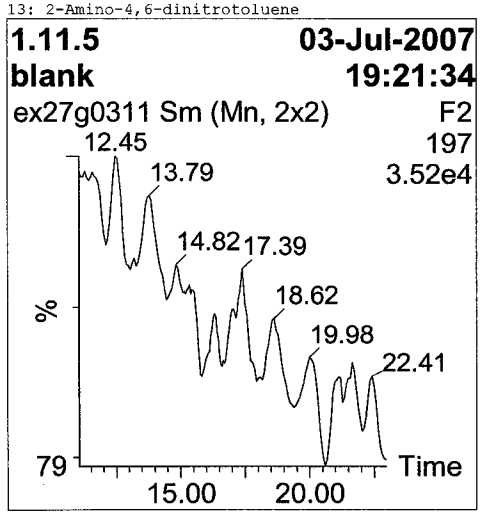
11: 2,4,6-Trinitrotoluene



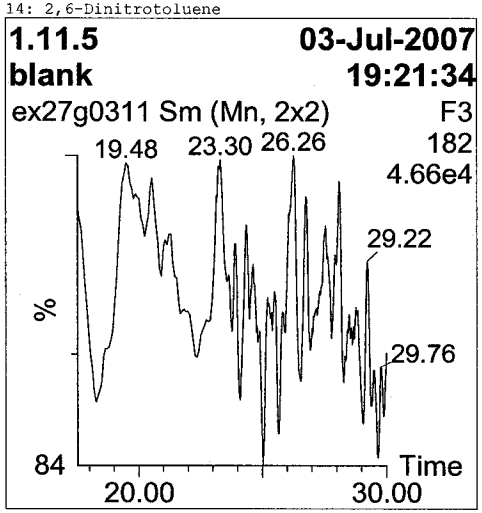
12: 4-Amino-2,6-dinitrotoluene



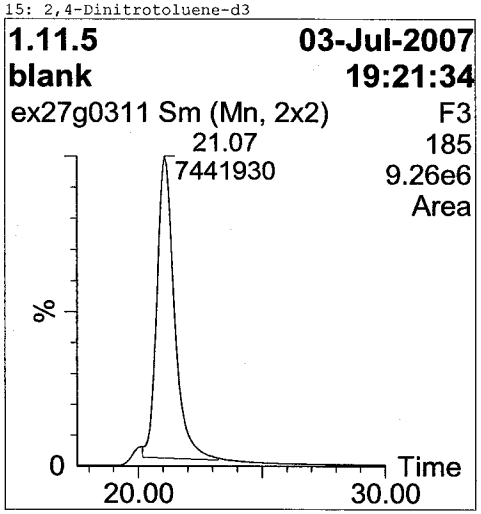
13: 2-Amino-4,6-dinitrotoluene



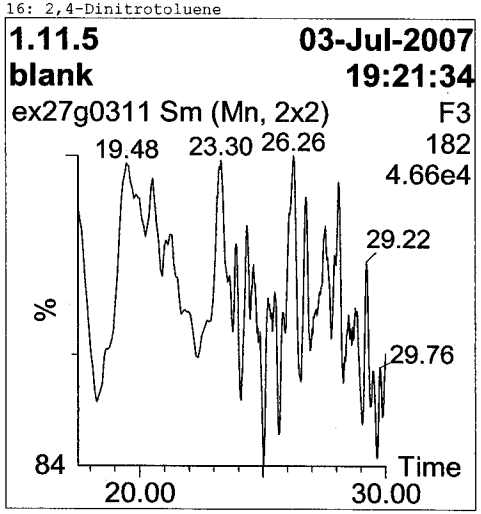
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

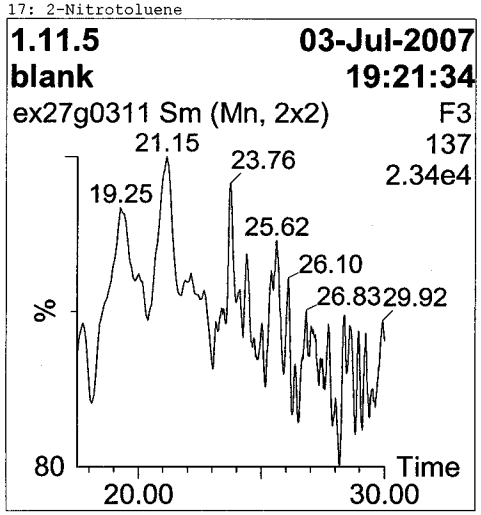
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

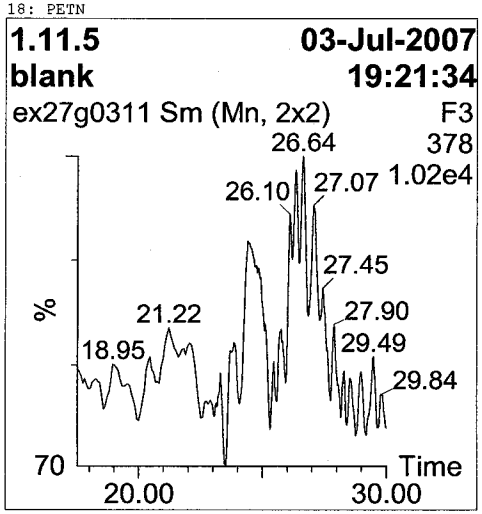
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0311
Text: blank

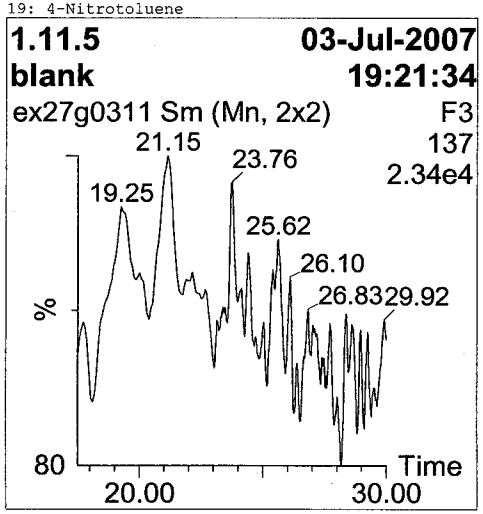
17: 2-Nitrotoluene



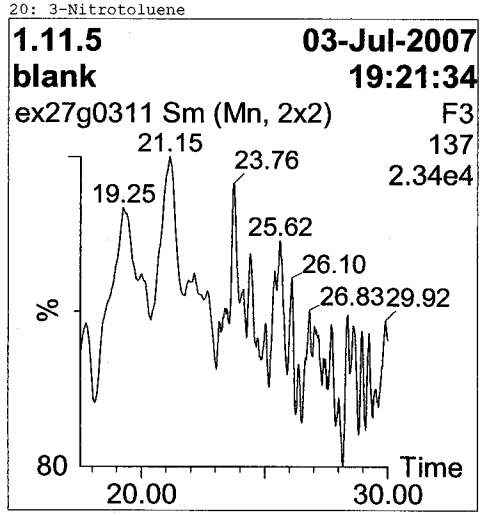
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			9391482						
4	1,3,5-Trinitrobenzene			2534483						
5	Tetryl			2534483						
6	Dinitrobenzene-d4 (IS)	14.75	2534483		2534482..	bb	1.005	100.48		
7	1,3-Dinitrobenzene			2534483						
8	Nitrobenzene-d5	15.83	716804	2534483	0.283	bb	47.759	95.52		
9	Nitroglycerin			9391482						
10	Nitrobenzene			2534483						
11	2,4,6-Trinitrotoluene			2534483						
12	4-Amino-2,6-dinitrotoluene			2534483						
13	2-Amino-4,6-dinitrotoluene			2534483						
14	2,6-Dinitrotoluene			7441930						
15	2,4-Dinitrotoluene-d3	21.07	7441930		7441929..	ds	0.988	98.84		
16	2,4-Dinitrotoluene			7441930						
17	2-Nitrotoluene			7441930						
18	PETN			7441930						
19	4-Nitrotoluene			7441930						
20	3-Nitrotoluene			7441930						

Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

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Text: ICV 100 ug/L

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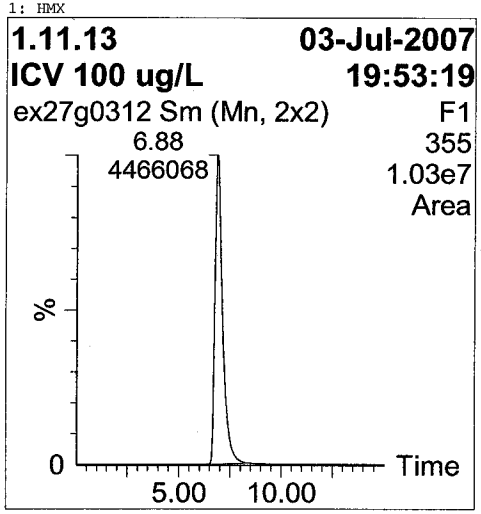

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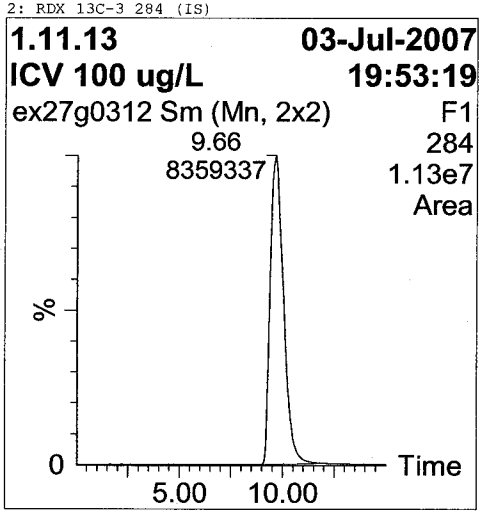
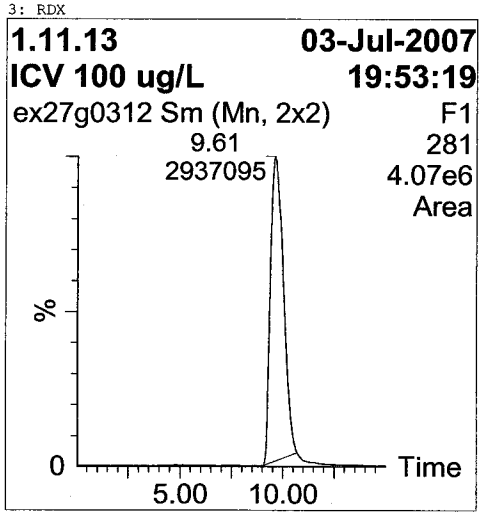
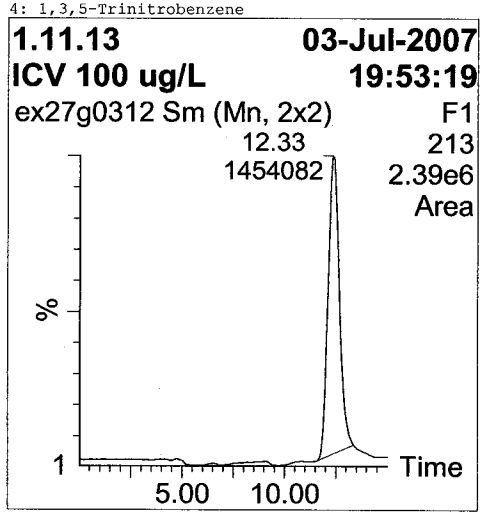


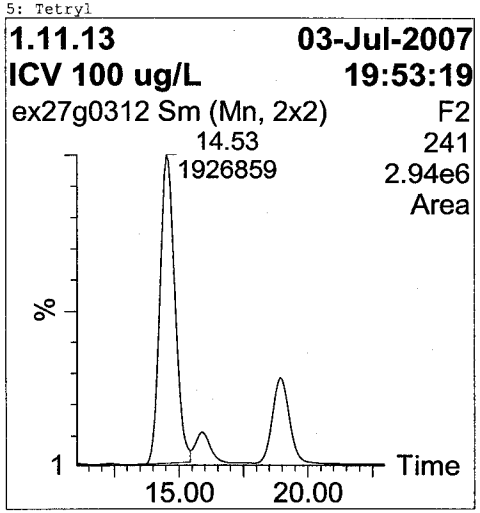
3: RDX



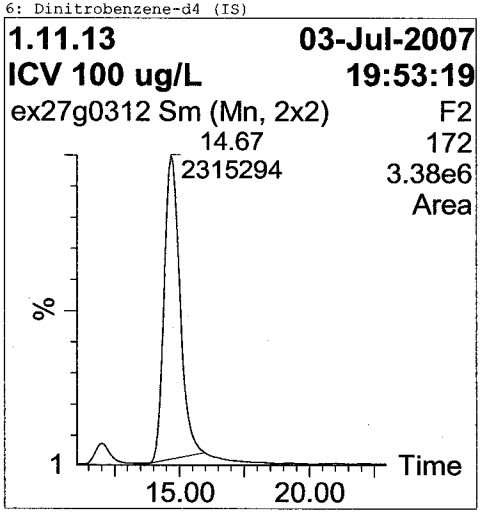
4: 1,3,5-Trinitrobenzene



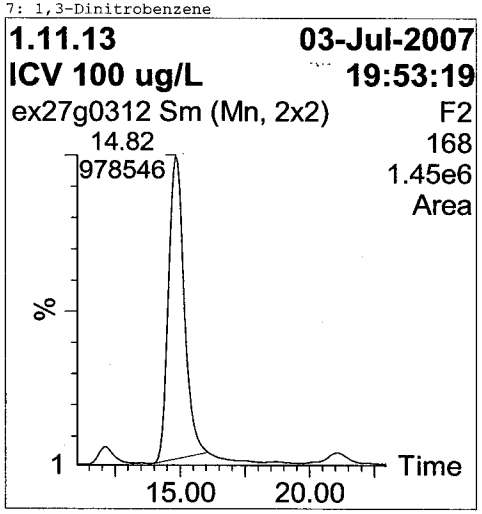
5: Tetryl



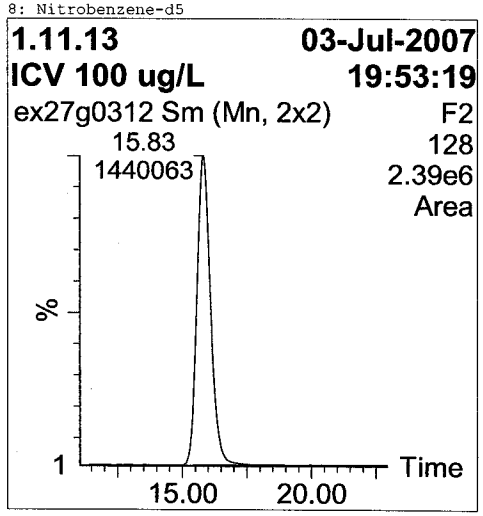
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

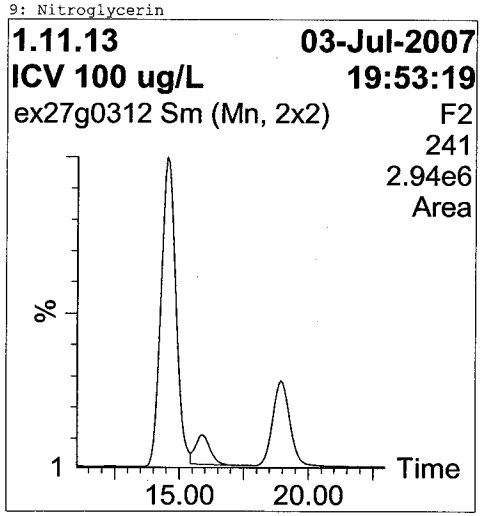
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

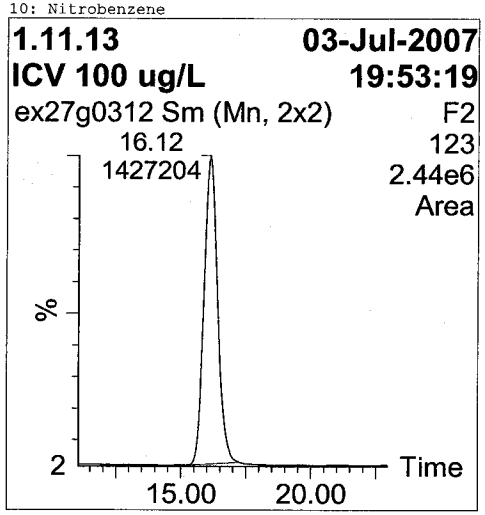
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0312
Text: ICV 100 ug/L

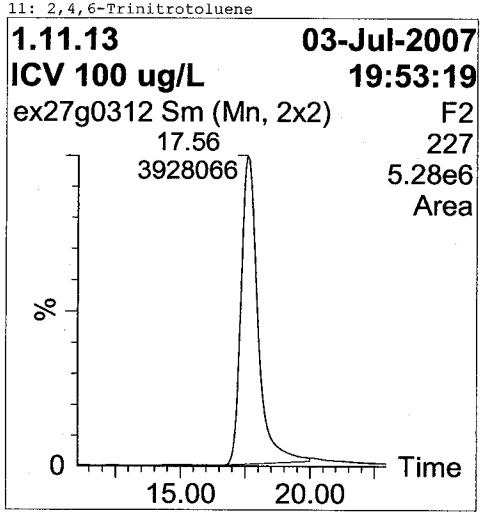
9: Nitroglycerin



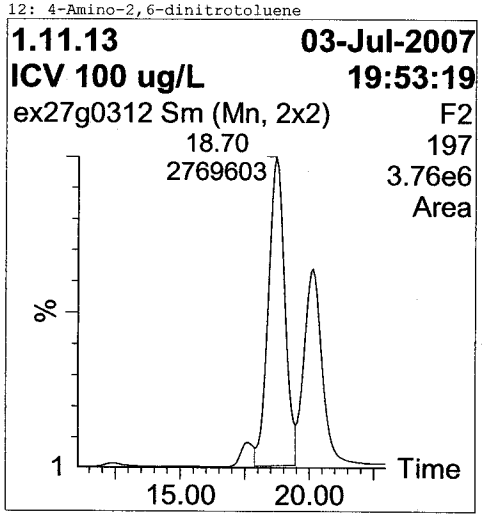
10: Nitrobenzene



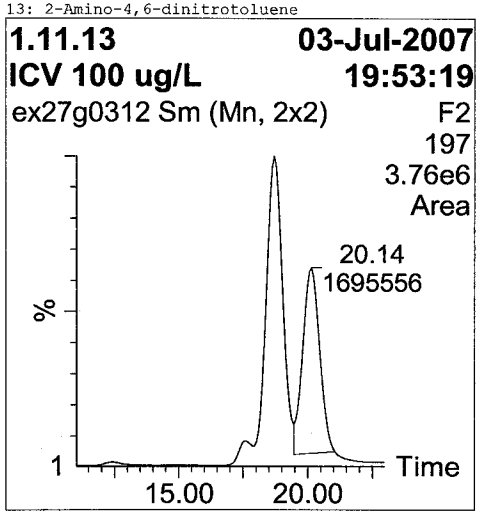
11: 2,4,6-Trinitrotoluene



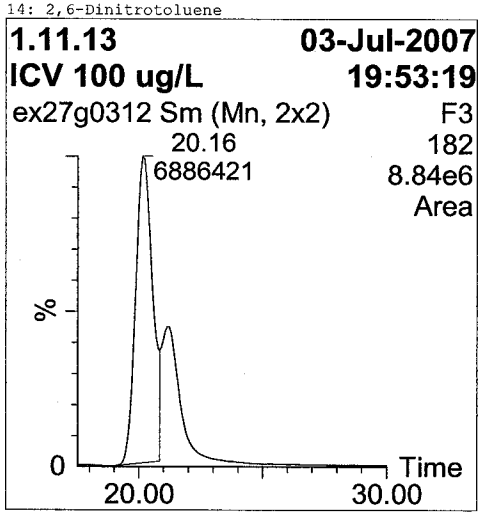
12: 4-Amino-2,6-dinitrotoluene



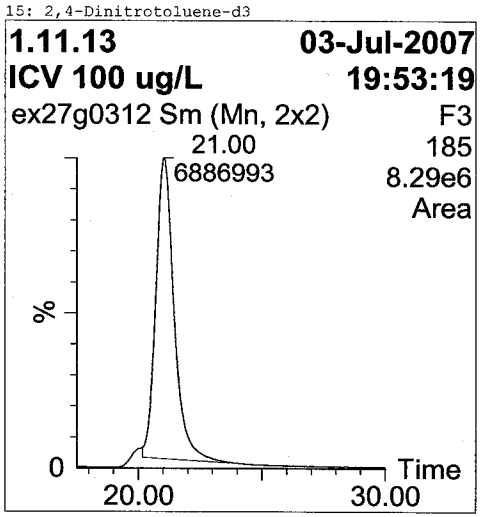
13: 2-Amino-4,6-dinitrotoluene



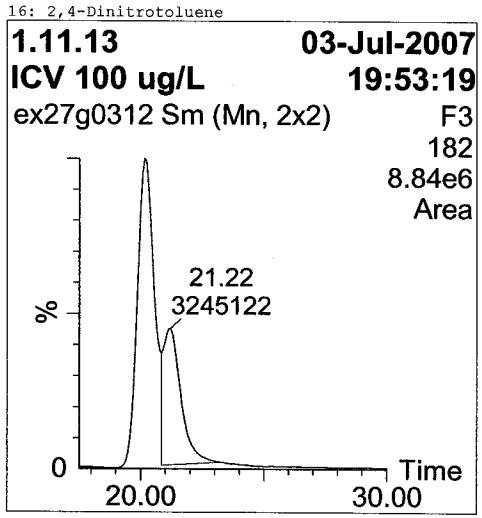
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

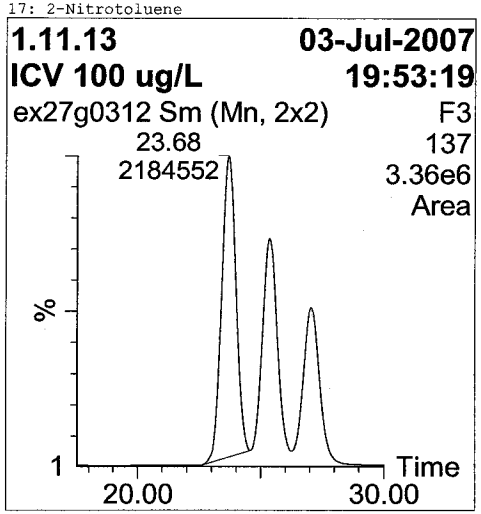
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

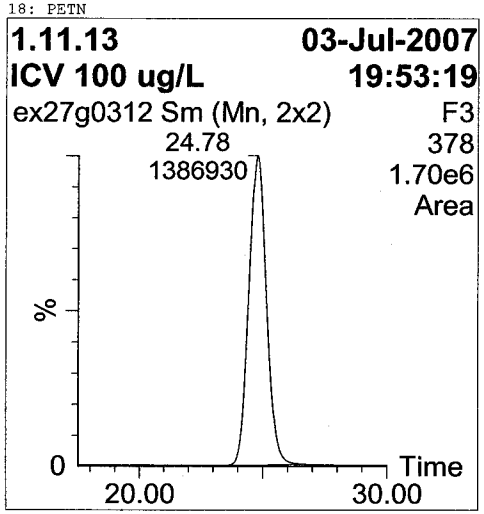
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0312
Text: ICV 100 ug/L

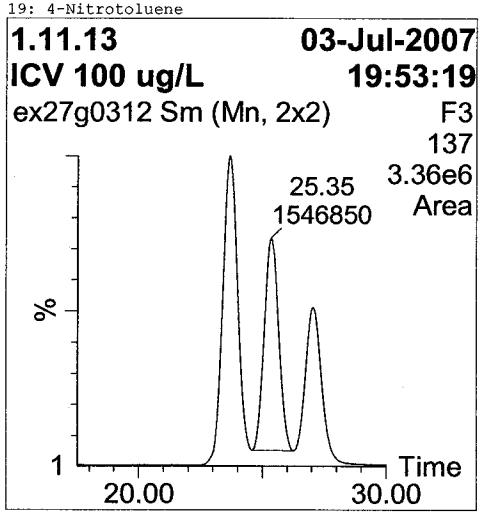
17: 2-Nitrotoluene



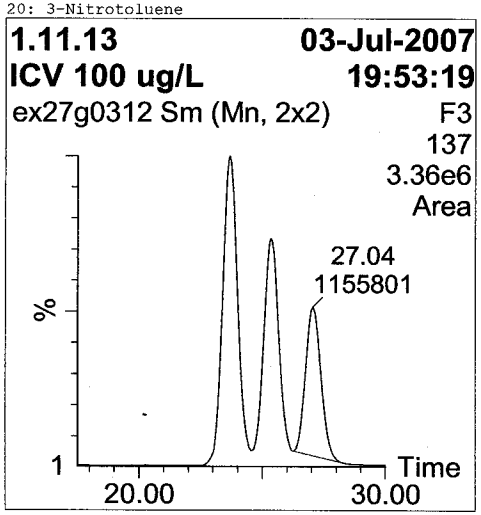
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
1	HMX	6.88	4466068	8359337	0.534	bb	87.867	87.87		
2	RDX 13C-3 284 (IS)	9.66	8359337		8359336..	bb	1.057	105.66		
3	RDX	9.61	2937095	8359337	0.351	bb	96.080	96.08		
4	1,3,5-Trinitrobenzene	12.33	1454082	2315294	0.628	bb	98.985	98.98		
5	Tetryl	14.53	1926859	2315294	0.832	bd	79.118	79.12		
6	Dinitrobenzene-d4 (IS)	14.68	2315294		2315294..	bb	0.918	91.79		
7	1,3-Dinitrobenzene	14.82	978546	2315294	0.423	bb	100.935	100.93		
8	Nitrobenzene-d5	15.83	1440063	2315294	0.622	bb	105.468	105.47		
9	Nitroglycerin	15.87	184996	8359337	0.022	db	106.738	106.74		
10	Nitrobenzene	16.12	1427204	2315294	0.616	bb	99.755	99.75		
11	2,4,6-Trinitrotoluene	17.56	3928066	2315294	1.697	bs	89.873	89.87		
12	4-Amino-2,6-dinitrotoluene	18.70	2769603	2315294	1.196	dd	99.716	99.72		
13	2-Amino-4,6-dinitrotoluene	20.14	1695556	2315294	0.732	db	90.780	90.78		
14	2,6-Dinitrotoluene	20.16	6886421	6886993	1.000	bd	102.344	102.34		
15	2,4-Dinitrotoluene-d3	21.00	6886993		6886993..	ds	0.915	91.47		
16	2,4-Dinitrotoluene	21.22	3245122	6886993	0.471	db	99.996	100.00		
17	2-Nitrotoluene	23.68	2184552	6886993	0.317	bb	99.175	99.17		
18	PETN	24.78	1386930	6886993	0.201	bb	97.151	97.15		
19	4-Nitrotoluene	25.35	1546850	6886993	0.225	bb	99.221	99.22		
20	3-Nitrotoluene	27.04	1155801	6886993	0.168	bb	98.981	98.98		

Analyst: Andrew Meyer

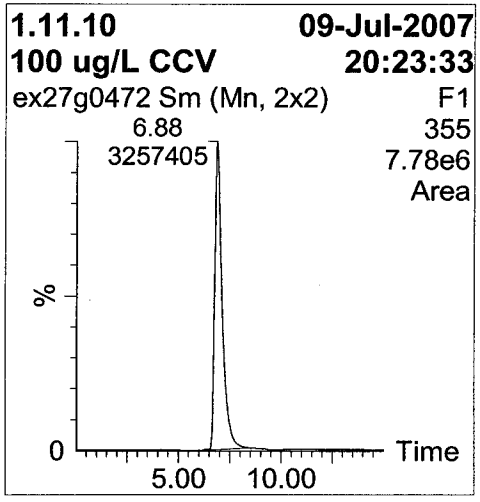
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

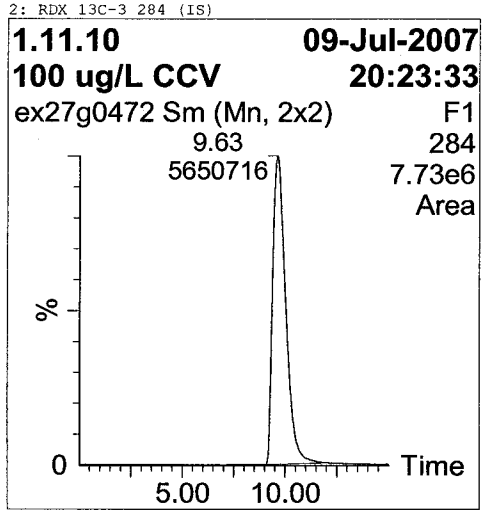
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0472
Text: 100 ug/L CCV

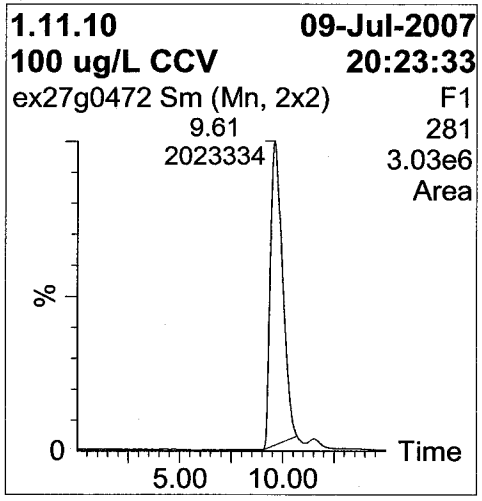
1: HMX



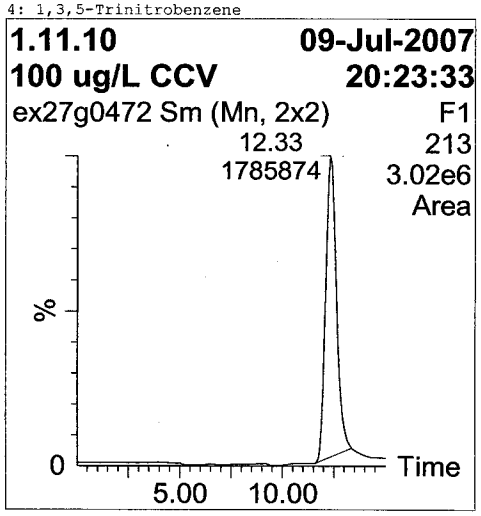
2: RDX 13C-3 284 (IS)



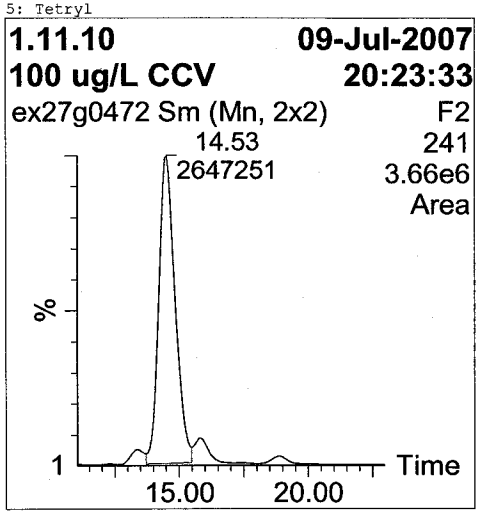
3: RDX



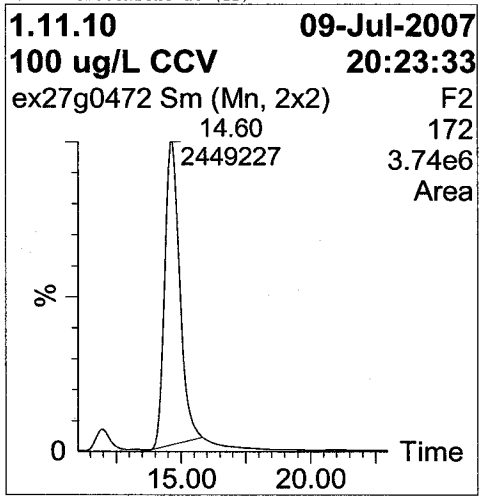
4: 1,3,5-Trinitrobenzene



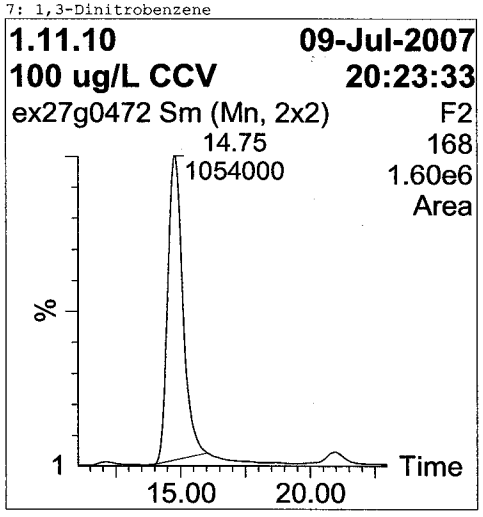
5: Tetryl



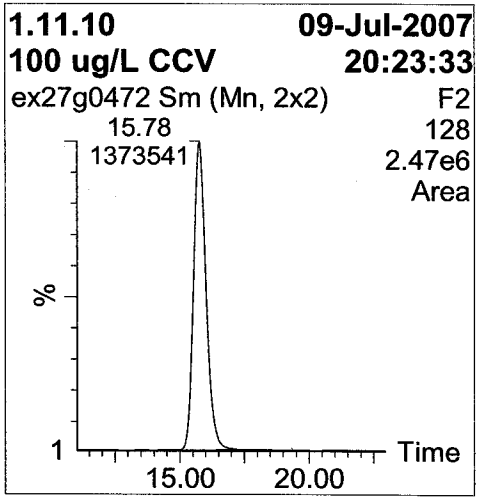
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

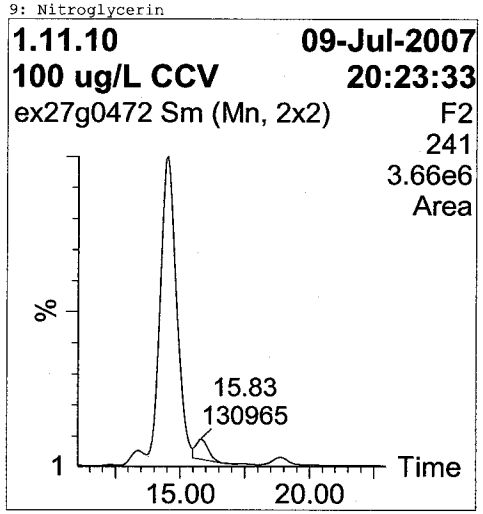
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

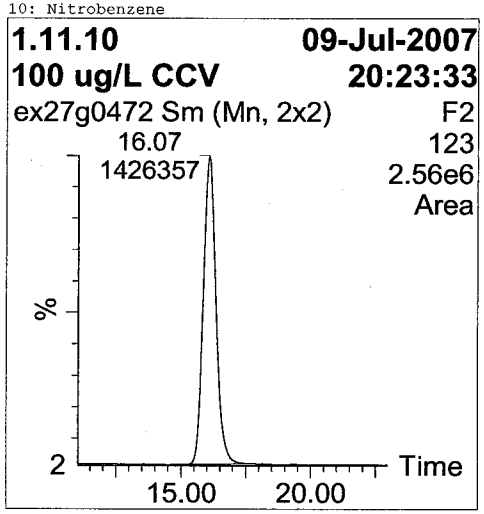
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0472
Text: 100 ug/L CCV

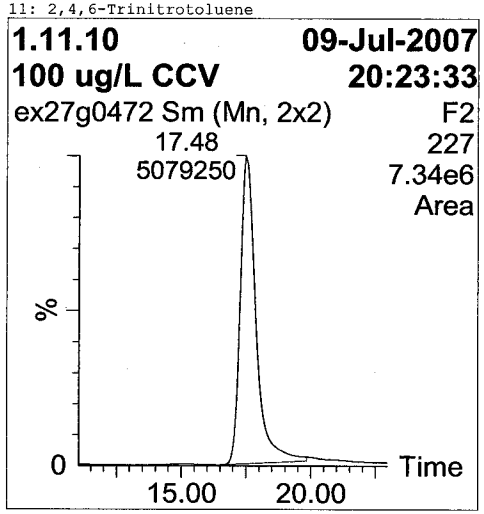
9: Nitroglycerin



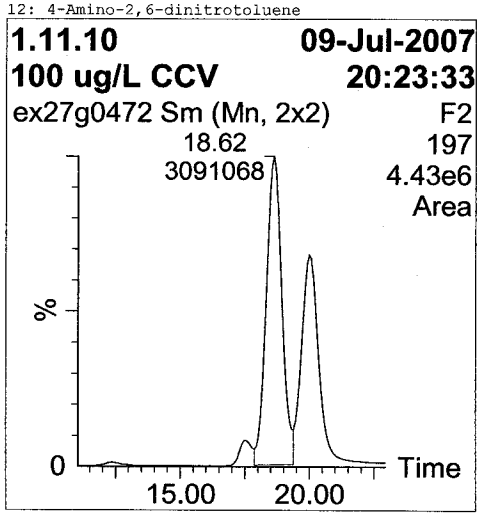
10: Nitrobenzene



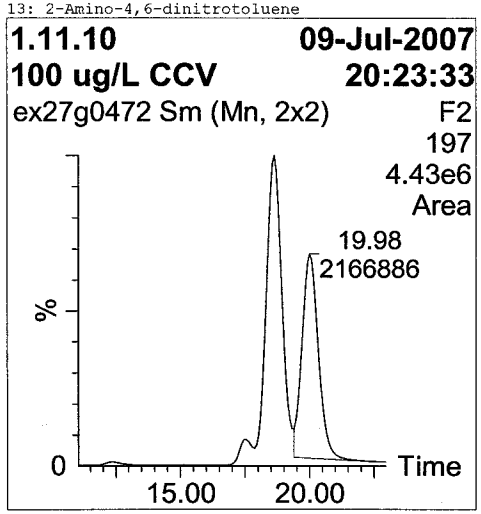
11: 2,4,6-Trinitrotoluene



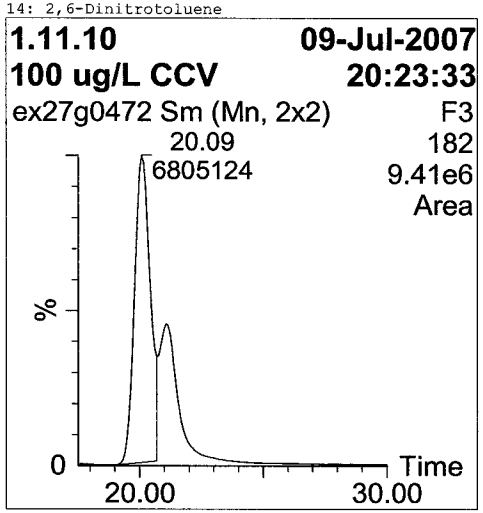
12: 4-Amino-2,6-dinitrotoluene



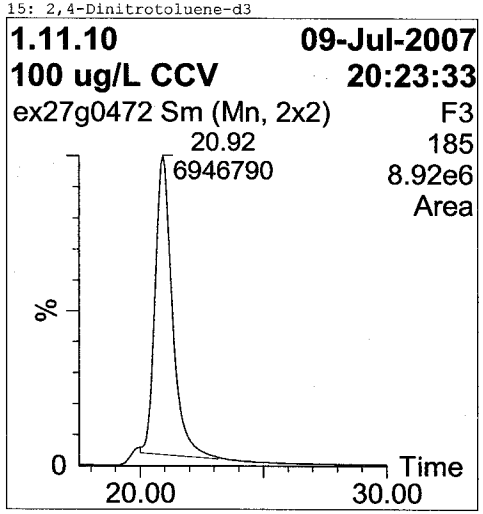
13: 2-Amino-4,6-dinitrotoluene



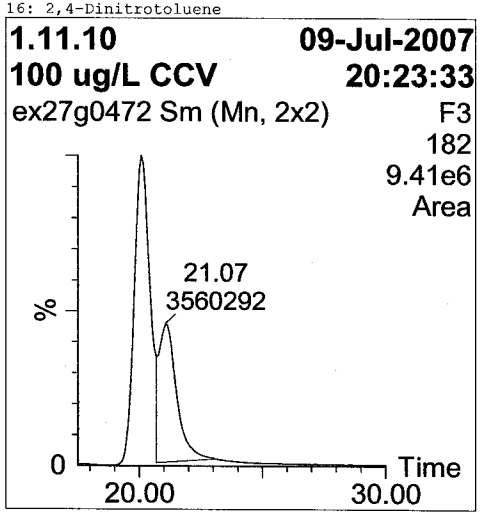
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

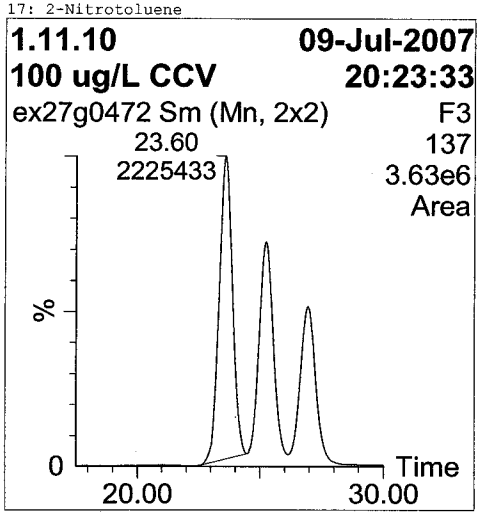
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

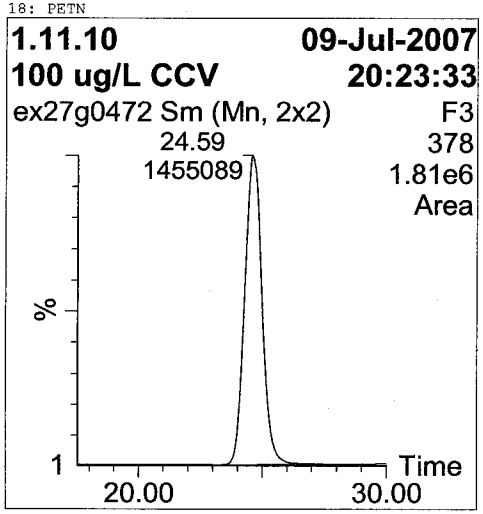
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0472
Text: 100 ug/L CCV

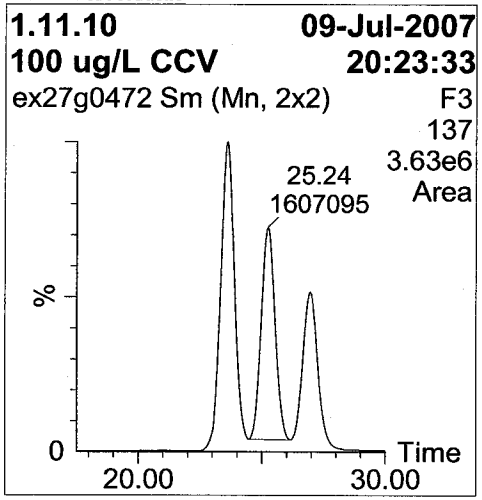
17: 2-Nitrotoluene



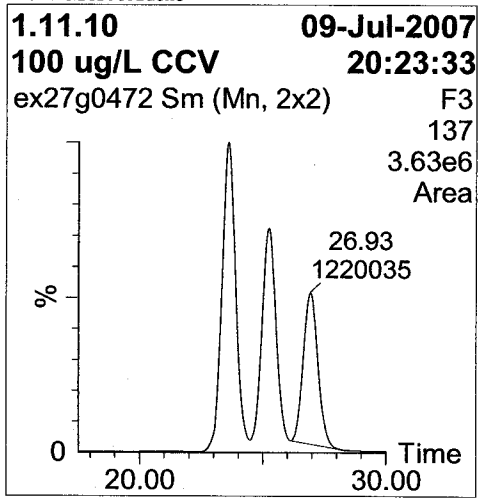
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
1	HMX	6.88	3257405	5650716	0.576	bb	96.289	96.29		
2	RDX 13C-3 284 (IS)	9.63	5650716		5650716..	bb	0.714	71.42		
3	RDX	9.61	2023334	5650716	0.358	bb	98.057	98.06		
4	1,3,5-Trinitrobenzene	12.33	1785874	2449227	0.729	bb	115.003	115.00		
5	Tetryl	14.53	2647251	2449227	1.081	dd	104.931	104.93		
6	Dinitrobenzene-d4 (IS)	14.60	2449227		2449226..	bb	0.971	97.10		
7	1,3-Dinitrobenzene	14.75	1054000	2449227	0.430	bb	102.770	102.77		
8	Nitrobenzene-d5	15.78	1373541	2449227	0.561	bb	94.985	94.98		
9	Nitroglycerin	15.83	130965	5650716	0.023	db	112.704	112.70		
10	Nitrobenzene	16.07	1426357	2449227	0.582	bb	94.018	94.02		
11	2,4,6-Trinitrotoluene	17.48	5079250	2449227	2.074	bs	109.645	109.65		
12	4-Amino-2,6-dinitrotoluene	18.62	3091068	2449227	1.262	dd	105.179	105.18		
13	2-Amino-4,6-dinitrotoluene	19.98	2166886	2449227	0.885	ds	109.777	109.78		
14	2,6-Dinitrotoluene	20.09	6805124	6946790	0.980	bd	100.273	100.27		
15	2,4-Dinitrotoluene-d3	20.92	6946790		6946790..	ds	0.923	92.27		
16	2,4-Dinitrotoluene	21.07	3560292	6946790	0.513	db	108.709	108.71		
17	2-Nitrotoluene	23.60	2225433	6946790	0.320	bb	100.204	100.20		
18	PETN	24.59	1455089	6946790	0.209	bb	101.939	101.94		
19	4-Nitrotoluene	25.24	1607095	6946790	0.231	bb	102.333	102.33		
20	3-Nitrotoluene	26.93	1220035	6946790	0.176	bb	103.782	103.78		

Analyst: Andrew Meyer

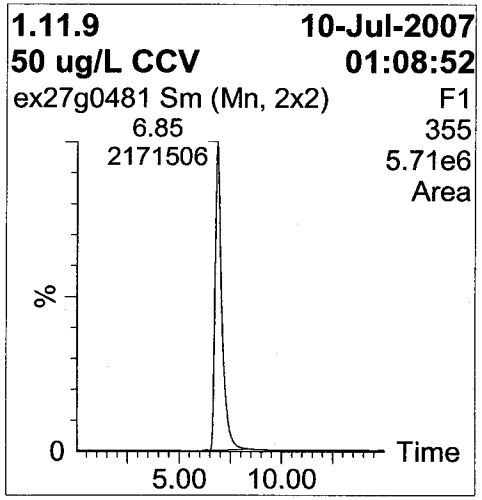
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

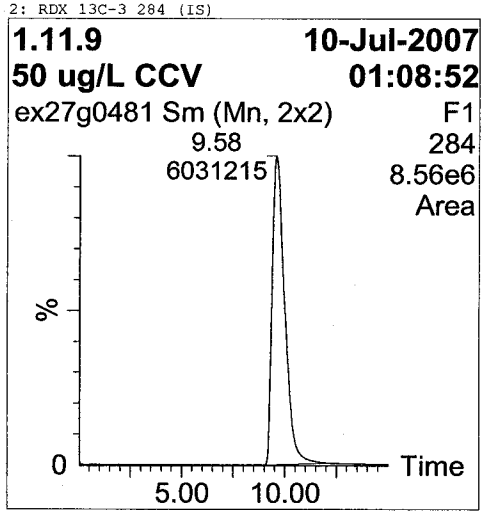
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0481
Text: 50 ug/L CCV

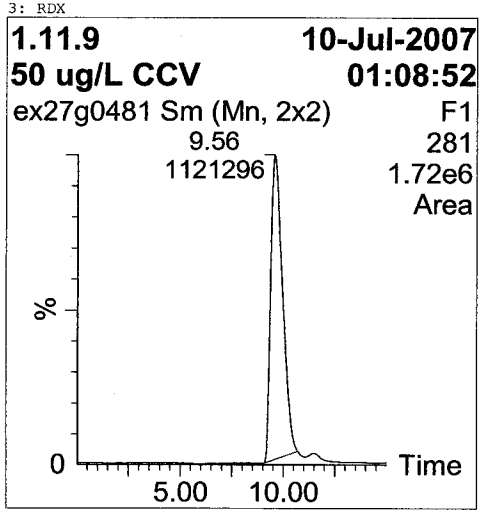
1: HMX



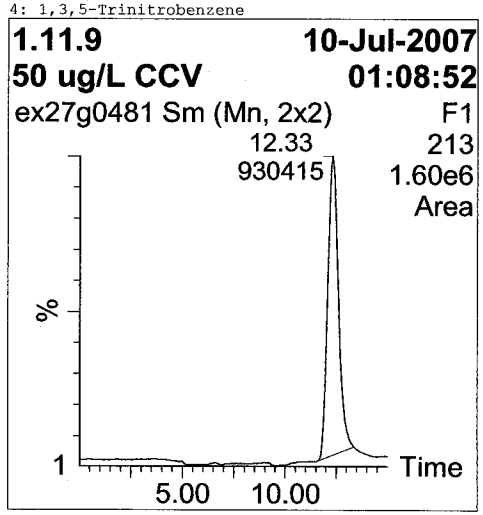
2: RDX 13C-3 284 (IS)



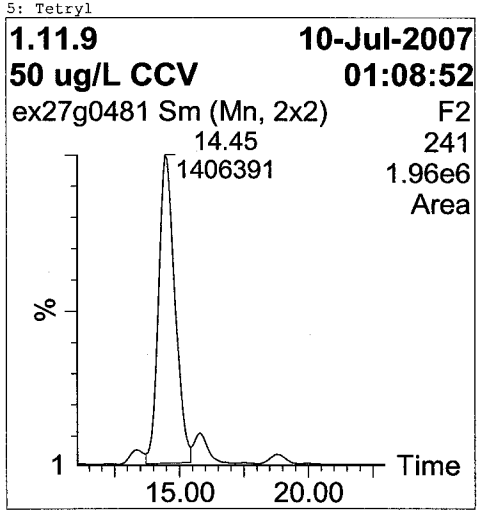
3: RDX



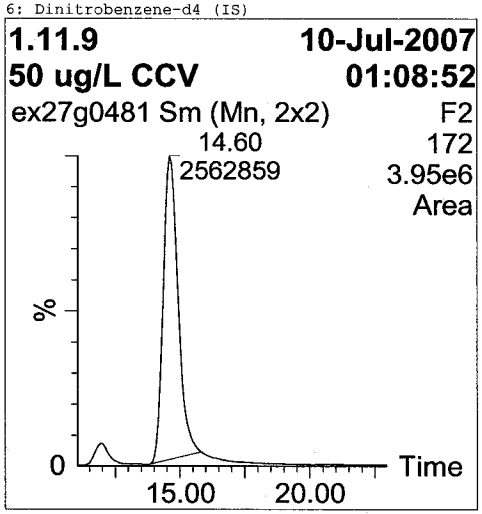
4: 1,3,5-Trinitrobenzene



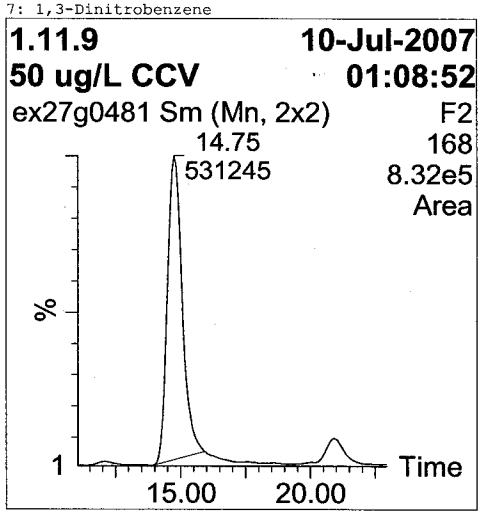
5: Tetryl



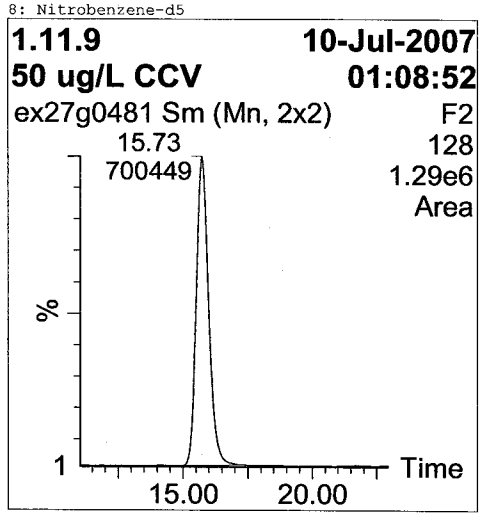
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

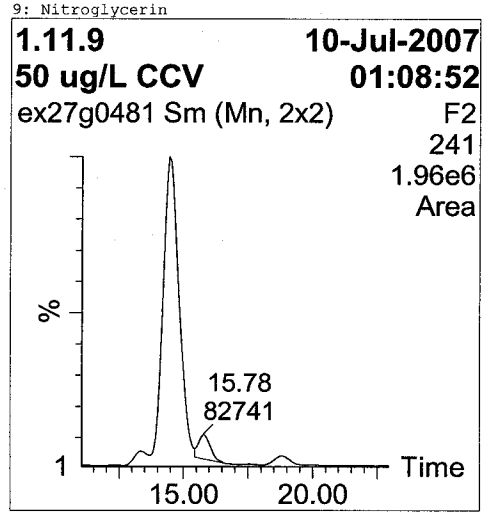
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

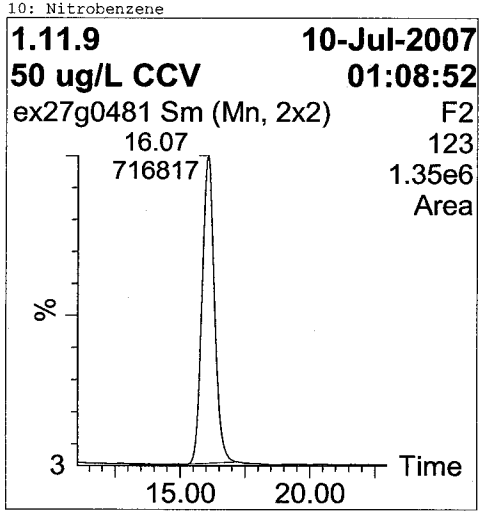
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0481
Text: 50 ug/L CCV

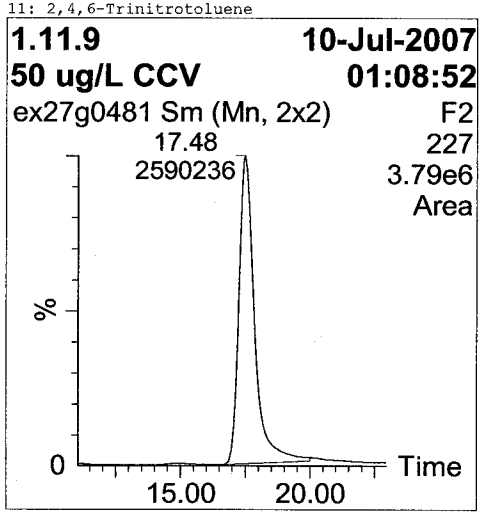
9: Nitroglycerin



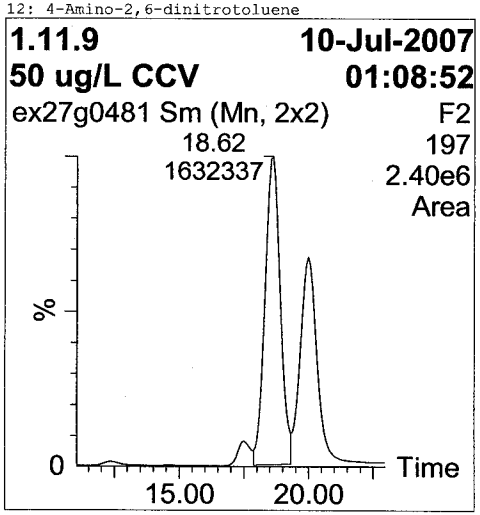
10: Nitrobenzene



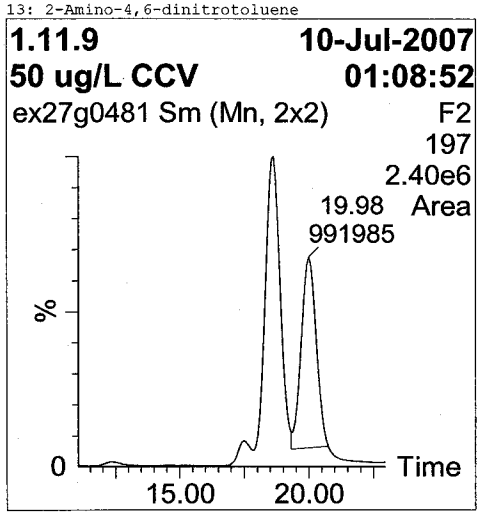
11: 2,4,6-Trinitrotoluene



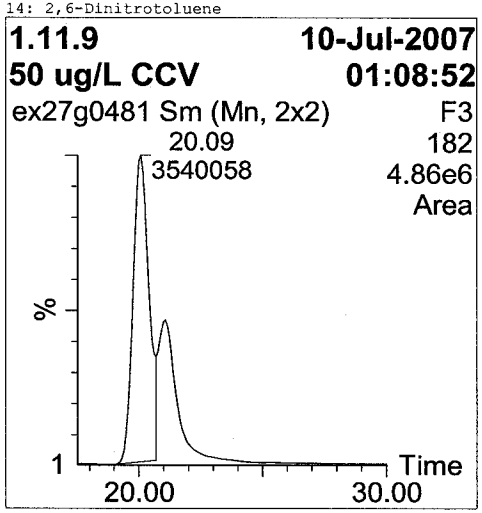
12: 4-Amino-2,6-dinitrotoluene



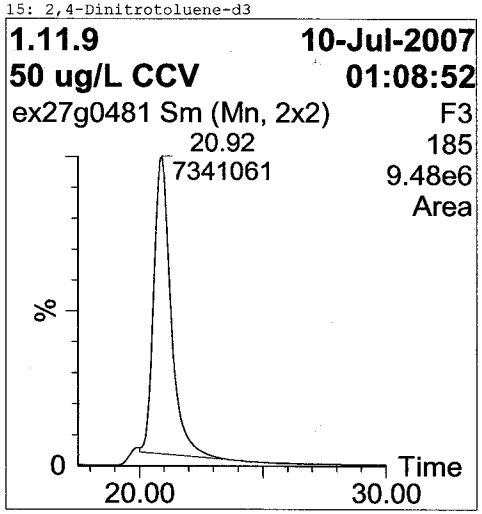
13: 2-Amino-4,6-dinitrotoluene



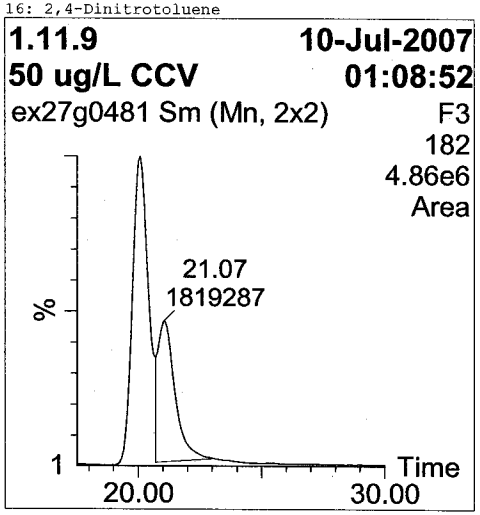
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

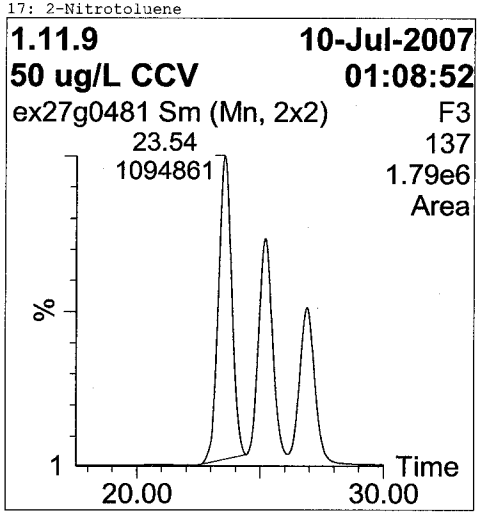
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

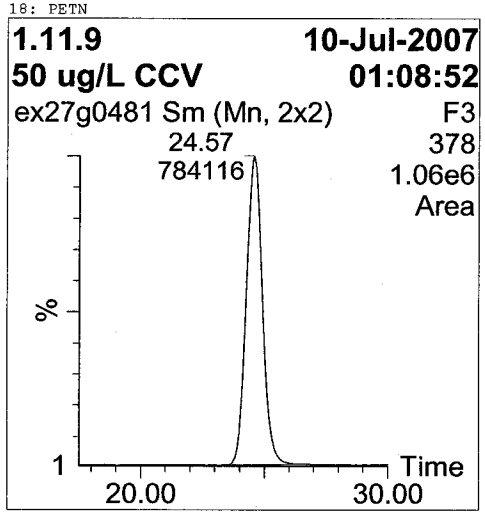
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0481
Text: 50 ug/L CCV

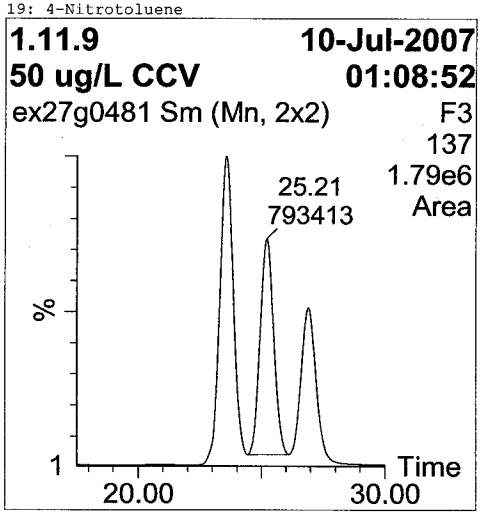
17: 2-Nitrotoluene



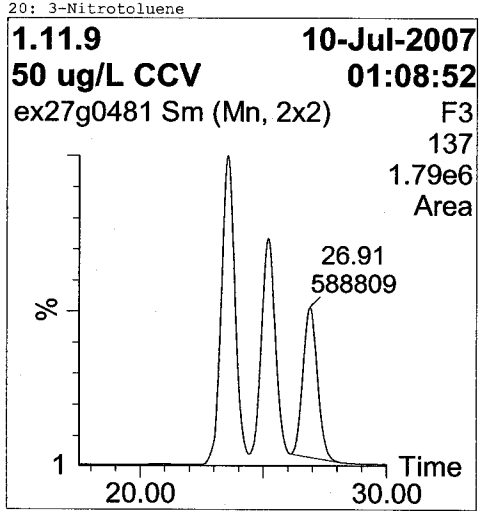
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX	9.56	1121296	6031215	0.186	bb	49.331	98.66		
4	1,3,5-Trinitrobenzene	12.33	930415	2562859	0.363	bb	57.009	114.02		
5	Tetryl	14.45	1406391	2562859	0.549	dd	50.850	101.70		
6	Dinitrobenzene-d4 (IS)	14.60	2562859		2562859..	bb	1.016	101.61		
7	1,3-Dinitrobenzene	14.75	531245	2562859	0.207	bb	49.579	99.16		
8	Nitrobenzene-d5	15.73	700449	2562859	0.273	bb	46.154	92.31		
9	Nitroglycerin	15.78	82741	6031215	0.014	db	62.286	124.57		
10	Nitrobenzene	16.07	716817	2562859	0.280	bb	44.566	89.13		
11	2,4,6-Trinitrotoluene	17.48	2590236	2562859	1.011	bs	53.924	107.85		
12	4-Amino-2,6-dinitrotoluene	18.62	1632337	2562859	0.637	dd	53.311	106.62		
13	2-Amino-4,6-dinitrotoluene	19.98	991985	2562859	0.387	db	47.740	95.48		
14	2,6-Dinitrotoluene	20.09	3540058	7341061	0.482	bd	49.574	99.15		
15	2,4-Dinitrotoluene-d3	20.92	7341061		7341060..	ds	0.975	97.50		
16	2,4-Dinitrotoluene	21.07	1819287	7341061	0.248	db	52.884	105.77		
17	2-Nitrotoluene	23.54	1094861	7341061	0.149	bb	45.883	91.77		
18	PETN	24.57	784116	7341061	0.107	bb	46.723	93.45		
19	4-Nitrotoluene	25.21	793413	7341061	0.108	bb	46.942	93.88		
20	3-Nitrotoluene	26.91	588809	7341061	0.080	bb	46.544	93.09		

Analyst: Andrew Meyer

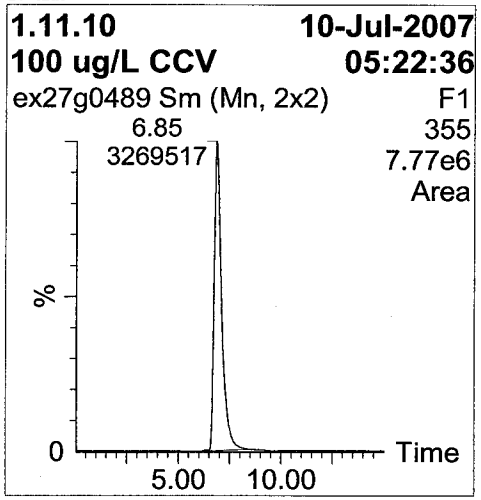
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

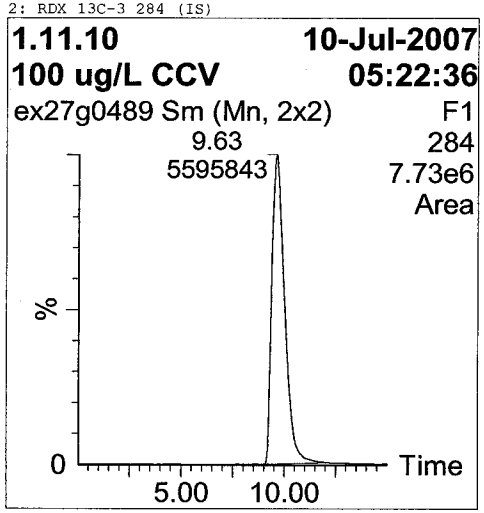
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0489
Text: 100 ug/L CCV

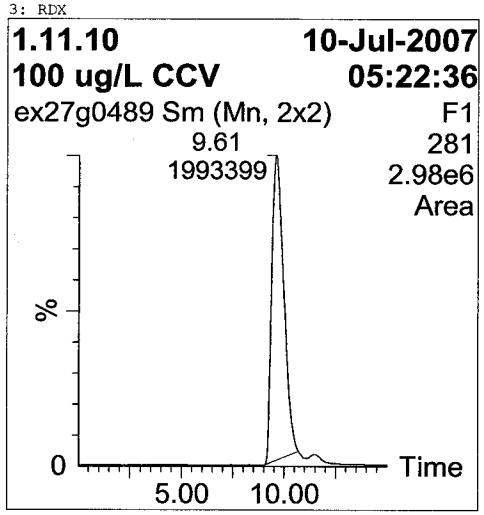
1: HMX



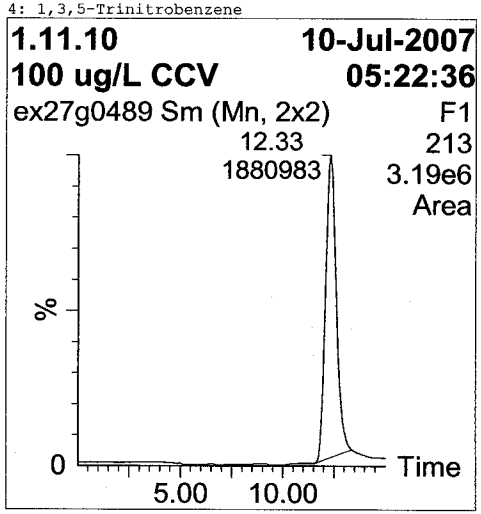
2: RDX 13C-3 284 (IS)



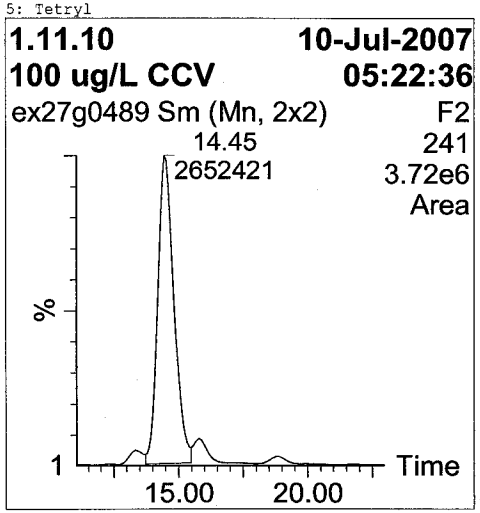
3: RDX



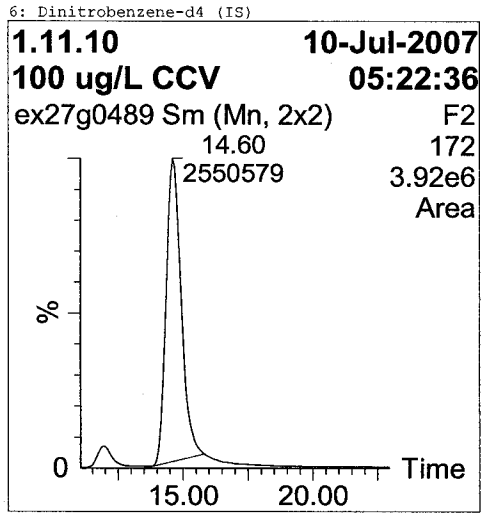
4: 1,3,5-Trinitrobenzene



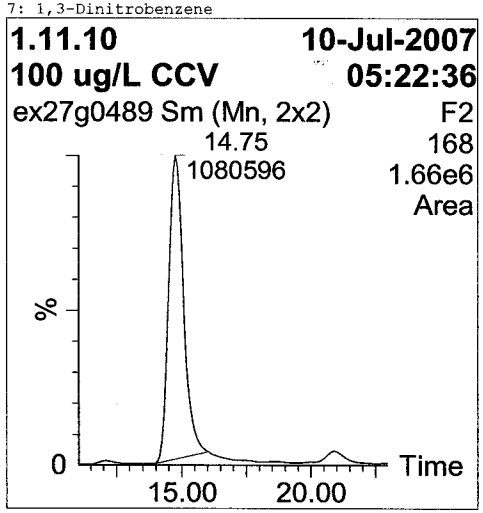
5: Tetryl



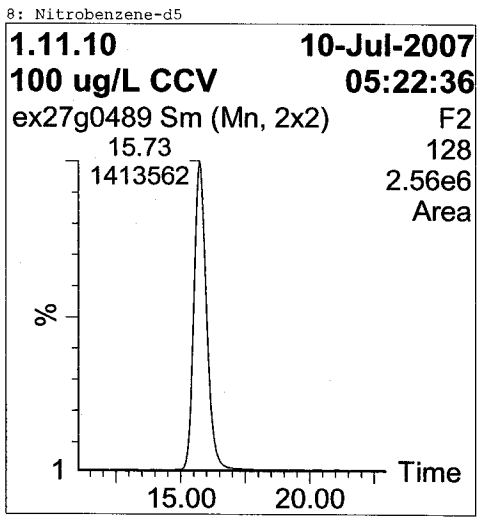
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Table of Contents

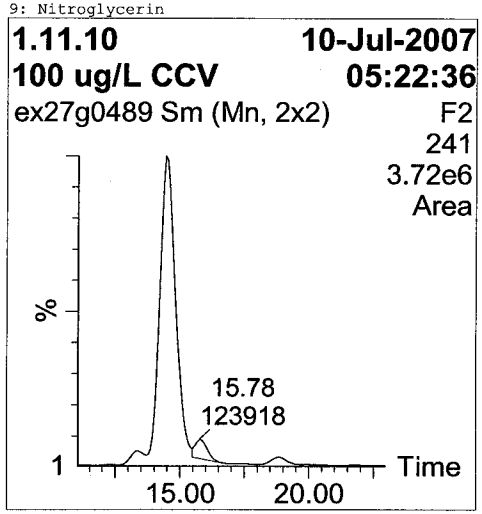
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

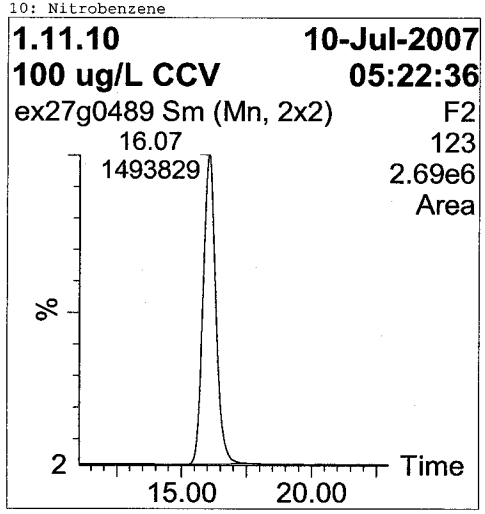
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0489
Text: 100 ug/L CCV

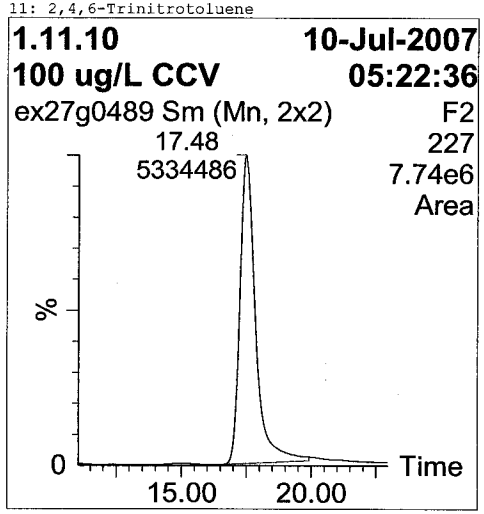
9: Nitroglycerin



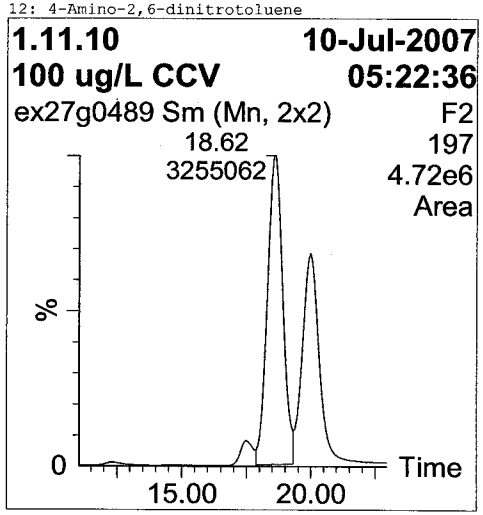
10: Nitrobenzene



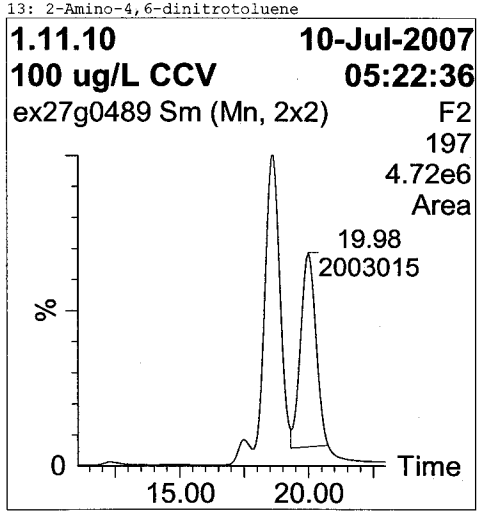
11: 2,4,6-Trinitrotoluene



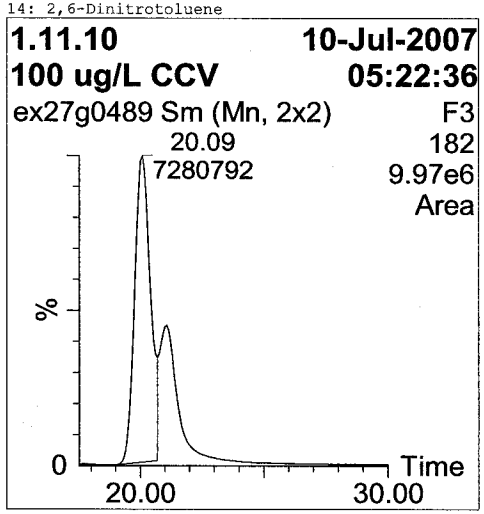
12: 4-Amino-2,6-dinitrotoluene



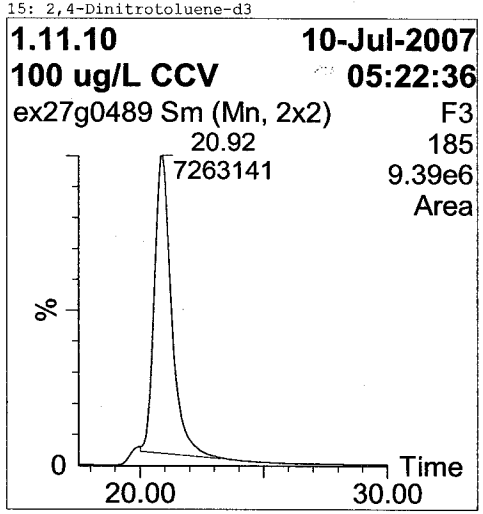
13: 2-Amino-4,6-dinitrotoluene



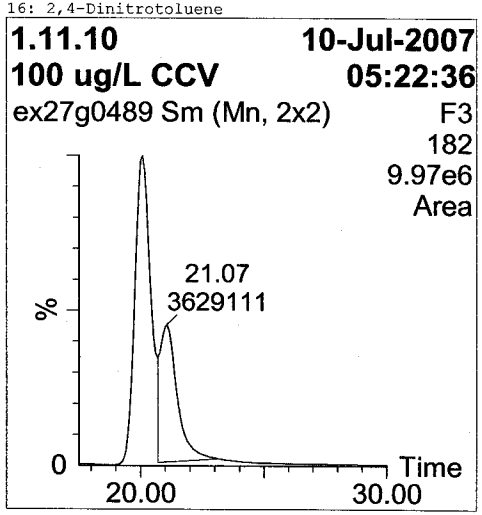
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

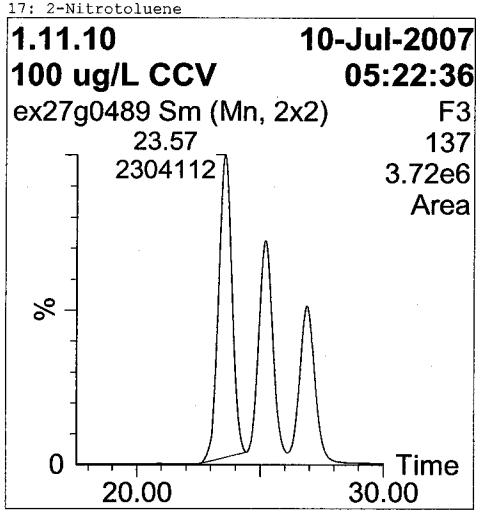
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

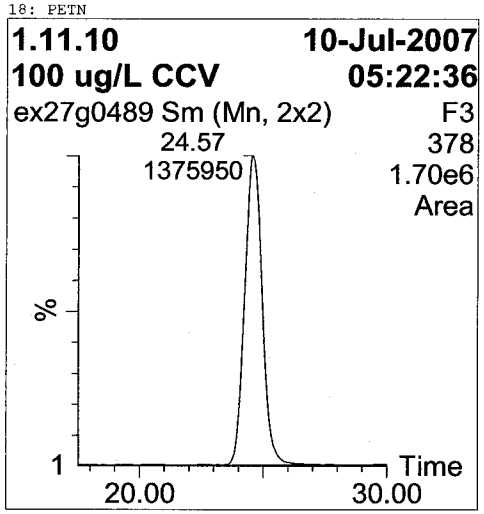
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0489
Text: 100 ug/L CCV

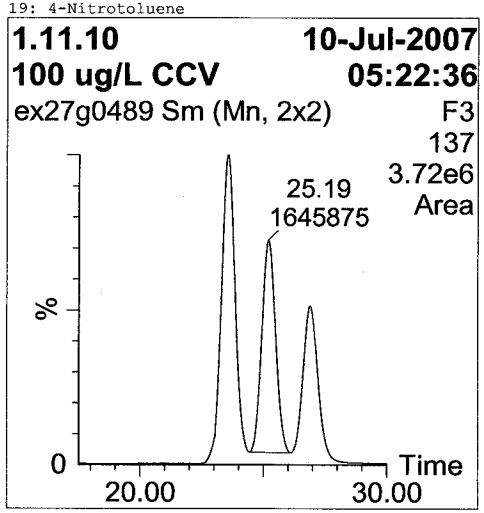
17: 2-Nitrotoluene



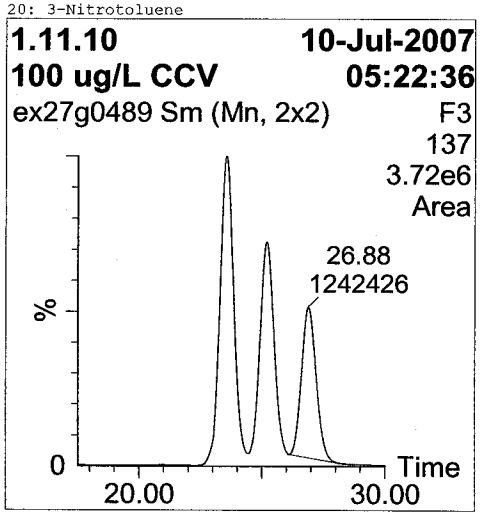
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
1	HMX	6.85	3269517	5595843	0.584	bb	97.879	97.88		
2	RDX 13C-3 284 (IS)	9.63	5595843		5595843..	bb	0.707	70.73		
3	RDX	9.61	1993399	5595843	0.356	bb	97.515	97.52		
4	1,3,5-Trinitrobenzene	12.33	1880983	2550579	0.737	bb	116.320	116.32		
5	Tetryl	14.45	2652421	2550579	1.040	dd	100.612	100.61		
6	Dinitrobenzene-d4 (IS)	14.60	2550579		2550578..	bb	1.011	101.12		
7	1,3-Dinitrobenzene	14.75	1080596	2550579	0.424	bb	101.179	101.18		
8	Nitrobenzene-d5	15.73	1413562	2550579	0.554	bb	93.856	93.86		
9	Nitroglycerin	15.78	123918	5595843	0.022	db	106.818	106.82		
10	Nitrobenzene	16.07	1493829	2550579	0.586	bb	94.574	94.57		
11	2,4,6-Trinitrotoluene	17.48	5334486	2550579	2.091	bs	110.571	110.57		
12	4-Amino-2,6-dinitrotoluene	18.62	3255062	2550579	1.276	dd	106.352	106.35		
13	2-Amino-4,6-dinitrotoluene	19.98	2003015	2550579	0.785	db	97.385	97.39		
14	2,6-Dinitrotoluene	20.09	7280792	7263141	1.002	bd	102.600	102.60		
15	2,4-Dinitrotoluene-d3	20.92	7263141		7263141..	ds	0.965	96.47		
16	2,4-Dinitrotoluene	21.07	3629111	7263141	0.500	db	105.999	106.00		
17	2-Nitrotoluene	23.57	2304112	7263141	0.317	bb	99.186	99.19		
18	PETN	24.57	1375950	7263141	0.189	bb	90.238	90.24		
19	4-Nitrotoluene	25.18	1645875	7263141	0.227	bb	100.144	100.14		
20	3-Nitrotoluene	26.88	1242426	7263141	0.171	bb	100.969	100.97		

Analyst: Andrew Meyer

LC/MS SEMIVOLATILE SAMPLE DATA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample List Report **MassLynx 4.0 SP4**

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08).SPL
Last Modified: Tuesday, July 10, 2007 8:00:59 AM Mountain Daylight Time
Printed: Tuesday, July 10, 2007 8:18:02 AM Mountain Daylight Time Page Position (1, 1)

	File Name	Sample ID	File Text	Sample Type	Analyte µg/L	QC µg/L	Vial	Extract (mL)
1	ex27g0303	1.11.5	blank	Blank	0	50	1	1.000000
2	ex27g0304	1.11.6	5 ug/L	Standard	5	5	2	1.000000
3	ex27g0305	1.11.7	10 µg/L	Standard	10	10	3	1.000000
4	ex27g0306	1.11.8	25 ug/L	Standard	25	25	4	1.000000
5	ex27g0307	1.11.9	50 ug/L	Standard	50	50	5	1.000000
6	ex27g0308	1.11.10	100 ug/L	Standard	100	100	6	1.000000
7	ex27g0309	1.11.11	200 ug/L	Standard	200	200	7	1.000000
8	ex27g0310	1.11.12	300 ug/L	Standard	300	300	8	1.000000
9	ex27g0311	1.11.5	blank	Blank	0	50	1	1.000000
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100	100	9	1.000000
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100	100	6	1.000000
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank	0	1026.694	37	100.000000
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.004	998.004	38	100.000000
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte	0	999.001	39	100.000000
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte	0	978.474	40	100.000000
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte	0	1030.928	41	100.000000
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte	0	975.610	42	100.000000
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte	0	1005.025	43	100.000000
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte	0	994.036	44	100.000000
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50	50	5	1.000000
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte	0	1003.009	45	100.000000
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.036	994.036	46	100.000000
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.009	1003.009	47	100.000000
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte	0	1001.001	48	100.000000
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte	0	994.036	49	100.000000
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte	0	1001.122	50	100.000000
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte	0	1007.049	51	100.000000
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100	100	6	1.000000

Sample List Report **MassLynx 4.0 SP4**

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08).SPL
Last Modified: Tuesday, July 10, 2007 8:00:59 AM Mountain Daylight Time
Printed: Tuesday, July 10, 2007 8:18:02 AM Mountain Daylight Time

Sample (mL or g)	Dilution	µL Injected	MS Tune File	Inlet File	MS File
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.740000	1.000000	50.000000	Explosives	Explosive1	Explosives2
10.020000	1.000000	50.000000	Explosives	Explosive1	Explosives2
10.010000	1.000000	50.000000	Explosives	Explosive1	Explosives2
10.220000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.700000	1.000000	50.000000	Explosives	Explosive1	Explosives2
10.250000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.950000	1.000000	50.000000	Explosives	Explosive1	Explosives2
10.060000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.970000	1.000000	50.000000	Explosives	Explosive1	Explosives2
10.060000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.970000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.990000	1.000000	50.000000	Explosives	Explosive1	Explosives2
10.060000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.890000	1.000000	50.000000	Explosives	Explosive1	Explosives2
9.930000	1.000000	50.000000	Explosives	Explosive1	Explosives2
1.000000	1.000000	50.000000	Explosives	Explosive1	Explosives2

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 1: HMX Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.996990
Calibration curve: -9.22324e-6 * x^2 + 0.00670893 * x + 0.0159765
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				9247013						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	6.90	407318	8854521		0.046	bb	4.503	90.1	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	6.85	683660	8459041		0.081	bb	9.797	98.0	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	6.88	1663990	8424712		0.198	bb	28.148	112.6	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	6.88	2773119	8068680		0.344	bb	52.660	105.3	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	6.88	4493428	7822615		0.574	bb	95.875	95.9	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	6.90	6529386	6868217		0.951	bb	187.814	93.9	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	6.88	8442504	6882511		1.227	bb	331.902	110.6	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank		6.88	2707	9391482		0.000	bb	0.000		1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	6.88	4466068	8359337		0.534	bb	87.867	87.9	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	6.88	3257405	5650716		0.576	bb	96.289	96.3	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6944069						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	6.85	3482995	6052821		0.575	bb	958.895	96.1	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6565067						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6553836						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6427132						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6915807						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6821439						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6785837						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	6.85	2171506	6031215		0.360	bb	55.523	111.0	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6876979						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	6.85	3086354	5792068		0.533	bb	870.692	87.6	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	6.85	3404044	5591481		0.609	bb	1032.358	102.9	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6700443						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6281623						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6466954						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6654994						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	6.85	3269517	5595843		0.584	bb	97.879	97.9	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 2: RDX 13C-3 284 (IS) Sample List: ex27g03(08) Method File: ex27g03L
Response Factor: 7.91147e6
RRF SD: 778068, % Relative SD: 9.83468
Response type: External Std, Area
Curve type: RF

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank		9.66	9247013		9247013.000	bb	1.169	116.9	1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	1.00	9.68	8854521		8854521.000	bb	1.119	111.9	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	1.00	9.63	8459041		8459041.000	bb	1.069	106.9	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	1.00	9.66	8424712		8424712.000	bb	1.065	106.5	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	1.00	9.66	8068680		8068679.500	bb	1.020	102.0	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	1.00	9.68	7822615		7822615.000	bb	0.989	98.9	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	1.00	9.66	6868217		6868217.000	bb	0.868	86.8	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	1.00	9.63	6882511		6882510.500	bb	0.870	87.0	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank		9.63	9391482		9391482.000	bb	1.187	118.7	1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	1.00	9.66	8359337		8359336.500	bb	1.057	105.7	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	1.00	9.63	5650716		5650716.000	bb	0.714	71.4	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank		9.58	6944069		6944068.500	bb	0.878	87.8	100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	1.00	9.58	6052821		6052821.000	bb	0.765	76.5	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte		9.56	6565067		6565067.000	bb	0.830	83.0	100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte		9.56	6553836		6553836.000	bb	0.828	82.8	100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte		9.56	6427132		6427131.500	bb	0.812	81.2	100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte		9.61	6915807		6915806.500	bb	0.874	87.4	100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte		9.50	6821439		6821438.500	bb	0.862	86.2	100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte		9.58	6785837		6785837.000	bb	0.858	85.8	100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	1.00	9.58	6031215		6031214.500	bb	0.762	76.2	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte		9.50	6876979		6876979.000	bb	0.869	86.9	100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	1.00	9.53	5792068		5792068.000	bb	0.732	73.2	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1.00	9.56	5591481		5591480.500	bb	0.707	70.7	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte		9.58	6700443		6700442.500	bb	0.847	84.7	100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte		9.56	6281623		6281623.000	bb	0.794	79.4	100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte		9.56	6466954		6466954.000	bb	0.817	81.7	100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte		9.53	6654994		6654993.500	bb	0.841	84.1	100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	1.00	9.63	5595843		5595843.000	bb	0.707	70.7	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 3: RDX Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999587
Calibration curve: -2.96419e-6 * x^2 + 0.00396992 * x + -0.00271178
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				9247013						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	9.68	155781	8854521		0.018	bb	5.134	102.7	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 ug/L	Standard	10.00	9.66	309053	8459041		0.037	bb	9.960	99.6	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	9.66	792962	8424712		0.094	bb	24.853	99.4	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	9.63	1480628	8068680		0.184	bb	48.676	97.4	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	9.66	2832663	7822615		0.362	bb	99.253	99.3	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	9.61	4741550	6868217		0.690	bb	206.385	103.2	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	9.61	6272798	6882511		0.911	bb	295.431	98.5	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				9391482						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	9.61	2937095	8359337		0.351	bb	96.080	96.1	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	9.61	2023334	5650716		0.358	bb	98.057	98.1	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6944069						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	9.61	2236779	6052821		0.370	bb	1012.519	101.5	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6565067						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6553836						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6427132						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6915807						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6821439						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6785837						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	9.56	1121296	6031215		0.186	bb	49.331	98.7	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6876979						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	9.53	2105013	5792068		0.363	bb	990.482	99.6	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	9.56	2237518	5591481		0.400	bb	1109.521	110.6	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6700443						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6281623						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6466954						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6654994						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	9.61	1993399	5595843		0.356	bb	97.515	97.5	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 4: 1,3,5-Trinitrobenzene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999468
Calibration curve: 0.00631302 * x + 0.00313994
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				2483330						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	12.40	88249	2470534		0.036	bb	5.161	103.2	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	12.40	164572	2569897		0.064	bb	9.646	96.5	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	12.40	405976	2531624		0.160	bb	24.904	99.6	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	12.40	800168	2527820		0.317	bb	49.644	99.3	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	12.40	1583139	2487316		0.636	bb	100.324	100.3	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	12.40	3217756	2469639		1.303	bb	205.890	102.9	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	12.40	4839416	2599201		1.862	bb	294.431	98.1	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				2534483						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	12.33	1454082	2315294		0.628	bb	98.985	99.0	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	12.33	1785874	2449227		0.729	bb	115.003	115.0	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				2553002						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	12.33	1766597	2431624		0.727	bb	1143.550	114.6	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				2476190						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				2297077						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				2290542						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				2187520						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				2319510						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte		12.40	6938	2165538		0.003	bb	0.100		100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	12.33	930415	2562859		0.363	bb	57.009	114.0	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte		12.40	8393	2412997		0.003	bb	0.537		100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	12.25	1783612	2386634		0.747	bb	1171.793	117.9	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	12.25	1777456	2118858		0.839	bb	1327.810	132.4	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte		12.25	4831	2341490		0.002	bb	0.000		100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				2277360						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte		12.25	5967	2264512		0.003	bb	0.000		100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				2356449						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	12.33	1880983	2550579		0.737	bb	116.320	116.3	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 5: Tetryl Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999900
Calibration curve: -7.32586e-6 * x^2 + 0.0109799 * x + 0.00937810
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				2483330						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	14.67	155040	2470534		0.063	dd	4.877	97.5	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	14.60	308027	2569897		0.120	dd	10.131	101.3	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	14.67	718642	2531624		0.284	dd	25.431	101.7	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	14.60	1371838	2527820		0.543	dd	50.257	100.5	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	14.60	2532750	2487316		1.018	dd	98.337	98.3	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	14.60	4753303	2469639		1.925	dd	201.539	100.8	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	14.60	6862433	2599201		2.640	dd	299.421	99.8	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				2534483						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	14.53	1926859	2315294		0.832	bd	79.118	79.1	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	14.53	2647251	2449227		1.081	dd	104.931	104.9	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				2553002						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	14.45	3152282	2431624		1.296	dd	1279.189	128.2	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				2476190						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				2297077						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				2290542						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				2187520						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				2319510						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				2165538						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	14.45	1406391	2562859		0.549	dd	50.850	101.7	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				2412997						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	14.45	3045755	2386634		1.276	dd	1252.084	126.0	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	14.45	2991481	2118858		1.412	dd	1414.173	141.0	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				2341490						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				2277360						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				2264512						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				2356449						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	14.45	2652421	2550579		1.040	dd	100.612	100.6	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 6: Dinitrobenzene-d4 (IS) Sample List: ex27g03(08) Method File: ex27g03L
Response Factor: 2.52229e6
RRF SD: 49955.7, % Relative SD: 1.98057
Response type: External Std, Area
Curve type: RF

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank		14.75	2483330		2483329.750	bb	0.985	98.5	1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	1.00	14.75	2470534		2470533.500	bb	0.979	97.9	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	1.00	14.75	2569897		2569897.250	bb	1.019	101.9	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	1.00	14.75	2531624		2531623.750	bb	1.004	100.4	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	1.00	14.75	2527820		2527819.500	bb	1.002	100.2	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	1.00	14.75	2487316		2487315.500	bb	0.986	98.6	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	1.00	14.75	2469639		2469639.250	bb	0.979	97.9	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	1.00	14.75	2599201		2599200.750	bb	1.030	103.0	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank		14.75	2534483		2534482.500	bb	1.005	100.5	1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	1.00	14.68	2315294		2315294.000	bb	0.918	91.8	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	1.00	14.60	2449227		2449226.750	bb	0.971	97.1	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank		14.60	2553002		2553002.000	bb	1.012	101.2	100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	1.00	14.60	2431624		2431623.500	bb	0.964	96.4	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte		14.60	2476190		2476189.750	bb	0.982	98.2	100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte		14.60	2297077		2297077.000	bb	0.911	91.1	100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte		14.60	2290542		2290542.000	bb	0.908	90.8	100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte		14.60	2187520		2187519.500	bb	0.867	86.7	100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte		14.60	2319510		2319510.250	bb	0.920	92.0	100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte		14.60	2165538		2165537.500	bb	0.859	85.9	100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	1.00	14.60	2562859		2562859.000	bb	1.016	101.6	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte		14.60	2412997		2412996.500	bb	0.957	95.7	100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	1.00	14.53	2386634		2386634.250	bb	0.946	94.6	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1.00	14.60	2118858		2118857.750	bb	0.840	84.0	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte		14.60	2341490		2341490.000	bb	0.928	92.8	100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte		14.60	2277360		2277359.500	bb	0.903	90.3	100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte		14.60	2264512		2264511.500	bb	0.898	89.8	100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte		14.60	2356449		2356448.750	bb	0.934	93.4	100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	1.00	14.60	2550579		2550578.750	bb	1.011	101.1	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 7: 1,3-Dinitrobenzene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999650
Calibration curve: 0.00419343 * x + -0.000618849
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				2483330						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	14.97	51686	2470534		0.021	bb	5.137	102.7	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	14.90	102908	2569897		0.040	bb	9.697	97.0	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	14.90	267129	2531624		0.106	bb	25.310	101.2	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	14.90	516169	2527820		0.204	bb	48.842	97.7	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	14.90	1046103	2487316		0.421	bb	100.441	100.4	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	14.90	2116024	2469639		0.857	bb	204.471	102.2	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	14.90	3225786	2599201		1.241	bb	296.103	98.7	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				2534483						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	14.82	978546	2315294		0.423	bb	100.935	100.9	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	14.75	1054000	2449227		0.430	bb	102.770	102.8	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				2553002						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	14.75	1091053	2431624		0.449	bb	1069.328	107.1	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				2476190						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				2297077						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				2290542						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				2187520						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				2319510						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				2165538						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	14.75	531245	2562859		0.207	bb	49.579	99.2	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				2412997						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	14.67	1089819	2386634		0.457	bb	1083.900	109.0	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	14.75	1089366	2118858		0.514	bb	1231.204	122.8	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				2341490						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				2277360						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				2264512						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				2356449						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	14.75	1080596	2550579		0.424	bb	101.179	101.2	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 8: Nitrobenzene-d5 Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999673
Calibration curve: -8.84137e-7 * x^2 + 0.00601252 * x + -0.00231379
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank		15.87	712134	2483330		0.287	bb	48.424	96.8	1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	15.92	73242	2470534		0.030	bb	5.320	106.4	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	15.87	144499	2569897		0.056	bb	9.751	97.5	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	15.87	360179	2531624		0.142	bb	24.133	96.5	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	15.87	734208	2527820		0.290	bb	49.046	98.1	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	15.87	1472211	2487316		0.592	bb	100.307	100.3	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	15.83	2934619	2469639		1.188	bb	204.147	102.1	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	15.82	4436914	2599201		1.707	bb	297.294	99.1	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank		15.83	716804	2534483		0.283	bb	47.759	95.5	1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	15.83	1440063	2315294		0.622	bb	105.468	105.5	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	15.78	1373541	2449227		0.561	bb	94.985	95.0	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank		15.73	1310704	2553002		0.513	bb	892.021	86.9	100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	15.73	1307282	2431624		0.538	bb	908.375	91.0	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte		15.73	1372368	2476190		0.554	bb	937.650	93.9	100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte		15.68	1315282	2297077		0.573	bb	949.132	97.0	100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte		15.68	1337368	2290542		0.584	bb	1019.921	98.9	100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte		15.68	1335415	2187520		0.610	bb	1009.687	103.5	100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte		15.68	1378274	2319510		0.594	bb	1012.107	100.7	100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte		15.68	1311867	2165538		0.606	bb	1020.782	102.7	100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	15.73	700449	2562859		0.273	bb	46.154	92.3	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte		15.68	1361394	2412997		0.564	bb	958.515	95.6	100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	15.68	1355044	2386634		0.568	bb	956.016	96.2	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	15.68	1335024	2118858		0.630	bb	1071.779	106.9	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte		15.68	1391527	2341490		0.594	bb	1008.195	100.7	100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte		15.68	1264356	2277360		0.555	bb	934.621	94.0	100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte		15.68	1357334	2264512		0.599	bb	1027.234	102.6	100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte		15.68	1370629	2356449		0.582	bb	992.476	98.6	100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	15.73	1413562	2550579		0.554	bb	93.856	93.9	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

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Compound 9: Nitroglycerin Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.997846
Calibration curve: -2.74602e-7 * x^2 + 0.000235644 * x + 0.000106825
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				9247013						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	15.97	9498	8854521		0.001	dd	4.118	82.4	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	15.97	23178	8459041		0.003	db	11.324	113.2	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	15.97	52822	8424712		0.006	ds	27.004	108.0	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	15.97	90765	8068680		0.011	db	50.223	100.4	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	15.92	155860	7822615		0.020	db	94.507	94.5	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	15.92	251662	6868217		0.037	db	203.121	101.6	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	15.92	317340	6882511		0.046	db	300.314	100.1	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				9391482						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	15.87	184996	8359337		0.022	db	106.738	106.7	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	15.83	130965	5650716		0.023	db	112.704	112.7	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6944069						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	15.78	109104	6052821		0.018	db	841.591	84.3	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6565067						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6553836						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6427132						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6915807						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6821439						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6785837						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	15.78	82741	6031215		0.014	db	62.286	124.6	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6876979						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	15.73	92624	5792068		0.016	db	733.074	73.7	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	15.73	98708	5591481		0.018	db	826.155	82.4	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6700443						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6281623						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6466954						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6654994						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	15.78	123918	5595843		0.022	db	106.818	106.8	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 10: Nitrobenzene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.997767
Calibration curve: -3.34949e-6 * x^2 + 0.00658486 * x + -0.00711585
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				2483330						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	16.22	70959	2470534		0.029	bb	5.458	109.2	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	16.17	147477	2569897		0.057	bb	9.845	98.4	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	16.17	378786	2531624		0.150	bb	24.098	96.4	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	16.17	731662	2527820		0.289	bb	46.118	92.2	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	16.17	1542682	2487316		0.620	bb	100.396	100.4	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	16.17	3067242	2469639		1.242	bb	212.706	106.4	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	16.17	4227751	2599201		1.627	bb	291.241	97.1	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				2534483						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	16.12	1427204	2315294		0.616	bb	99.755	99.8	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	16.07	1426357	2449227		0.582	bb	94.018	94.0	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				2553002						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	16.02	1420341	2431624		0.584	bb	941.220	94.3	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				2476190						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				2297077						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				2290542						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				2187520						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				2319510						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				2165538						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	16.07	716817	2562859		0.280	bb	44.566	89.1	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				2412997						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	15.97	1531614	2386634		0.642	bb	1034.243	104.0	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	16.02	1487002	2118858		0.702	bb	1146.473	114.3	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				2341490						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				2277360						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				2264512						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				2356449						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	16.07	1493829	2550579		0.586	bb	94.574	94.6	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

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Compound 11: 2,4,6-Trinitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999307
Calibration curve: 0.0190795 * x + -0.0181506
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				2483330						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	17.71	218453	2470534		0.088	bb	5.586	111.7	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	17.64	377801	2569897		0.147	bb	8.656	86.6	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	17.71	1168217	2531624		0.461	bs	25.137	100.5	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	17.64	2356748	2527820		0.932	bs	49.817	99.6	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	17.64	4744771	2487316		1.908	bs	100.933	100.9	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	17.64	9562401	2469639		3.872	bs	203.891	101.9	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	17.64	14630883	2599201		5.629	bs	295.980	98.7	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				2534483						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	17.56	3928066	2315294		1.697	bs	89.873	89.9	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	17.48	5079250	2449227		2.074	bs	109.645	109.6	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				2553002						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	17.44	5064618	2431624		2.083	bs	1098.968	110.1	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				2476190						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				2297077						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				2290542						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				2187520						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				2319510						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				2165538						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	17.48	2590236	2562859		1.011	bs	53.924	107.8	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				2412997						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	17.44	5207853	2386634		2.182	bs	1146.321	115.3	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	17.43	5285107	2118858		2.494	bs	1320.808	131.7	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				2341490						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				2277360						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				2264512						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				2356449						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	17.48	5334486	2550579		2.091	bs	110.571	110.6	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 12: 4-Amino-2,6-dinitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999525
Calibration curve: 0.0120526 * x + -0.00561967
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				2483330						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	18.85	141472	2470534		0.057	dd	5.217	104.3	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	18.77	280392	2569897		0.109	dd	9.519	95.2	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	18.77	743691	2531624		0.294	dd	24.839	99.4	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	18.77	1509561	2527820		0.597	dd	50.014	100.0	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	18.77	2985585	2487316		1.200	dd	100.057	100.1	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	18.77	6100715	2469639		2.470	dd	205.425	102.7	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	18.77	9224682	2599201		3.549	dd	294.929	98.3	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				2534483						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	18.70	2769603	2315294		1.196	dd	99.716	99.7	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	18.62	3091068	2449227		1.262	dd	105.179	105.2	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				2553002						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	18.55	2854404	2431624		1.174	dd	976.662	97.9	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				2476190						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				2297077						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				2290542						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				2187520						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				2319510						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				2165538						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	18.62	1632337	2562859		0.637	dd	53.311	106.6	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				2412997						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	18.55	2845387	2386634		1.192	dd	987.913	99.4	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	18.55	2851616	2118858		1.346	dd	1124.663	112.1	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				2341490						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				2277360						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				2264512						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				2356449						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	18.62	3255062	2550579		1.276	dd	106.352	106.4	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 13: 2-Amino-4,6-dinitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.997034
Calibration curve: 0.00802202 * x + 0.00409045
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				2483330						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	20.21	101118	2470534		0.041	db	4.592	91.8	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	20.21	202101	2569897		0.079	db	9.293	92.9	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	20.21	535147	2531624		0.211	db	25.841	103.4	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	20.21	1125158	2527820		0.445	ds	54.976	110.0	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	20.21	2077381	2487316		0.835	db	103.602	103.6	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	20.21	4099869	2469639		1.660	db	206.434	103.2	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	20.14	5958576	2599201		2.292	db	285.261	95.1	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				2534483						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	20.14	1695556	2315294		0.732	db	90.780	90.8	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	19.98	2166886	2449227		0.885	ds	109.777	109.8	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				2553002						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	19.91	1842830	2431624		0.758	db	937.750	94.0	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				2476190						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				2297077						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				2290542						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				2187520						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				2319510						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				2165538						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	19.98	991985	2562859		0.387	db	47.740	95.5	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				2412997						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	19.91	1812824	2386634		0.760	db	936.144	94.2	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	19.91	1753999	2118858		0.828	db	1029.905	102.7	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				2341490						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				2277360						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				2264512						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				2356449						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	19.98	2003015	2550579		0.785	db	97.385	97.4	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 14: 2,6-Dinitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.997761
Calibration curve: 0.00981030 * x + -0.00410425
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				7609945						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	20.31	342389	7460734		0.046	bd	5.096	101.9	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	20.24	688091	7577629		0.091	bd	9.675	96.7	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	20.31	1811698	7518948		0.241	bd	24.979	99.9	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	20.24	3619237	7562916		0.479	bd	49.199	98.4	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	20.24	7427538	7530628		0.986	bd	100.957	101.0	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	20.24	15285038	7358520		2.077	bd	212.154	106.1	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	20.24	21702622	7694109		2.821	bd	287.941	96.0	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				7441930						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	20.16	6886421	6886993		1.000	bd	102.344	102.3	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	20.09	6805124	6946790		0.980	bd	100.273	100.3	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6917716						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	20.01	7002999	6805748		1.029	bd	1050.962	105.3	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6780934						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6392645						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6284284						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6126544						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6457519						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6058879						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	20.09	3540058	7341061		0.482	bd	49.574	99.1	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6580672						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	20.01	7121410	6638202		1.073	bd	1091.173	109.8	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	20.01	7177614	5895853		1.217	bd	1248.871	124.5	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6339089						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6384339						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6235018						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6390582						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	20.09	7280792	7263141		1.002	bd	102.600	102.6	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 15: 2,4-Dinitrotoluene-d3 Sample List: ex27g03(08) Method File: ex27g03L
Response Factor: 7.52907e6
RRF SD: 103765, % Relative SD: 1.37820
Response type: External Std, Area
Curve type: RF

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank		21.15	7609945		7609944.500	ds	1.011	101.1	1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	1.00	21.15	7460734		7460733.500	ds	0.991	99.1	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	1.00	21.15	7577629		7577629.000	ds	1.006	100.6	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	1.00	21.15	7518948		7518948.000	ds	0.999	99.9	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	1.00	21.07	7562916		7562916.000	ds	1.004	100.4	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	1.00	21.07	7530628		7530627.500	ds	1.000	100.0	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	1.00	21.07	7358520		7358519.500	ds	0.977	97.7	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	1.00	21.07	7694109		7694109.000	ds	1.022	102.2	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank		21.07	7441930		7441929.500	ds	0.988	98.8	1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	1.00	21.00	6886993		6886993.000	ds	0.915	91.5	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	1.00	20.92	6946790		6946790.000	ds	0.923	92.3	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank		20.84	6917716		6917715.500	ds	0.919	91.9	100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	1.00	20.84	6805748		6805747.500	ds	0.904	90.4	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte		20.84	6780934		6780934.000	ds	0.901	90.1	100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte		20.84	6392645		6392644.500	ds	0.849	84.9	100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte		20.84	6284284		6284284.000	ds	0.835	83.5	100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte		20.84	6126544		6126543.500	ds	0.814	81.4	100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte		20.84	6457519		6457519.000	ds	0.858	85.8	100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte		20.84	6058879		6058879.000	ds	0.805	80.5	100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	1.00	20.92	7341061		7341060.500	ds	0.975	97.5	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte		20.84	6580672		6580671.500	ds	0.874	87.4	100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	1.00	20.84	6638202		6638201.500	ds	0.882	88.2	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1.00	20.84	5895853		5895853.000	ds	0.783	78.3	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte		20.84	6339089		6339088.500	ds	0.842	84.2	100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte		20.84	6384339		6384338.500	ds	0.848	84.8	100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte		20.84	6235018		6235018.000	ds	0.828	82.8	100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte		20.84	6390582		6390581.500	ds	0.849	84.9	100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	1.00	20.92	7263141		7263141.000	ds	0.965	96.5	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 16: 2,4-Dinitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.999693
Calibration curve: 0.00474136 * x + -0.00291998
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				7609945						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	21.30	166643	7460734		0.022	db	5.327	106.5	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	21.30	327856	7577629		0.043	db	9.741	97.4	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	21.30	872360	7518948		0.116	db	25.086	100.3	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	21.30	1709104	7562916		0.226	db	48.278	96.6	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	21.30	3467847	7530628		0.460	db	97.740	97.7	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	21.22	6985131	7358520		0.949	db	200.824	100.4	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	21.22	11031278	7694109		1.434	db	303.004	101.0	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				7441930						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	21.22	3245122	6886993		0.471	db	99.996	100.0	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	21.07	3560292	6946790		0.513	db	108.709	108.7	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6917716						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	21.00	3456437	6805748		0.508	db	1075.158	107.7	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6780934						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6392645						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6284284						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6126544						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6457519						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6058879						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	21.07	1819287	7341061		0.248	db	52.884	105.8	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6580672						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	21.00	3737474	6638202		0.563	db	1186.516	119.4	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	21.00	3386469	5895853		0.574	db	1221.251	121.8	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6339089						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6384339						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6235018						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6390582						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	21.07	3629111	7263141		0.500	db	105.999	106.0	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 17: 2-Nitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.997689
Calibration curve: -1.61925e-6 * x^2 + 0.00338844 * x + -0.00292079
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				7609945						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	23.81	114673	7460734		0.015	bb	5.412	108.2	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	23.79	228094	7577629		0.030	bb	9.791	97.9	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	23.79	596733	7518948		0.079	bb	24.573	98.3	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	23.79	1139734	7562916		0.151	bb	46.364	92.7	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	23.76	2385674	7530628		0.317	bb	99.043	99.0	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	23.76	4761474	7358520		0.647	bb	213.636	106.8	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	23.73	6510894	7694109		0.846	bb	291.091	97.0	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				7441930						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	23.68	2184552	6886993		0.317	bb	99.175	99.2	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	23.60	2225433	6946790		0.320	bb	100.204	100.2	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6917716						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	23.54	2195657	6805748		0.323	bb	1007.412	100.9	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6780934						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6392645						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6284284						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6126544						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6457519						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6058879						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	23.54	1094861	7341061		0.149	bb	45.883	91.8	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6580672						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	23.49	2371926	6638202		0.357	bd	1116.745	112.3	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	23.52	2311817	5895853		0.392	bd	1242.929	123.9	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6339089						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6384339						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6235018						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6390582						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	23.57	2304112	7263141		0.317	bb	99.186	99.2	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 18: PETN Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.997619
Calibration curve: -3.40292e-6 * x^2 + 0.00236494 * x + 0.00374444
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				7609945						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	24.94	105999	7460734		0.014	bb	4.453	89.1	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	24.92	206594	7577629		0.027	bb	10.091	100.9	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	24.89	502147	7518948		0.067	bb	27.765	111.1	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	24.89	889722	7562916		0.118	bb	52.061	104.1	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	24.86	1506818	7530628		0.200	bb	96.394	96.4	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	24.89	2420903	7358520		0.329	bb	188.843	94.4	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	24.83	3197440	7694109		0.416	bbI			1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				7441930						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	24.78	1386930	6886993		0.201	bb	97.151	97.2	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	24.59	1455089	6946790		0.209	bb	101.939	101.9	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6917716						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	24.54	1364360	6805748		0.200	bb	964.238	96.6	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6780934						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6392645						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6284284						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6126544						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6457519						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6058879						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	24.57	784116	7341061		0.107	bb	46.723	93.4	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6580672						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	24.51	1231302	6638202		0.185	bb	874.639	88.0	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	24.51	1270688	5895853		0.216	bb	1059.098	105.6	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6339089						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6384339						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6235018						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6390582						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	24.57	1375950	7263141		0.189	bb	90.238	90.2	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

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Compound 19: 4-Nitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.998228
Calibration curve: -1.15161e-6 * x^2 + 0.00239724 * x + -0.00191406
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				7609945						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	25.48	80694	7460734		0.011	bb	5.324	106.5	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	25.45	165047	7577629		0.022	bb	9.932	99.3	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	25.45	423113	7518948		0.056	bb	24.562	98.2	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	25.45	811903	7562916		0.107	bb	46.625	93.2	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	25.43	1695363	7530628		0.225	bb	99.463	99.5	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	25.40	3341494	7358520		0.454	bb	211.767	105.9	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	25.40	4618617	7694109		0.600	bb	292.226	97.4	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				7441930						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	25.35	1546850	6886993		0.225	bb	99.221	99.2	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	25.24	1607095	6946790		0.231	bb	102.333	102.3	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6917716						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	25.18	1573694	6805748		0.231	bb	1020.766	102.3	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6780934						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6392645						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6284284						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6126544						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6457519						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6058879						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	25.21	793413	7341061		0.108	bb	46.942	93.9	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6580672						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	25.13	1645717	6638202		0.248	bb	1093.755	110.0	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	25.16	1620290	5895853		0.275	bb	1230.355	122.7	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6339089						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6384339						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6235018						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6390582						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	25.18	1645875	7263141		0.227	bb	100.144	100.1	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:32 2007

Compound 20: 3-Nitrotoluene Sample List: ex27g03(08) Method File: ex27g03L
Coefficient of Determination: 0.998250
Calibration curve: -8.01427e-7 * x^2 + 0.00178750 * x + -0.00125387
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std C..	RT	Area	IS Area	Ion..	Response	Flags	Result(µg/L or k..	%Rec	Vf(mL)	Vs(mL or g)	DF	Inj	Cal.File
1	ex27g0303	1.11.5	blank	Blank				7609945						1.000	1.000	1.00	50	ex27g03L
2	ex27g0304	1.11.6	5 ug/L	Standard	5.00	27.20	60610	7460734		0.008	bb	5.259	105.2	1.000	1.000	1.00	50	ex27g03L
3	ex27g0305	1.11.7	10 µg/L	Standard	10.00	27.18	125705	7577629		0.017	bb	10.027	100.3	1.000	1.000	1.00	50	ex27g03L
4	ex27g0306	1.11.8	25 ug/L	Standard	25.00	27.15	319694	7518948		0.043	bb	24.763	99.1	1.000	1.000	1.00	50	ex27g03L
5	ex27g0307	1.11.9	50 ug/L	Standard	50.00	27.15	605132	7562916		0.080	bb	46.430	92.9	1.000	1.000	1.00	50	ex27g03L
6	ex27g0308	1.11.10	100 ug/L	Standard	100.00	27.15	1269424	7530628		0.169	bb	99.438	99.4	1.000	1.000	1.00	50	ex27g03L
7	ex27g0309	1.11.11	200 ug/L	Standard	200.00	27.12	2508689	7358520		0.341	bb	211.479	105.7	1.000	1.000	1.00	50	ex27g03L
8	ex27g0310	1.11.12	300 ug/L	Standard	300.00	27.10	3485901	7694109		0.453	bb	292.528	97.5	1.000	1.000	1.00	50	ex27g03L
9	ex27g0311	1.11.5	blank	Blank				7441930						1.000	1.000	1.00	50	ex27g03L
10	ex27g0312	1.11.13	ICV 100 ug/L	QC	100.00	27.04	1155801	6886993		0.168	bb	98.981	99.0	1.000	1.000	1.00	50	ex27g03L
11	ex27g0472	1.11.10	100 ug/L CCV	QC	100.00	26.93	1220035	6946790		0.176	bb	103.782	103.8	1.000	1.000	1.00	50	ex27g03L
12	ex27g0473	J177N1AA	R7G020000-436 MB	Blank				6917716						100...	9.740	1.00	50	ex27g03L
13	ex27g0474	J177N1AC	R7G020000-436 LCS	QC	998.00	26.85	1187071	6805748		0.174	bb	1028.345	103.0	100...	10.020	1.00	50	ex27g03L
14	ex27g0475	J1XHL1A4	D7F270299-001	Analyte				6780934						100...	10.010	1.00	50	ex27g03L
15	ex27g0476	J1XHR1AF	D7F270299-002	Analyte				6392645						100...	10.220	1.00	50	ex27g03L
16	ex27g0477	J1XHT1AF	D7F270299-003	Analyte				6284284						100...	9.700	1.00	50	ex27g03L
17	ex27g0478	J1XHV1AF	D7F270299-004	Analyte				6126544						100...	10.250	1.00	50	ex27g03L
18	ex27g0479	J1XHX1AF	D7F270299-005	Analyte				6457519						100...	9.950	1.00	50	ex27g03L
19	ex27g0480	J1XH01AF	D7F270299-006	Analyte				6058879						100...	10.060	1.00	50	ex27g03L
20	ex27g0481	1.11.9	50 ug/L CCV	QC	50.00	26.91	588809	7341061		0.080	bb	46.544	93.1	1.000	1.000	1.00	50	ex27g03L
21	ex27g0482	J1XH11AF	D7F270299-007	Analyte				6580672						100...	9.970	1.00	50	ex27g03L
22	ex27g0483	J1XH11CQ	D7F270299-007 MS	QC	994.04	26.83	1229309	6638202		0.185	bb	1090.433	109.7	100...	10.060	1.00	50	ex27g03L
23	ex27g0484	J1XH11CR	D7F270299-007 MSD	QC	1003.01	26.83	1188572	5895853		0.202	bb	1202.909	119.9	100...	9.970	1.00	50	ex27g03L
24	ex27g0485	J1XH41AF	D7F270299-008	Analyte				6339089						100...	9.990	1.00	50	ex27g03L
25	ex27g0486	J1XH61AF	D7F270299-009	Analyte				6384339						100...	10.060	1.00	50	ex27g03L
26	ex27g0487	J1XH81AF	D7F270299-010	Analyte				6235018						100...	9.890	1.00	50	ex27g03L
27	ex27g0488	J1XH91AF	D7F270299-011	Analyte				6390582						100...	9.930	1.00	50	ex27g03L
28	ex27g0489	1.11.10	100 ug/L CCV	QC	100.00	26.88	1242426	7263141		0.171	bb	100.969	101.0	1.000	1.000	1.00	50	ex27g03L

Analyst: Andrew Meyer

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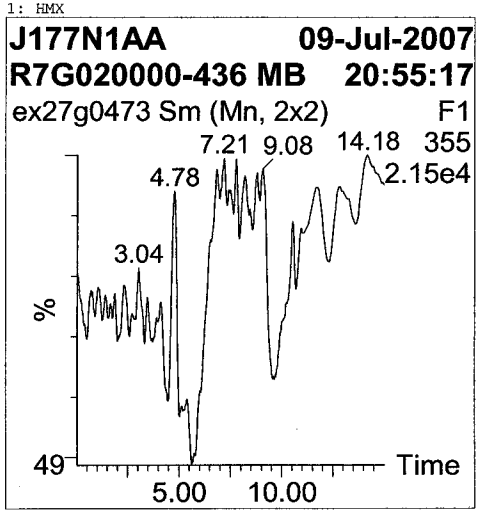
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

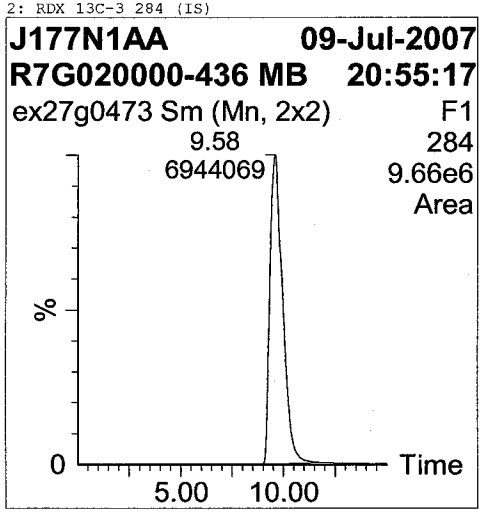
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0473
Text: R7G020000-436 MB

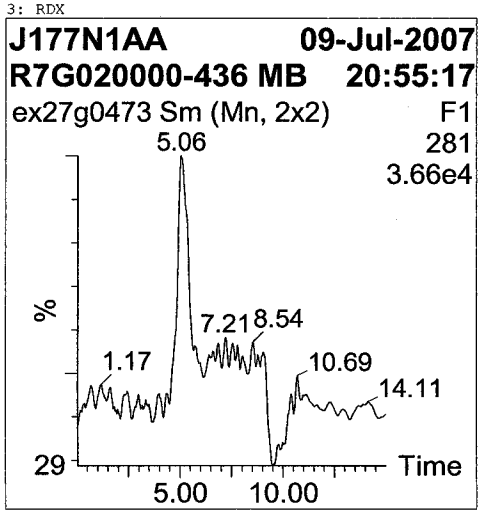
1: HMX



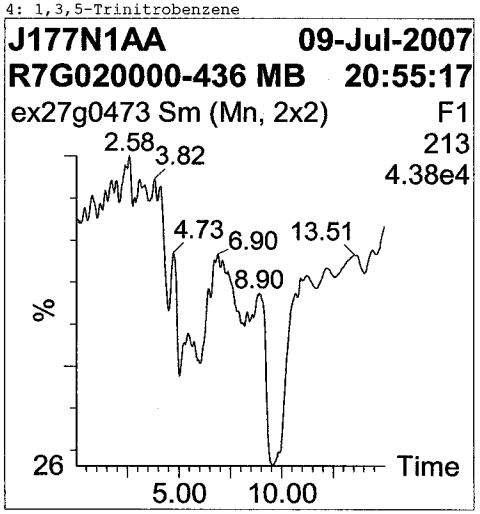
2: RDX 13C-3 284 (IS)



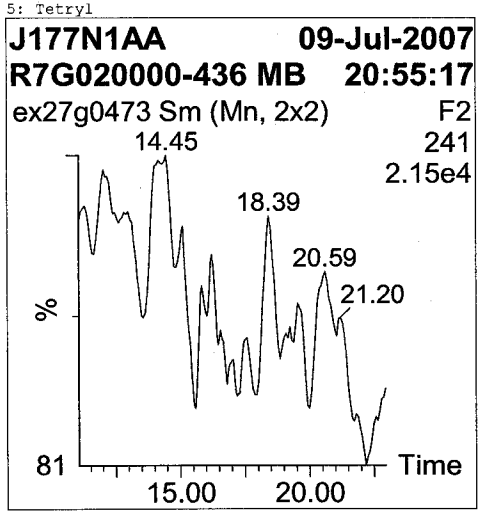
3: RDX



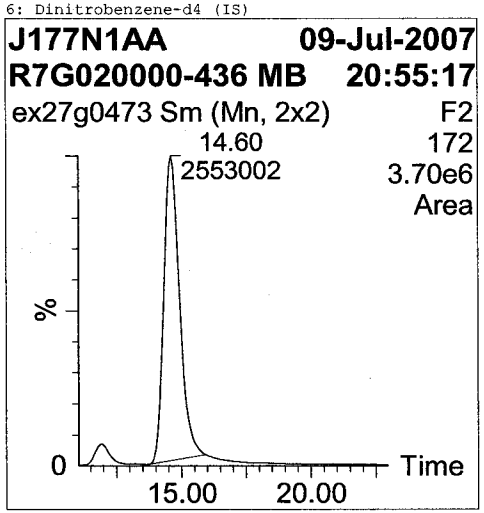
4: 1,3,5-Trinitrobenzene



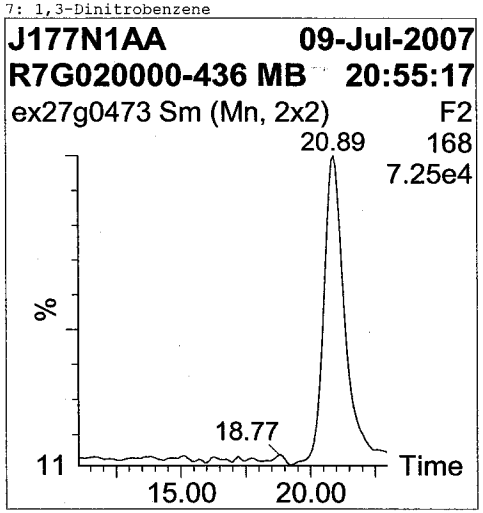
5: Tetryl



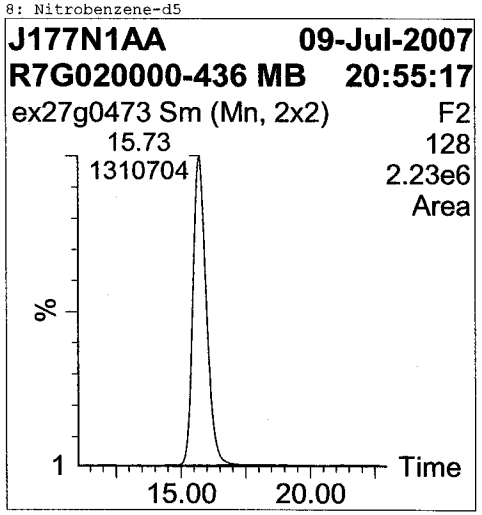
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

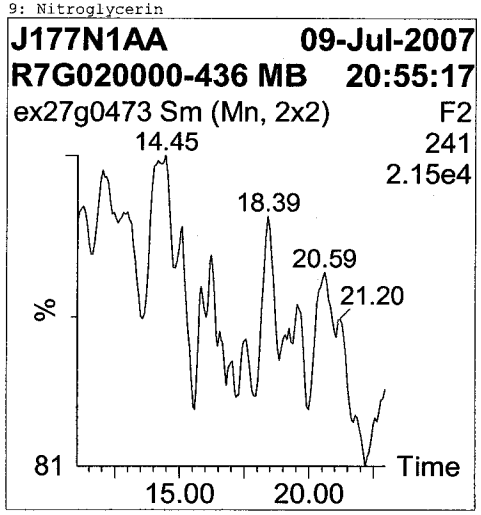
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

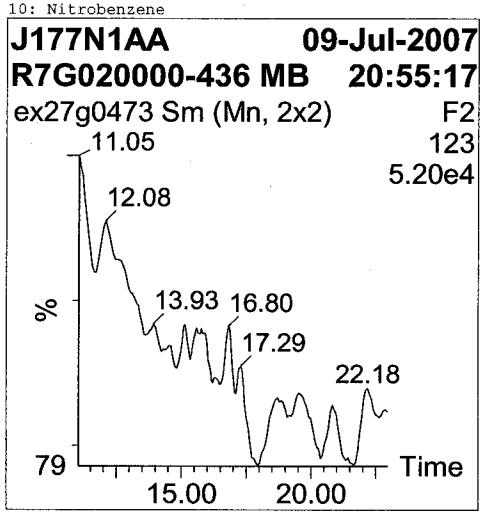
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0473
Text: R7G020000-436 MB

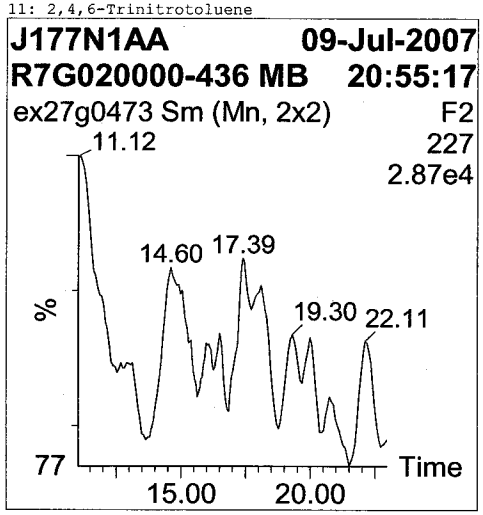
9: Nitroglycerin



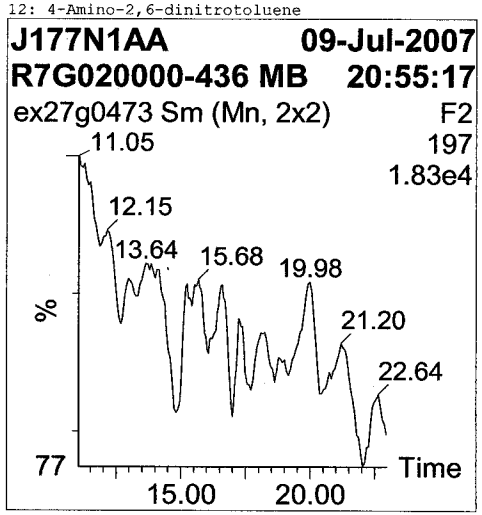
10: Nitrobenzene



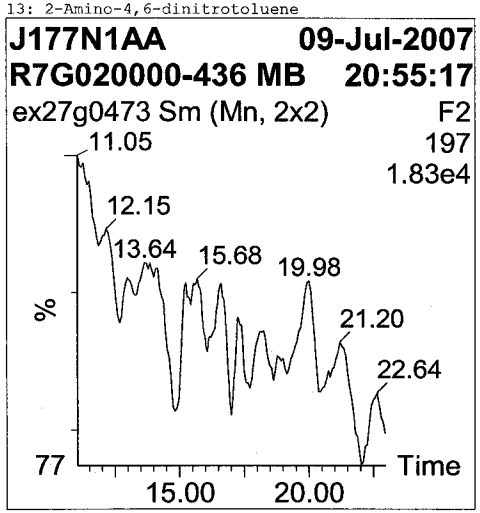
11: 2,4,6-Trinitrotoluene



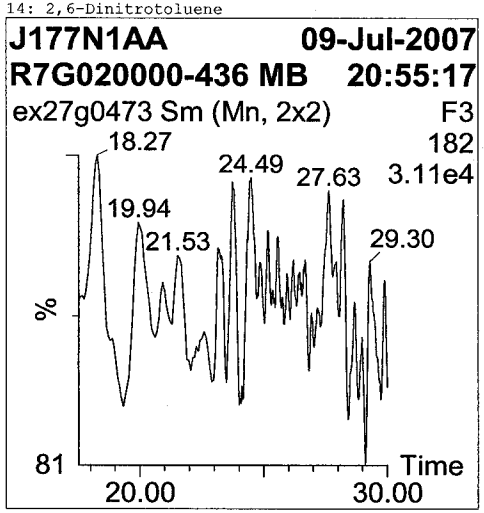
12: 4-Amino-2,6-dinitrotoluene



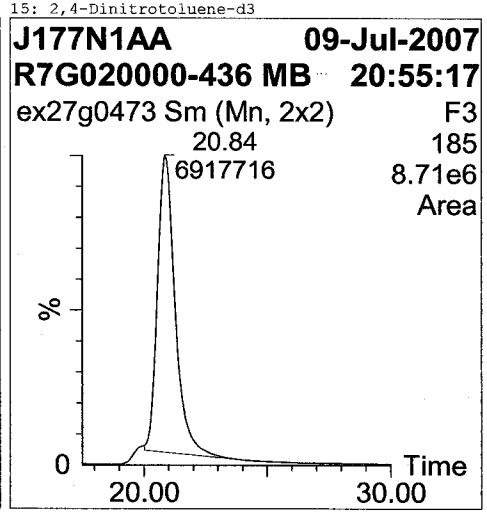
13: 2-Amino-4,6-dinitrotoluene



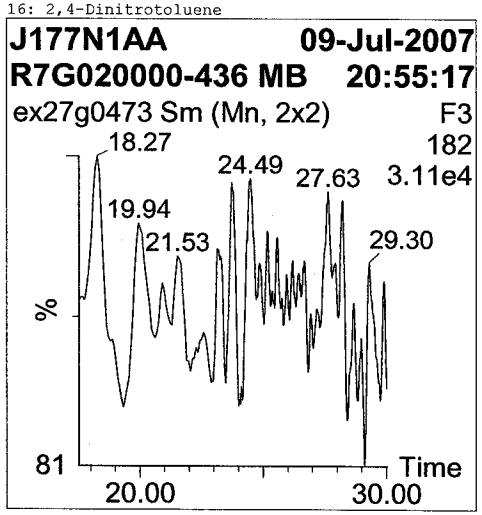
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

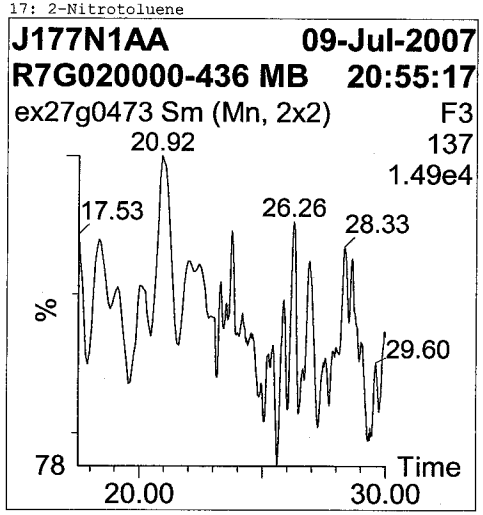
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

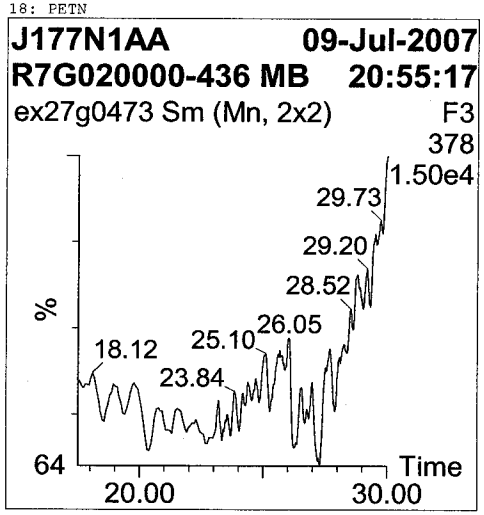
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0473
Text: R7G020000-436 MB

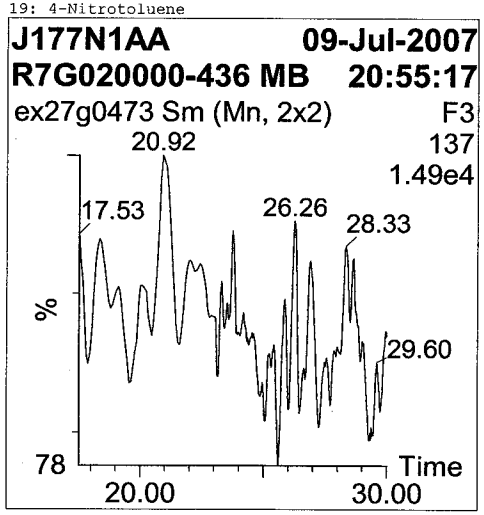
17: 2-Nitrotoluene



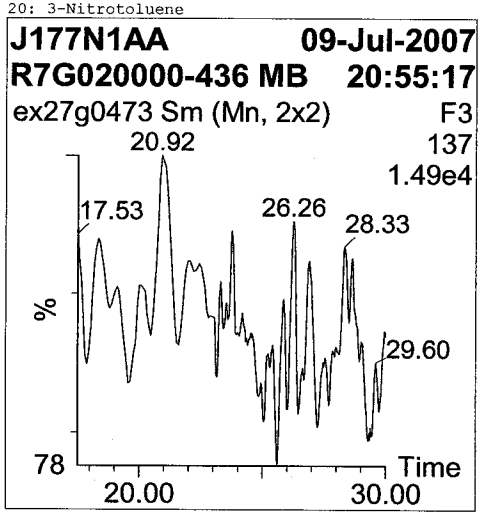
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			6944069						
4	1,3,5-Trinitrobenzene			2553002						
5	Tetryl			2553002						
6	Dinitrobenzene-d4 (IS)	14.60	2553002		2553002..	bb	1.012	101.22		
7	1,3-Dinitrobenzene			2553002						
8	Nitrobenzene-d5	15.73	1310704	2553002	0.513	bb	892.021	86.88		
9	Nitroglycerin			6944069						
10	Nitrobenzene			2553002						
11	2,4,6-Trinitrotoluene			2553002						
12	4-Amino-2,6-dinitrotoluene			2553002						
13	2-Amino-4,6-dinitrotoluene			2553002						
14	2,6-Dinitrotoluene			6917716						
15	2,4-Dinitrotoluene-d3	20.84	6917716		6917715..	ds	0.919	91.88		
16	2,4-Dinitrotoluene			6917716						
17	2-Nitrotoluene			6917716						
18	PETN			6917716						
19	4-Nitrotoluene			6917716						
20	3-Nitrotoluene			6917716						

Analyst: Andrew Meyer

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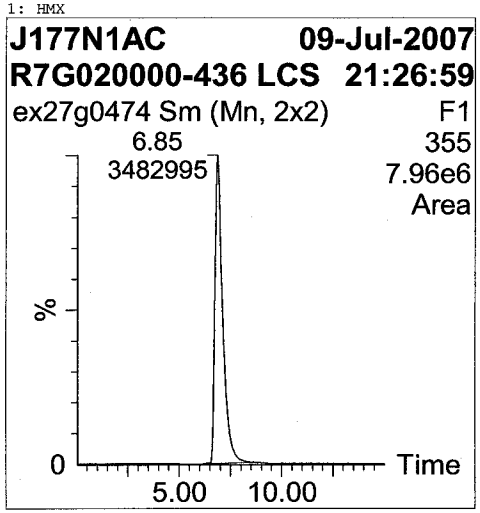
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

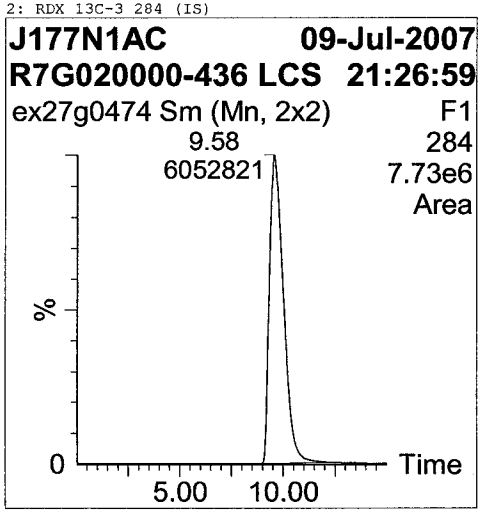
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0474
Text: R7G020000-436 LCS

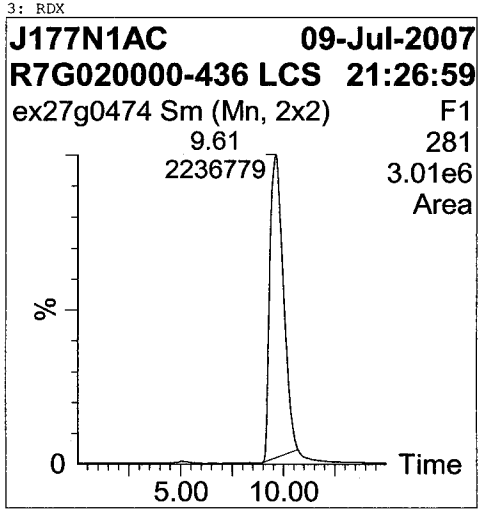
1: HMX



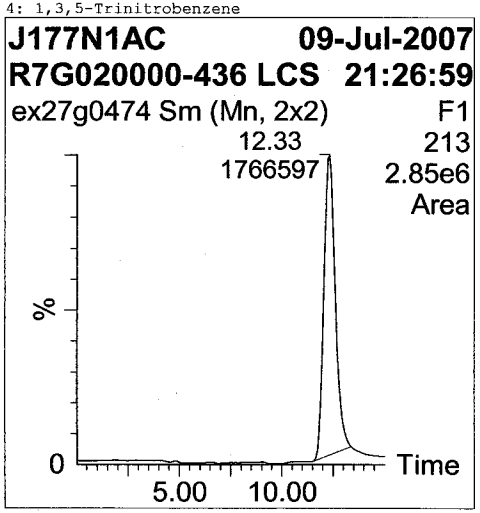
2: RDX 13C-3 284 (IS)



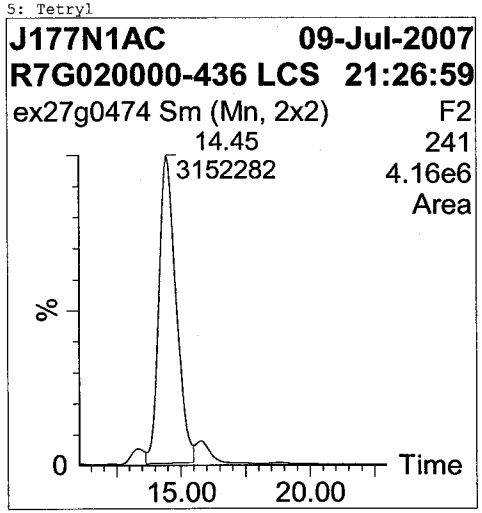
3: RDX



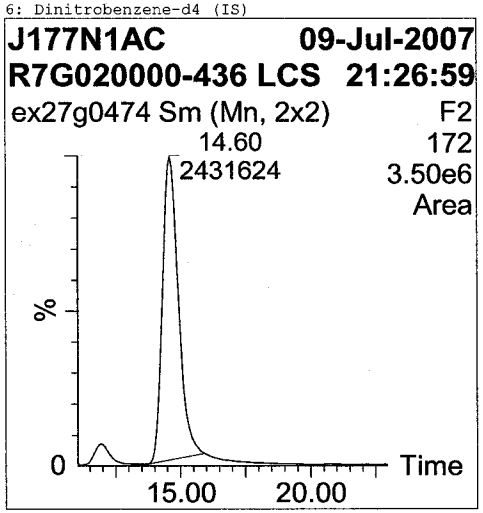
4: 1,3,5-Trinitrobenzene



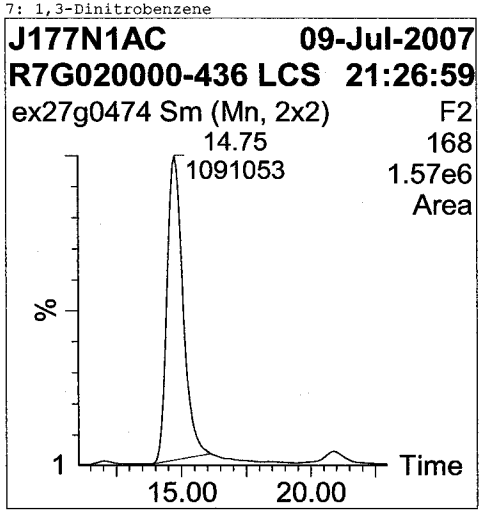
5: Tetryl



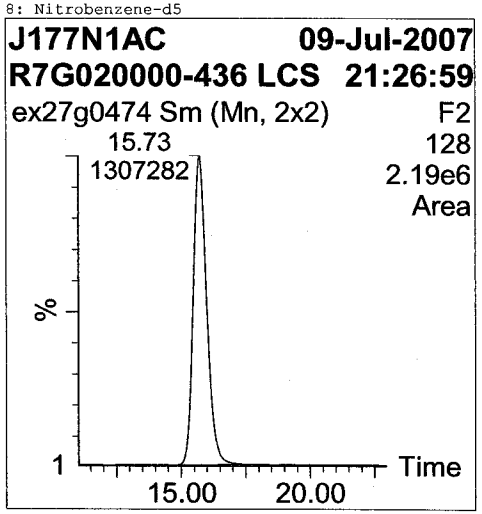
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

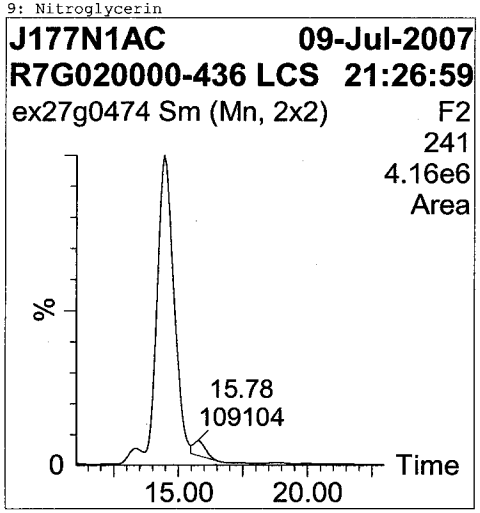
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

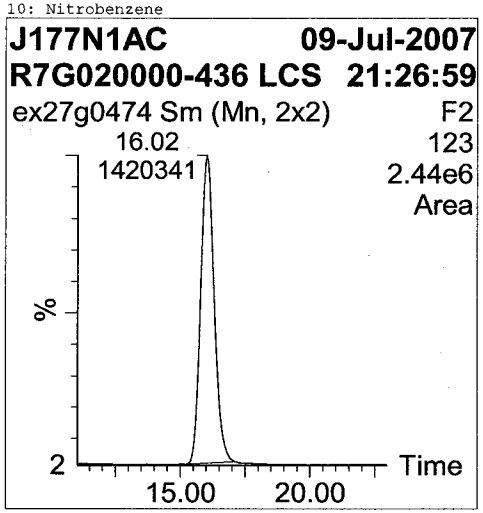
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0474
Text: R7G020000-436 LCS

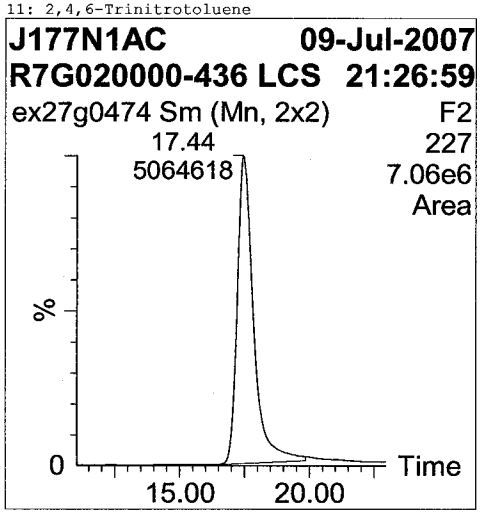
9: Nitroglycerin



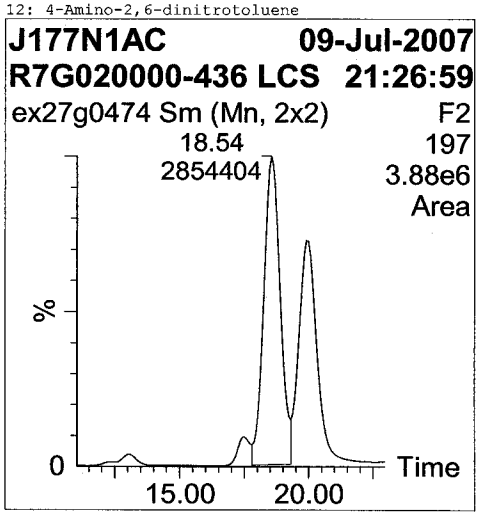
10: Nitrobenzene



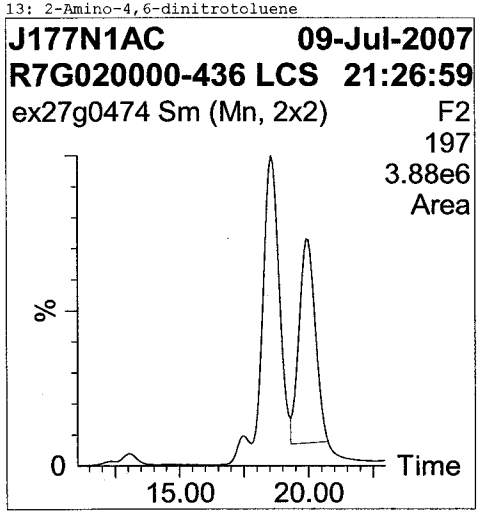
11: 2,4,6-Trinitrotoluene



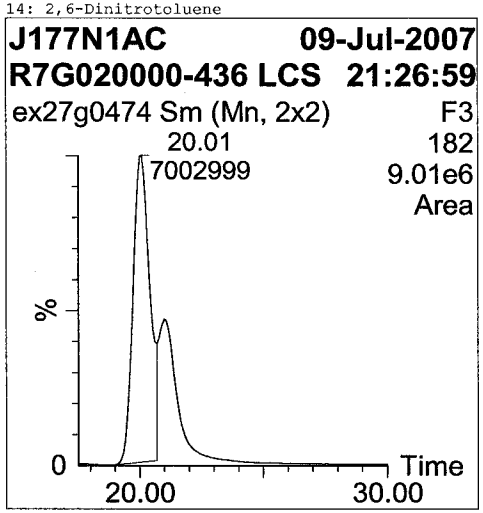
12: 4-Amino-2,6-dinitrotoluene



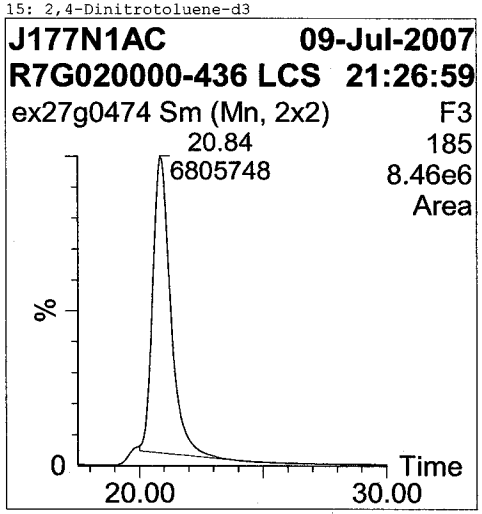
13: 2-Amino-4,6-dinitrotoluene



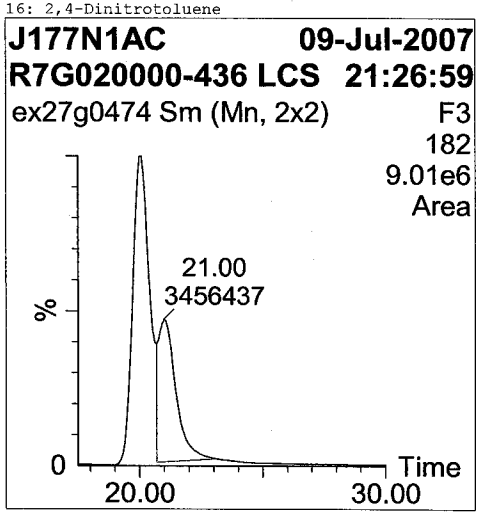
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

Quantify Sample Report
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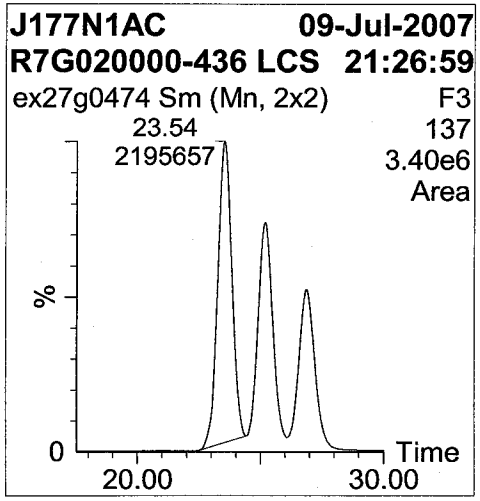
Job Code:

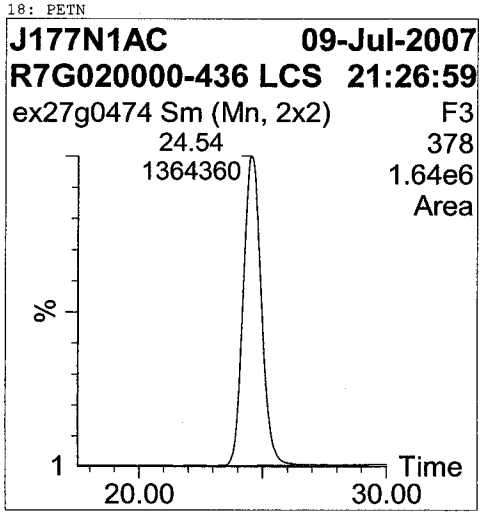
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0474
Text: R7G020000-436 LCS

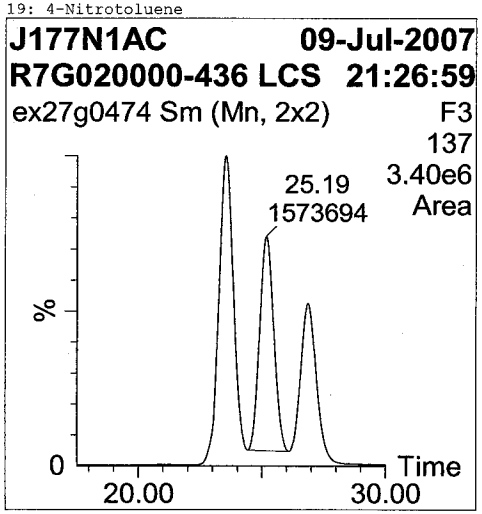
17: 2-Nitrotoluene



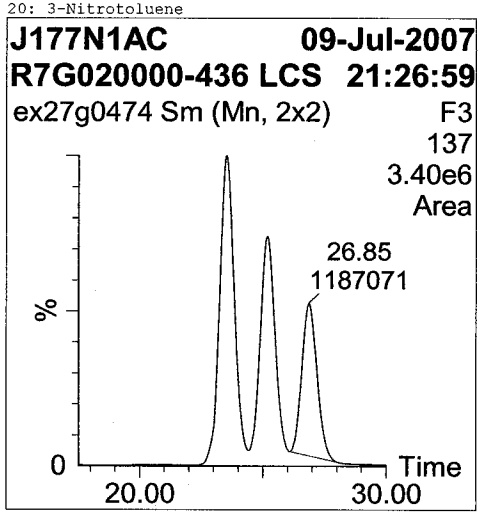
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX	9.61	2236779	6052821	0.370	bb	1012.519	101.45		
4	1,3,5-Trinitrobenzene	12.33	1766597	2431624	0.727	bb	1143.550	114.58		
5	Tetryl	14.45	3152282	2431624	1.296	dd	1279.189	128.17		
6	Dinitrobenzene-d4 (IS)	14.60	2431624		2431623..	bb	0.964	96.41		
7	1,3-Dinitrobenzene	14.75	1091053	2431624	0.449	bb	1069.328	107.15		
8	Nitrobenzene-d5	15.73	1307282	2431624	0.538	bb	908.375	91.02		
9	Nitroglycerin	15.78	109104	6052821	0.018	db	841.591	84.33		
10	Nitrobenzene	16.02	1420341	2431624	0.584	bb	941.220	94.31		
11	2,4,6-Trinitrotoluene	17.44	5064618	2431624	2.083	bs	1098.968	110.12		
12	4-Amino-2,6-dinitrotoluene	18.55	2854404	2431624	1.174	dd	976.662	97.86		
13	2-Amino-4,6-dinitrotoluene	19.91	1842830	2431624	0.758	db	937.750	93.96		
14	2,6-Dinitrotoluene	20.01	7002999	6805748	1.029	bd	1050.962	105.31		
15	2,4-Dinitrotoluene-d3	20.84	6805748		6805747..	ds	0.904	90.39		
16	2,4-Dinitrotoluene	21.00	3456437	6805748	0.508	db	1075.158	107.73		
17	2-Nitrotoluene	23.54	2195657	6805748	0.323	bb	1007.412	100.94		
18	PETN	24.54	1364360	6805748	0.200	bb	964.238	96.62		
19	4-Nitrotoluene	25.18	1573694	6805748	0.231	bb	1020.766	102.28		
20	3-Nitrotoluene	26.85	1187071	6805748	0.174	bb	1028.345	103.04		

Analyst: Andrew Meyer

Quantify Sample Report
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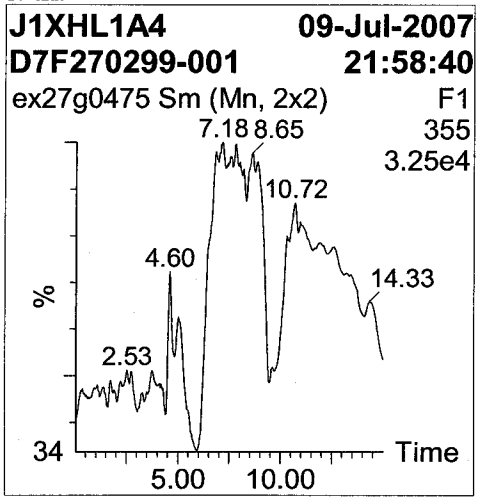
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

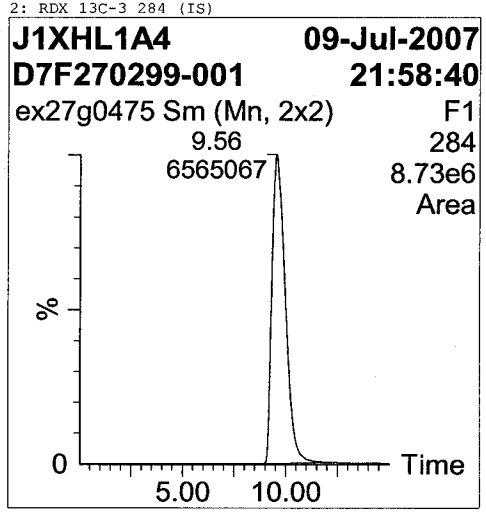
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0475
Text: D7F270299-001

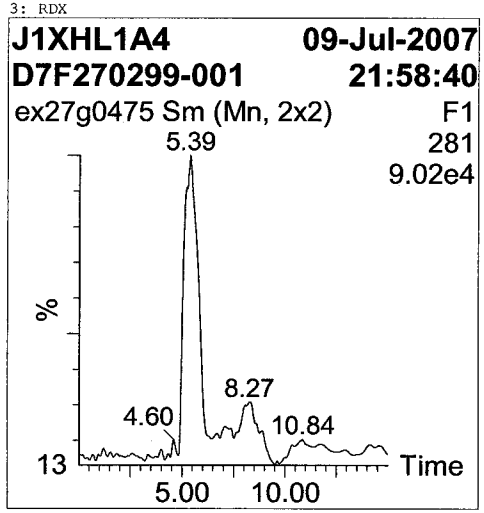
1: HMX



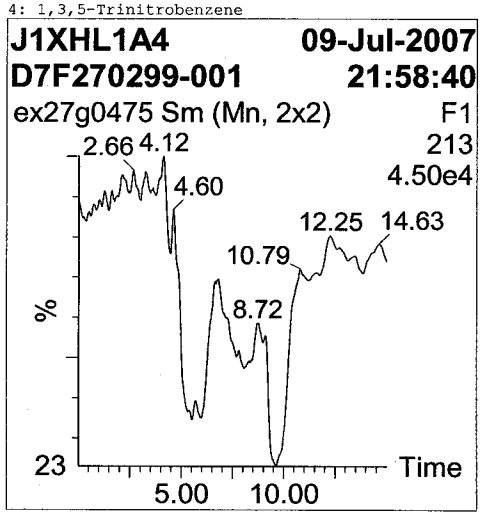
2: RDX 13C-3 284 (IS)



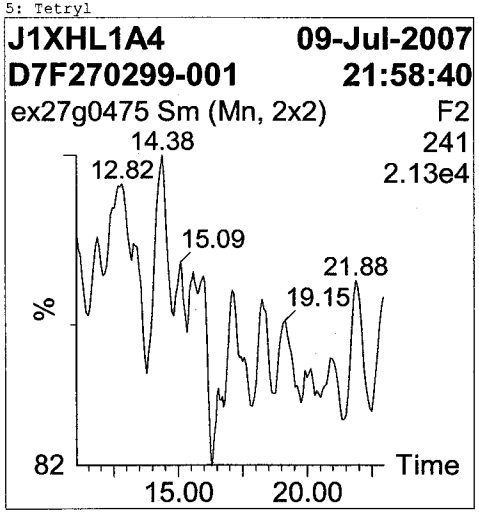
3: RDX



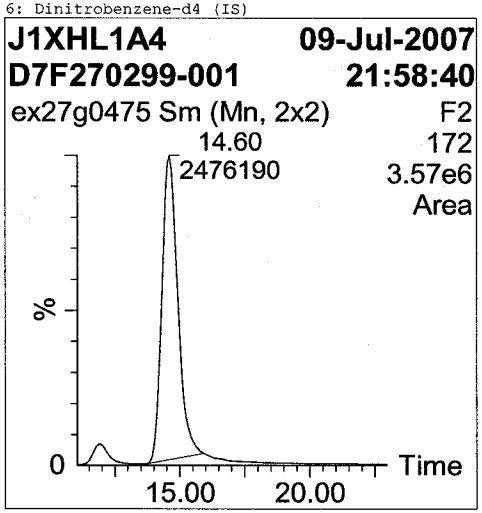
4: 1,3,5-Trinitrobenzene



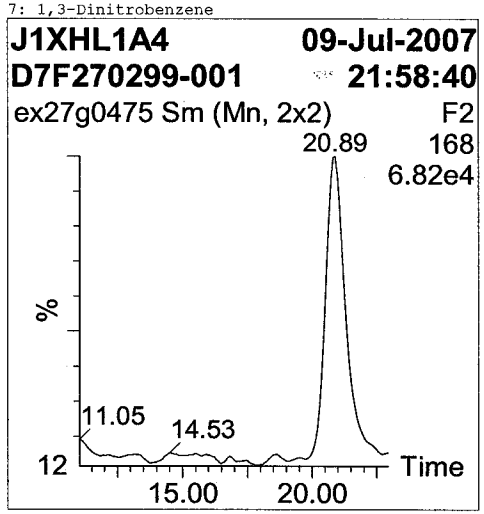
5: Tetryl



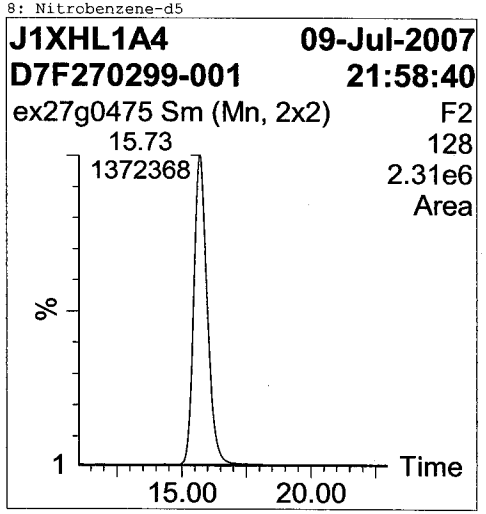
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

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Last modified: Thu Jul 05 08:40:10 2007
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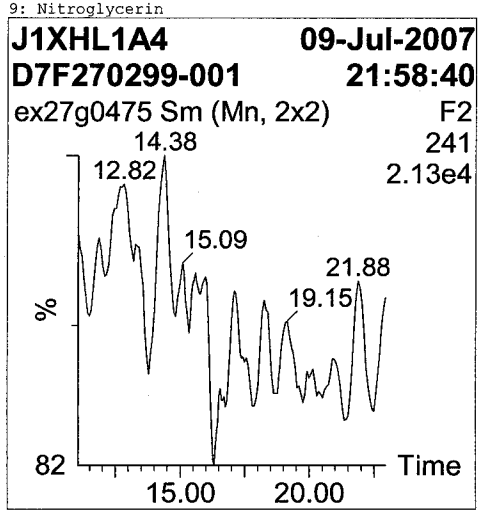
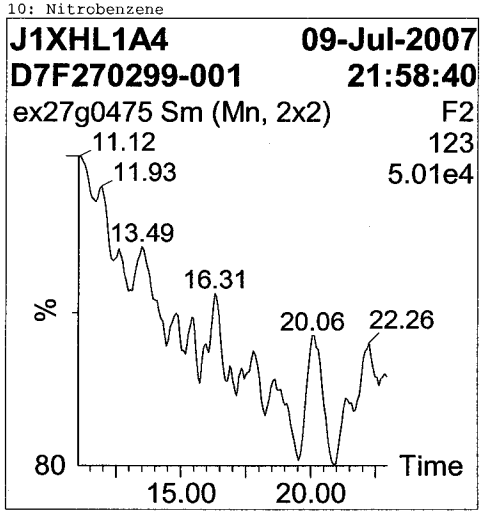
Name: ex27g0475
Text: D7F270299-001

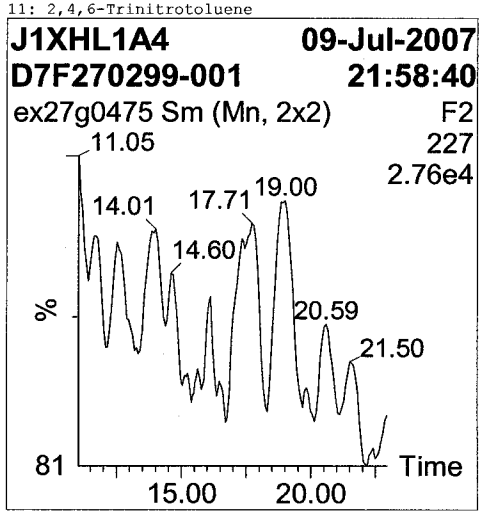
9: Nitroglycerin



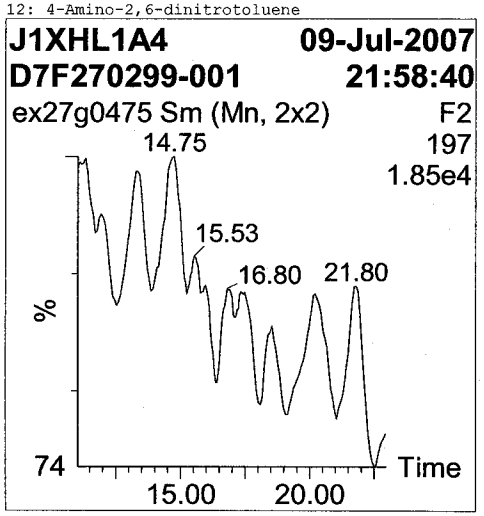
10: Nitrobenzene



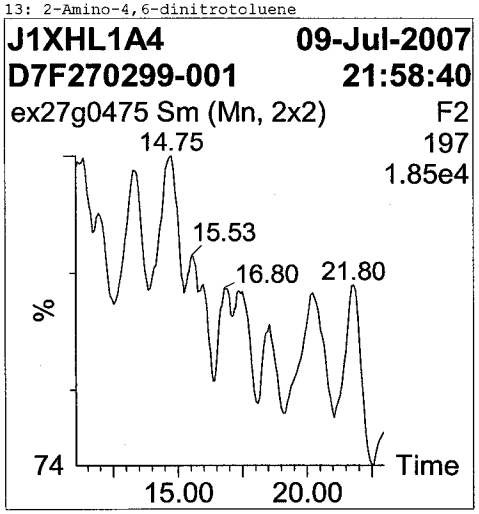
11: 2,4,6-Trinitrotoluene



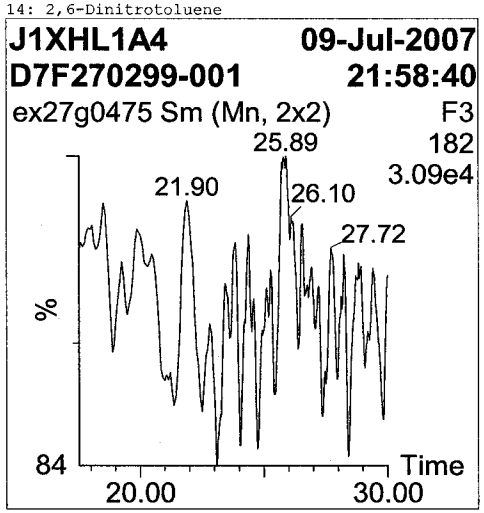
12: 4-Amino-2,6-dinitrotoluene



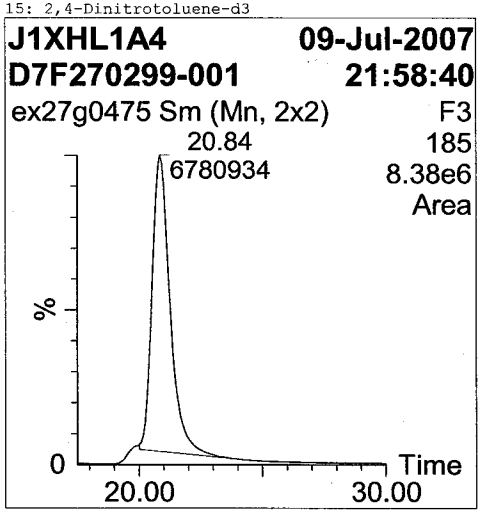
13: 2-Amino-4,6-dinitrotoluene



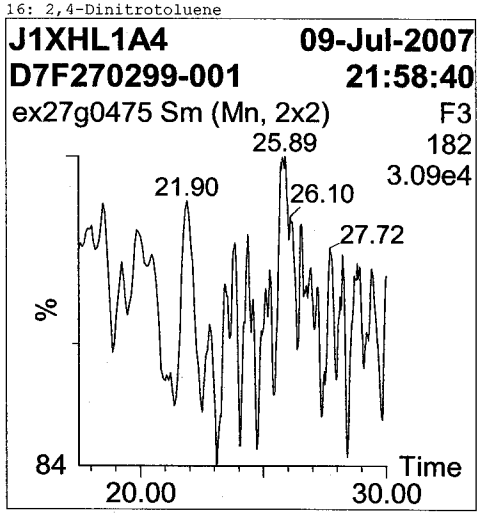
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

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Name: ex27g0475
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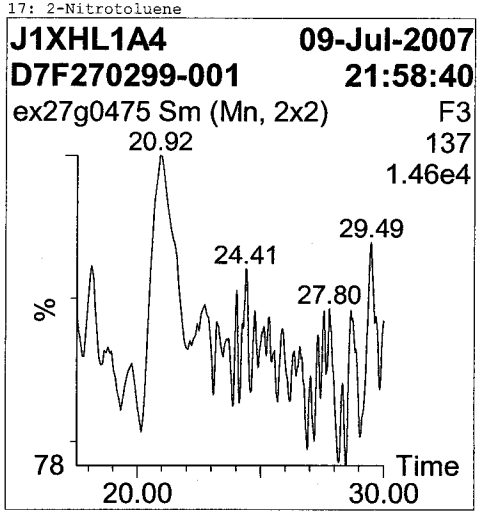
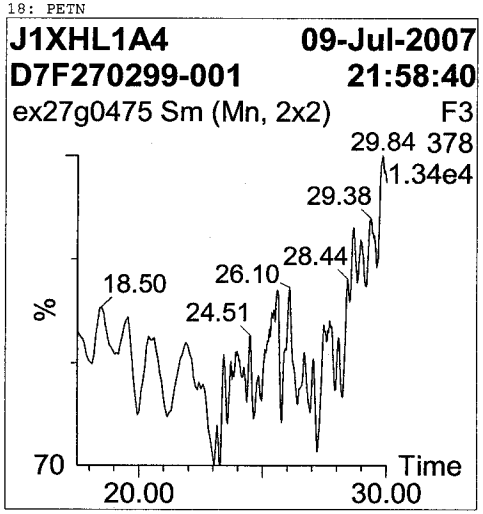
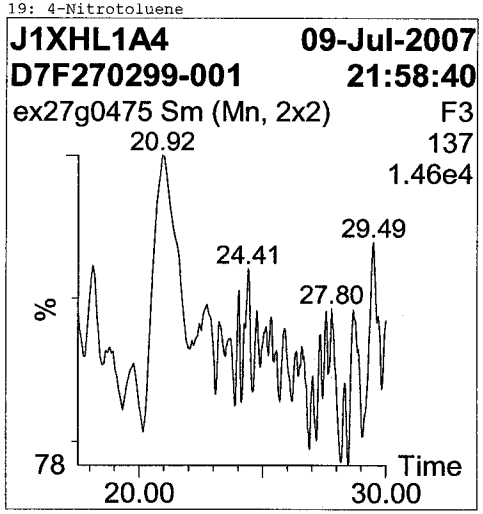
17: 2-Nitrotoluene



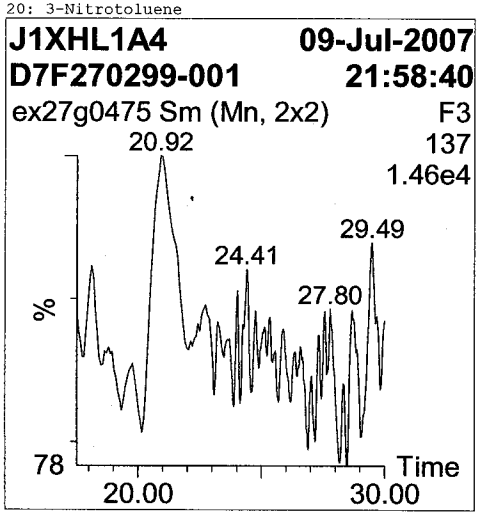
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
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3	RDX			6565067						
4	1,3,5-Trinitrobenzene			2476190						
5	Tetryl			2476190						
6	Dinitrobenzene-d4 (IS)	14.60	2476190		2476189..	bb	0.982	98.17		
7	1,3-Dinitrobenzene			2476190						
8	Nitrobenzene-d5	15.73	1372368	2476190	0.554	bb	937.650	93.86		
9	Nitroglycerin			6565067						
10	Nitrobenzene			2476190						
11	2,4,6-Trinitrotoluene			2476190						
12	4-Amino-2,6-dinitrotoluene			2476190						
13	2-Amino-4,6-dinitrotoluene			2476190						
14	2,6-Dinitrotoluene			6780934						
15	2,4-Dinitrotoluene-d3	20.84	6780934		6780934..	ds	0.901	90.06		
16	2,4-Dinitrotoluene			6780934						
17	2-Nitrotoluene			6780934						
18	PETN			6780934						
19	4-Nitrotoluene			6780934						
20	3-Nitrotoluene			6780934						

Analyst: Andrew Meyer

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Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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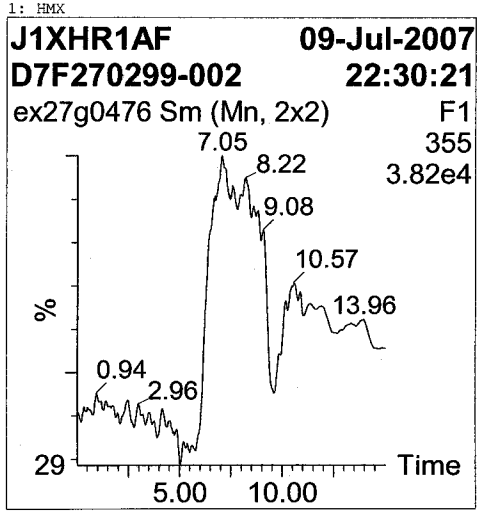
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

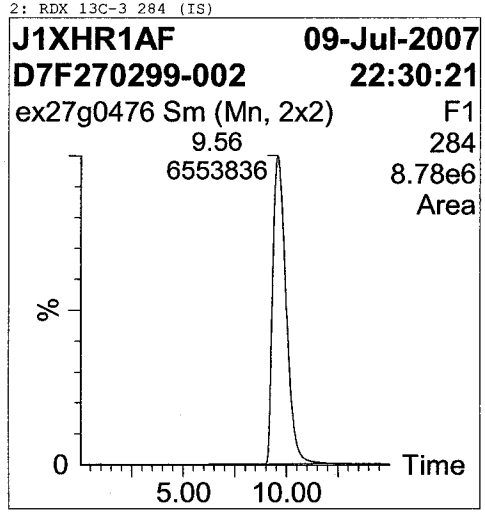
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0476
Text: D7F270299-002

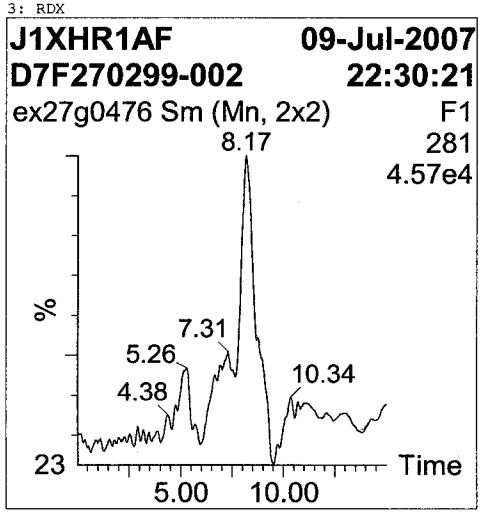
1: HMX



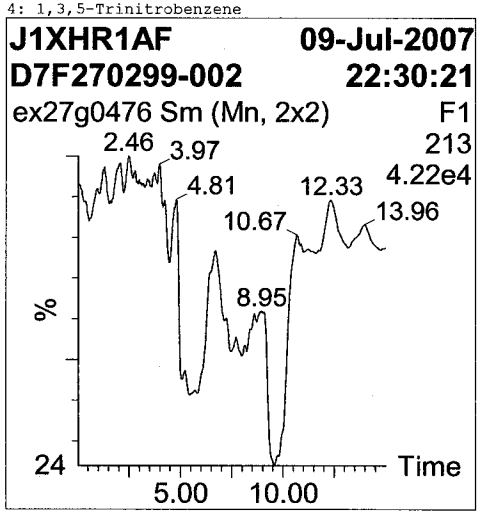
2: RDX 13C-3 284 (IS)



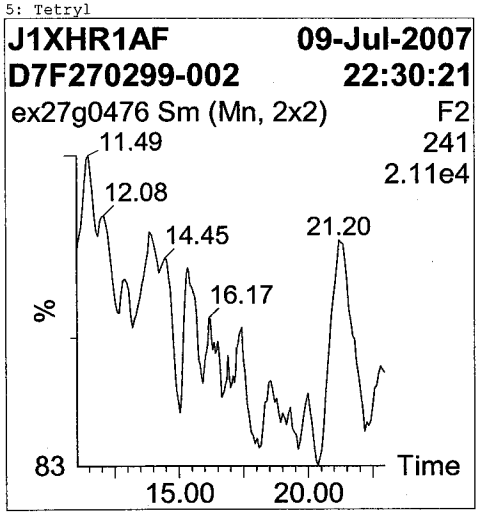
3: RDX



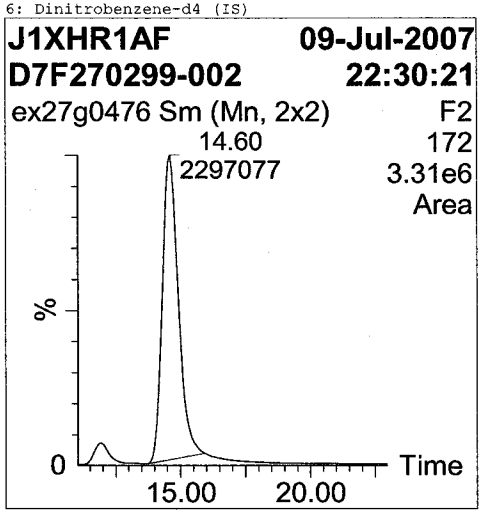
4: 1,3,5-Trinitrobenzene



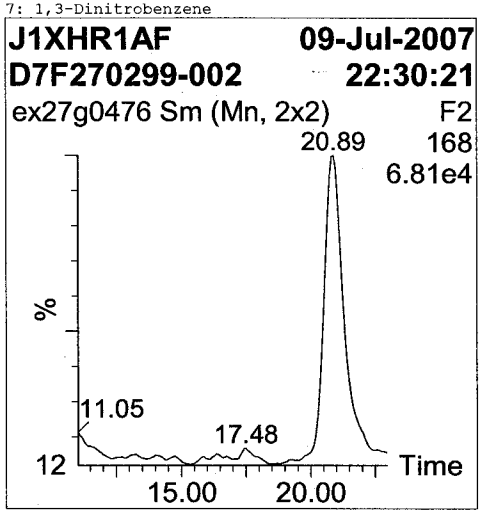
5: Tetryl



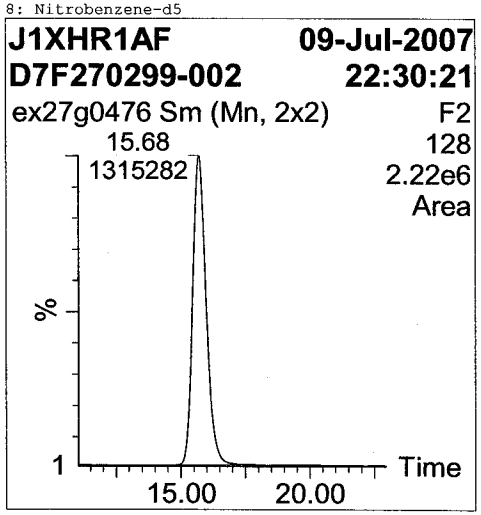
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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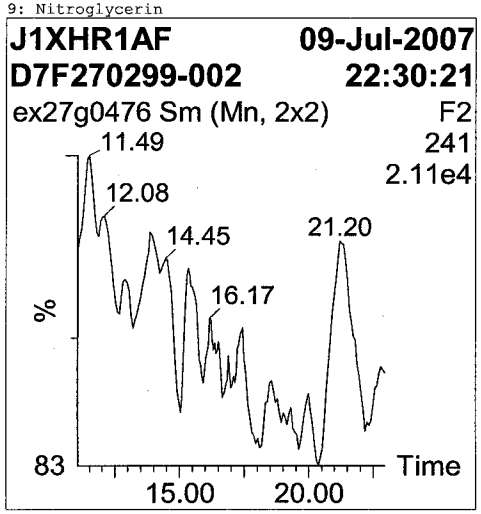
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

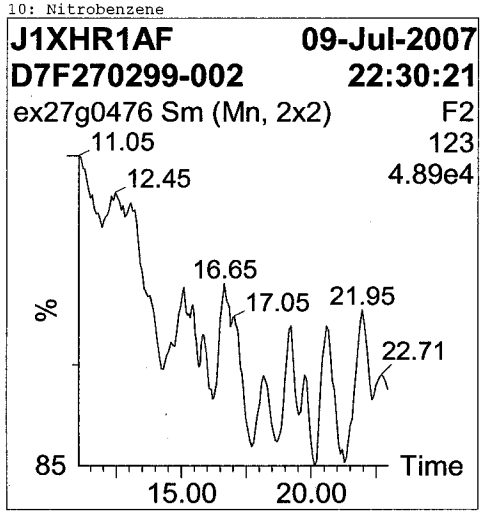
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0476
Text: D7F270299-002

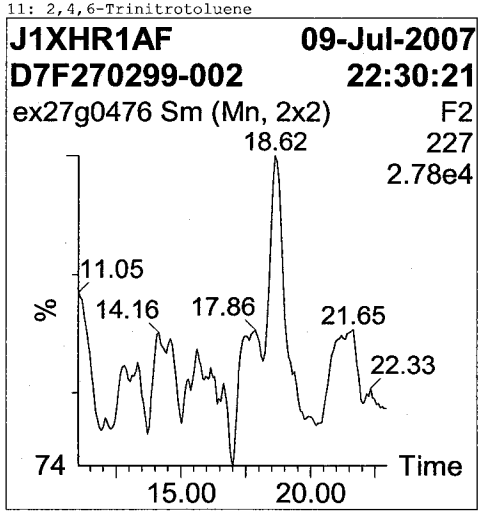
9: Nitroglycerin



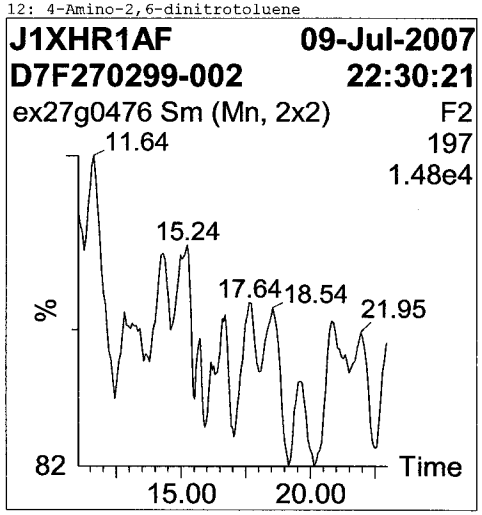
10: Nitrobenzene



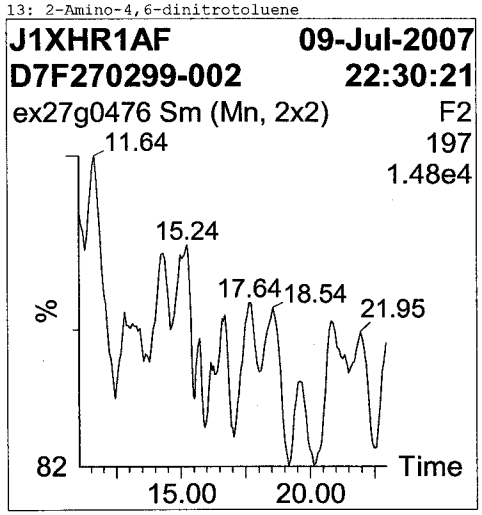
11: 2,4,6-Trinitrotoluene



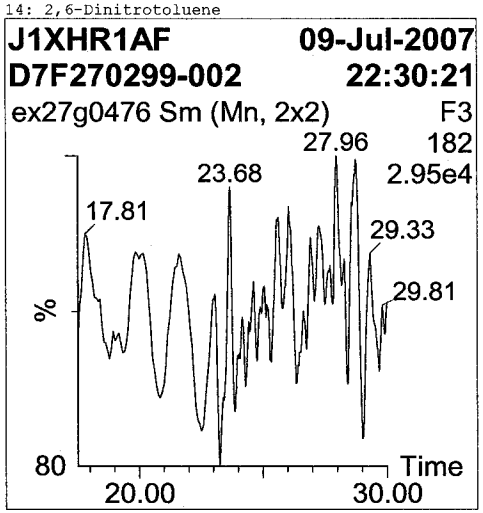
12: 4-Amino-2,6-dinitrotoluene



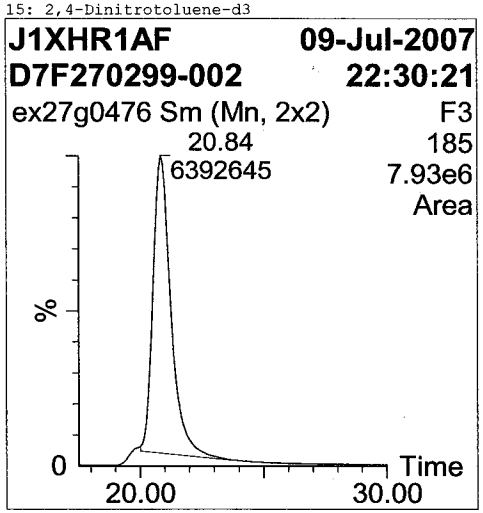
13: 2-Amino-4,6-dinitrotoluene



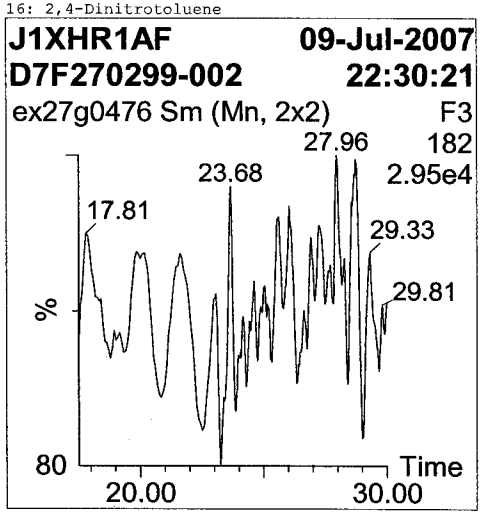
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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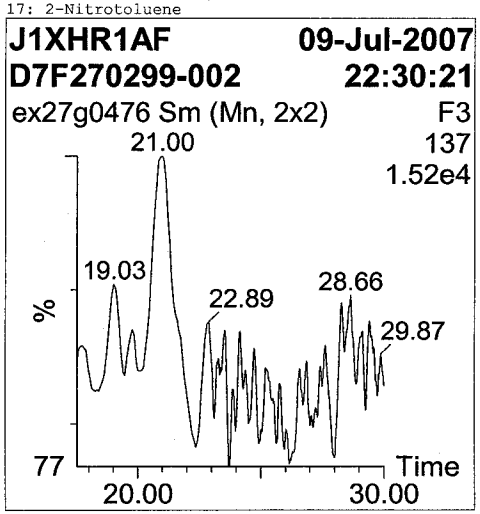
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

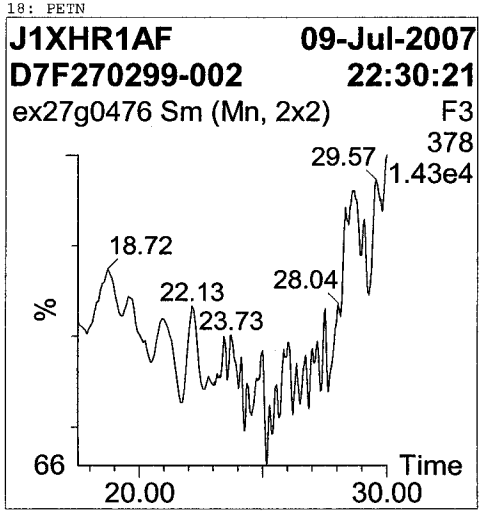
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0476
Text: D7F270299-002

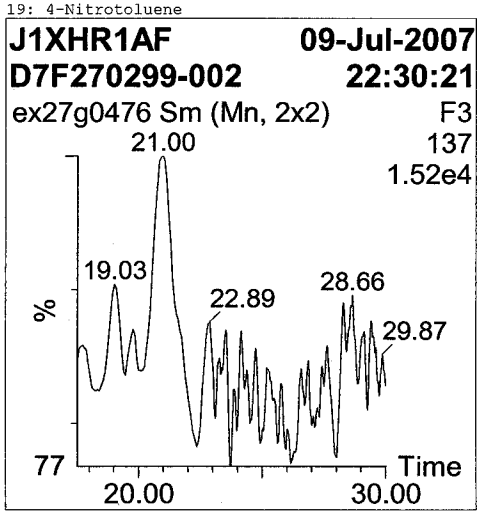
17: 2-Nitrotoluene



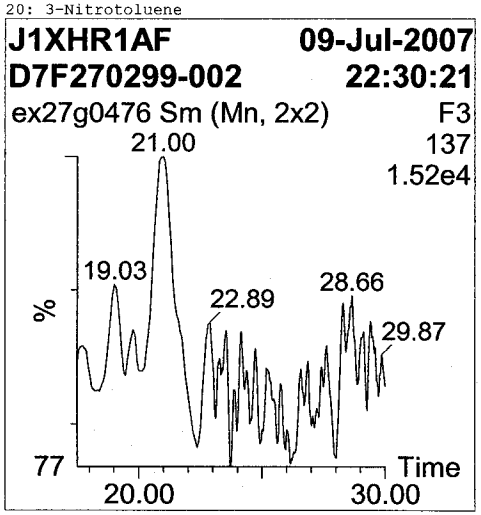
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result()	%Rec	Mod.Date	Mod.Comment
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2	RDX 13C-3 284 (IS)	9.56	6553836		6553836..	bb	0.828	82.84		
3	RDX			6553836						
4	1,3,5-Trinitrobenzene			2297077						
5	Tetryl			2297077						
6	Dinitrobenzene-d4 (IS)	14.60	2297077		2297077..	bb	0.911	91.07		
7	1,3-Dinitrobenzene			2297077						
8	Nitrobenzene-d5	15.68	1315282	2297077	0.573	bb	949.132	97.00		
9	Nitroglycerin			6553836						
10	Nitrobenzene			2297077						
11	2,4,6-Trinitrotoluene			2297077						
12	4-Amino-2,6-dinitrotoluene			2297077						
13	2-Amino-4,6-dinitrotoluene			2297077						
14	2,6-Dinitrotoluene			6392645						
15	2,4-Dinitrotoluene-d3	20.84	6392645		6392644..	ds	0.849	84.91		
16	2,4-Dinitrotoluene			6392645						
17	2-Nitrotoluene			6392645						
18	PETN			6392645						
19	4-Nitrotoluene			6392645						
20	3-Nitrotoluene			6392645						

Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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Last modified: Thu Jul 05 08:40:10 2007
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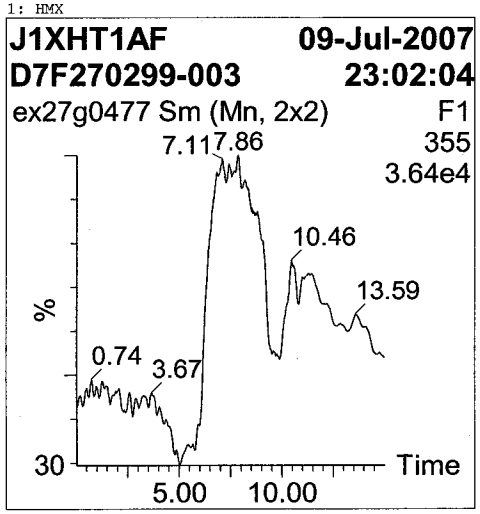
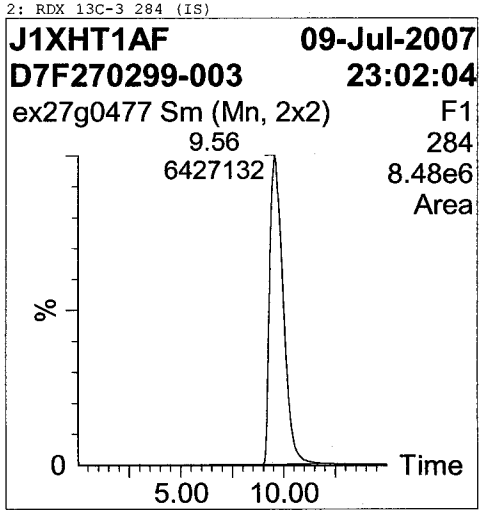
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0477
Text: D7F270299-003

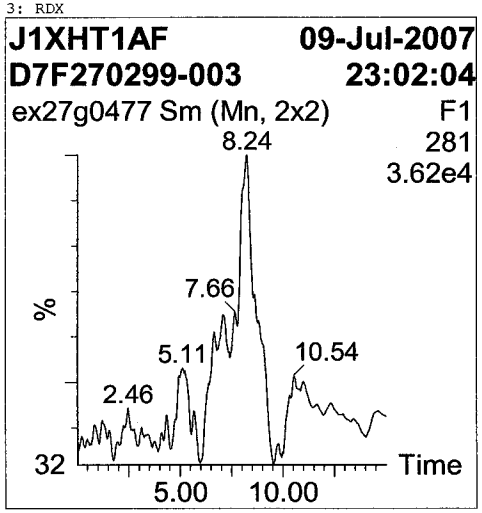
1: HMX



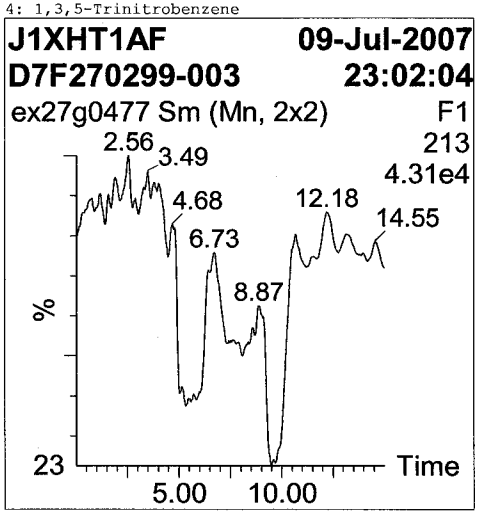
2: RDX 13C-3 284 (IS)



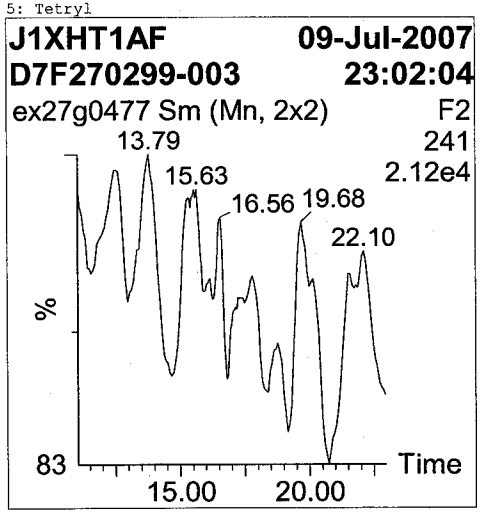
3: RDX



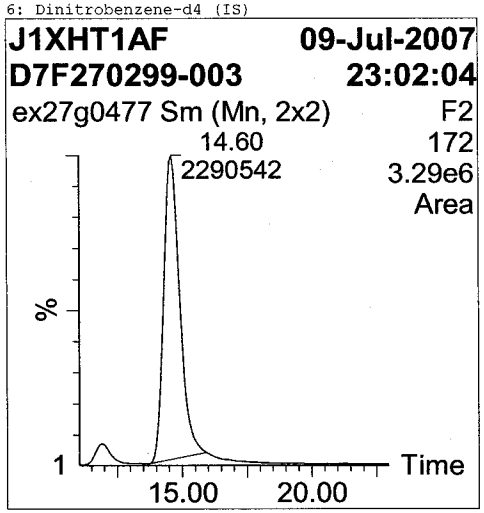
4: 1,3,5-Trinitrobenzene



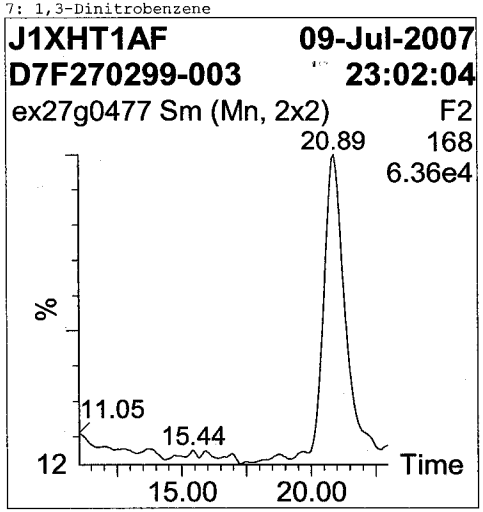
5: Tetryl



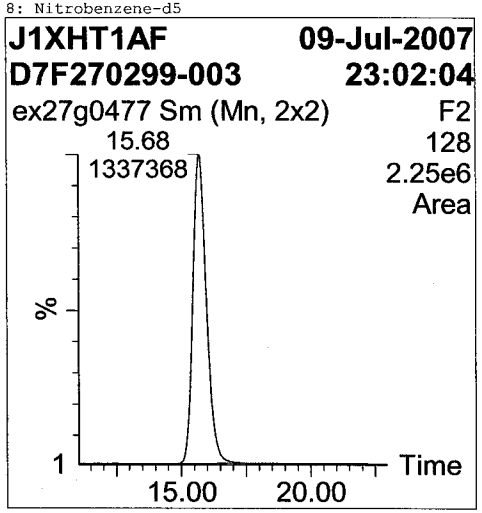
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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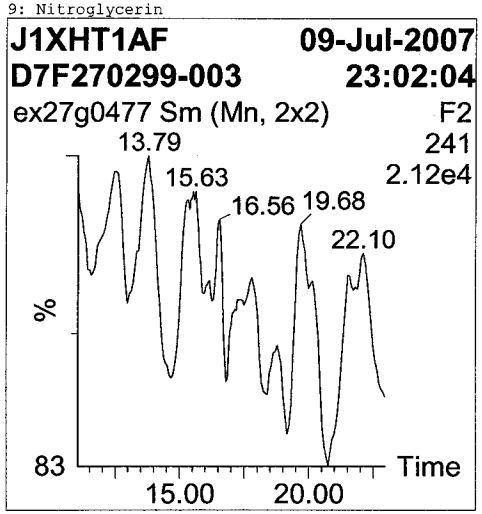
Job Code:

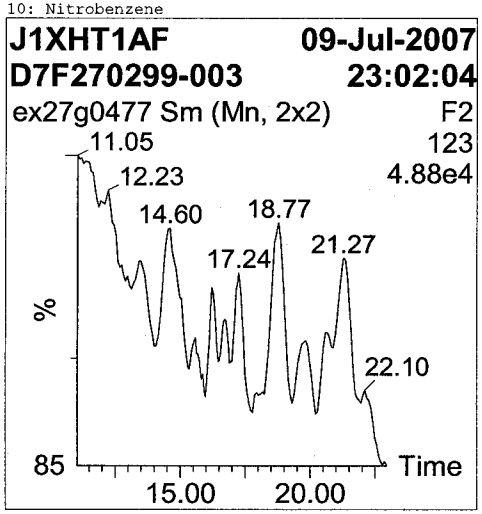
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0477
Text: D7F270299-003

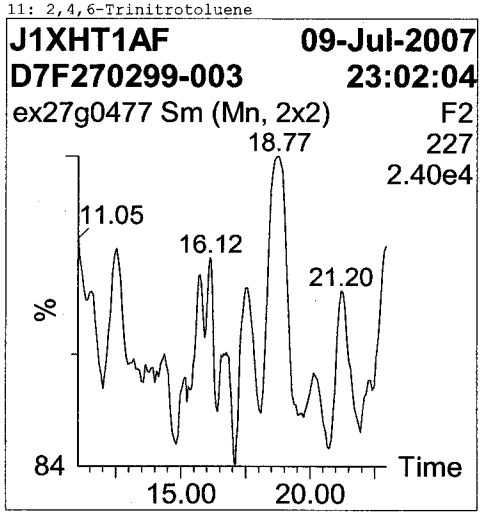
9: Nitroglycerin



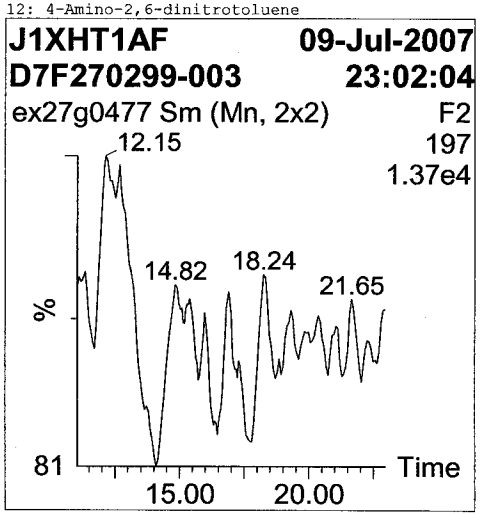
10: Nitrobenzene



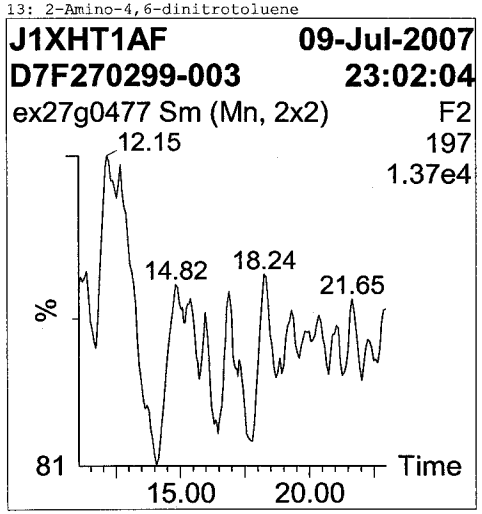
11: 2,4,6-Trinitrotoluene



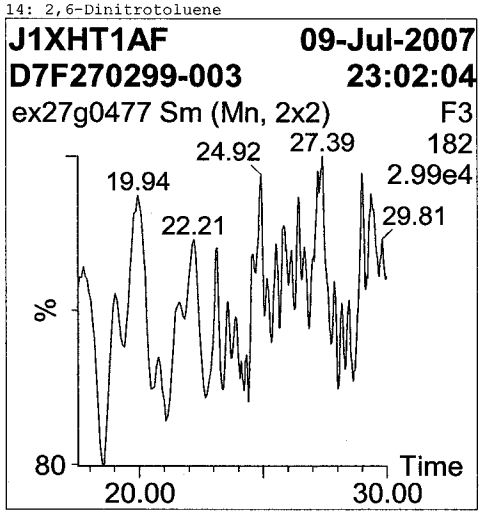
12: 4-Amino-2,6-dinitrotoluene



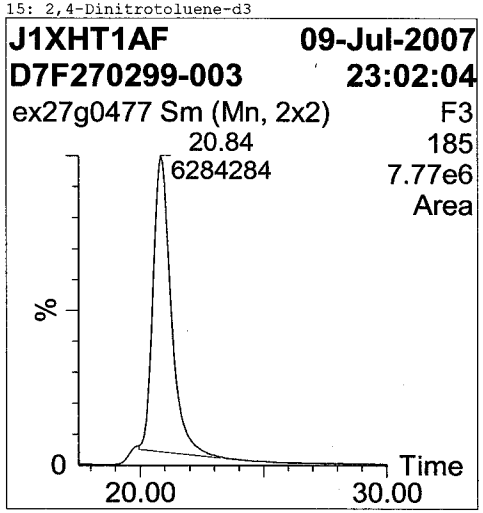
13: 2-Amino-4,6-dinitrotoluene



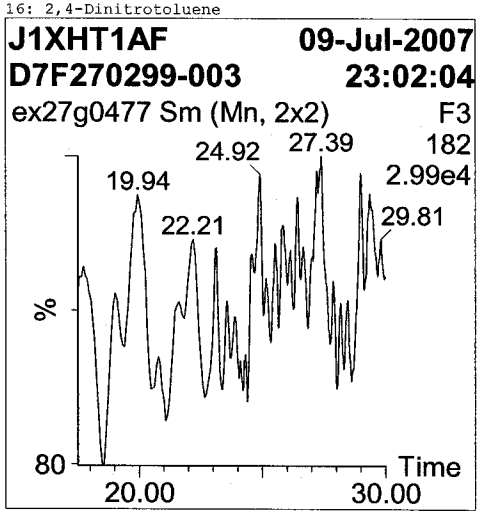
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

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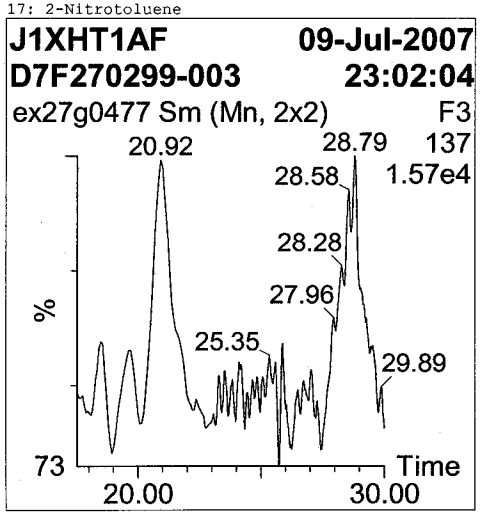
Job Code:

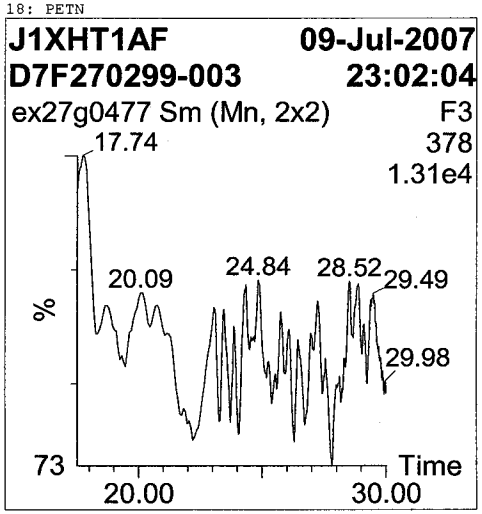
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0477
Text: D7F270299-003

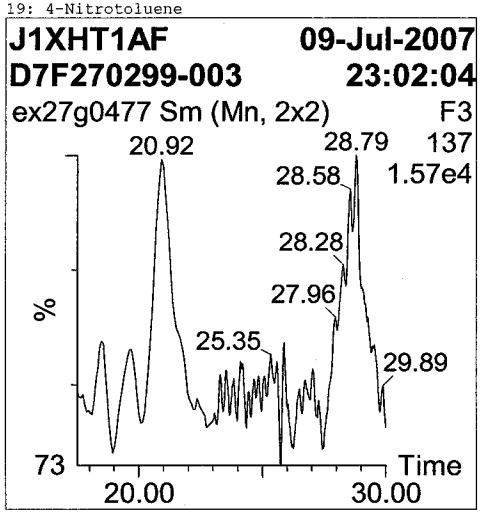
17: 2-Nitrotoluene



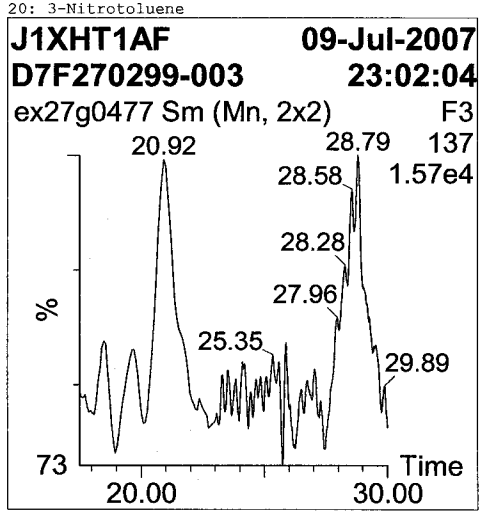
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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2	RDX 13C-3 284 (IS)	9.56	6427132		6427131..	bb	0.812	81.24		
3	RDX			6427132						
4	1,3,5-Trinitrobenzene			2290542						
5	Tetryl			2290542						
6	Dinitrobenzene-d4 (IS)	14.60	2290542		2290542..	bb	0.908	90.81		
7	1,3-Dinitrobenzene			2290542						
8	Nitrobenzene-d5	15.68	1337368	2290542	0.584	bb	1019.921	98.93		
9	Nitroglycerin			6427132						
10	Nitrobenzene			2290542						
11	2,4,6-Trinitrotoluene			2290542						
12	4-Amino-2,6-dinitrotoluene			2290542						
13	2-Amino-4,6-dinitrotoluene			2290542						
14	2,6-Dinitrotoluene			6284284						
15	2,4-Dinitrotoluene-d3	20.84	6284284		6284284..	ds	0.835	83.47		
16	2,4-Dinitrotoluene			6284284						
17	2-Nitrotoluene			6284284						
18	PETN			6284284						
19	4-Nitrotoluene			6284284						
20	3-Nitrotoluene			6284284						

Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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Last modified: Thu Jul 05 08:40:10 2007
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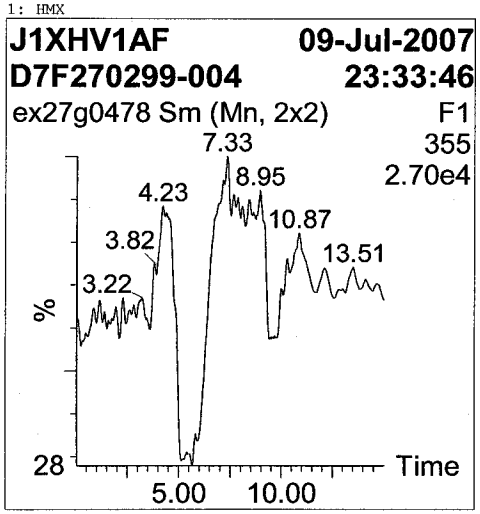
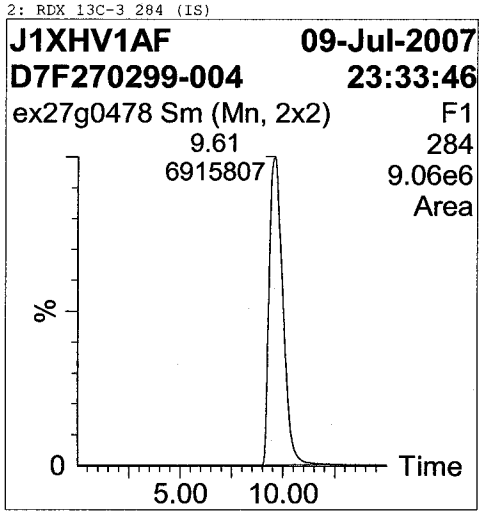
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0478
Text: D7F270299-004

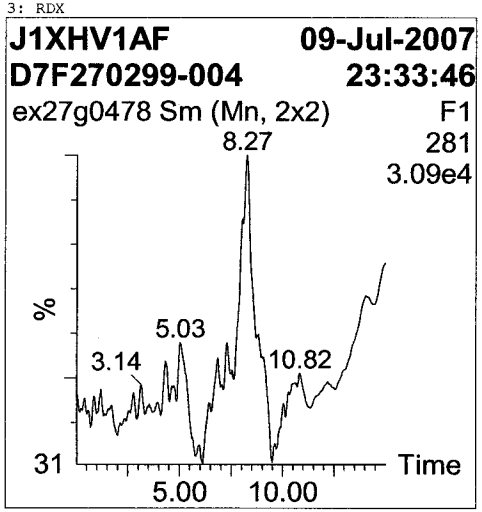
1: HMX



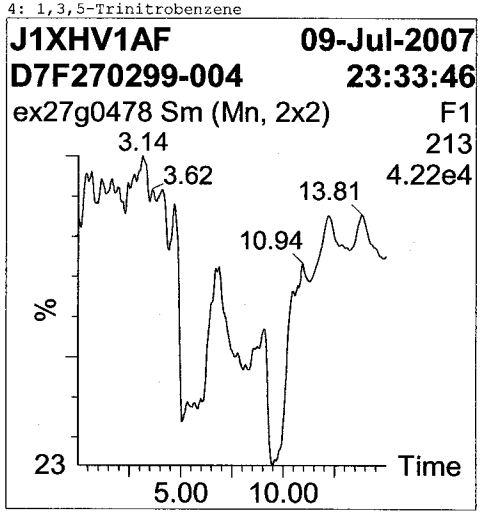
2: RDX 13C-3 284 (IS)



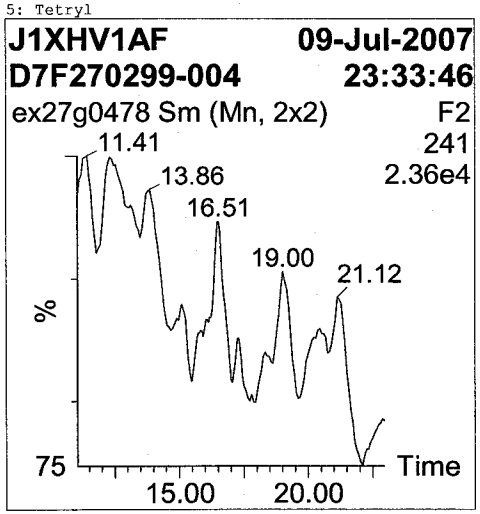
3: RDX



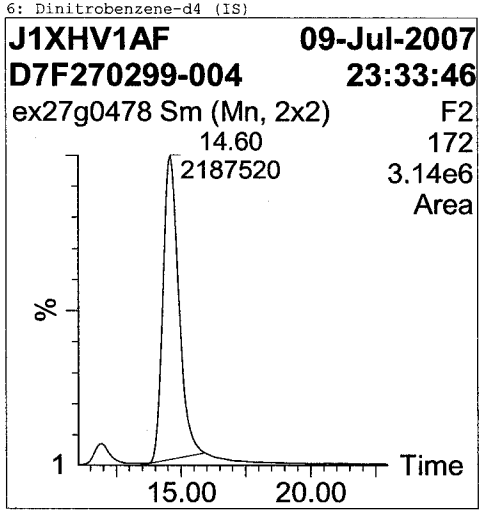
4: 1,3,5-Trinitrobenzene



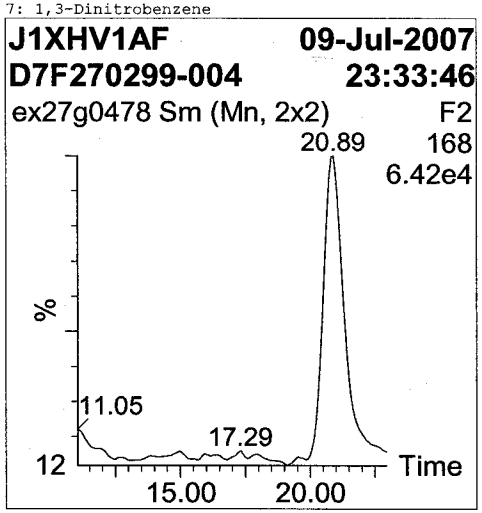
5: Tetryl



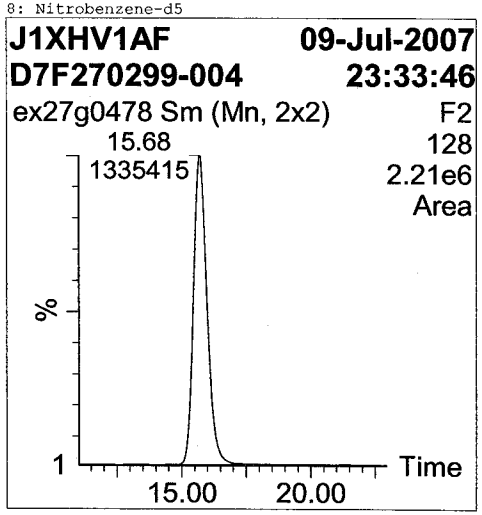
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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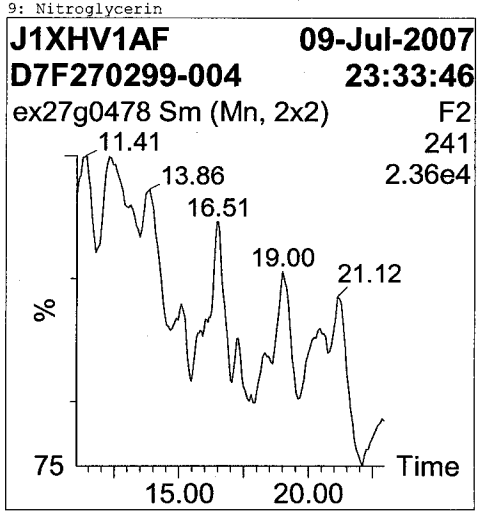
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

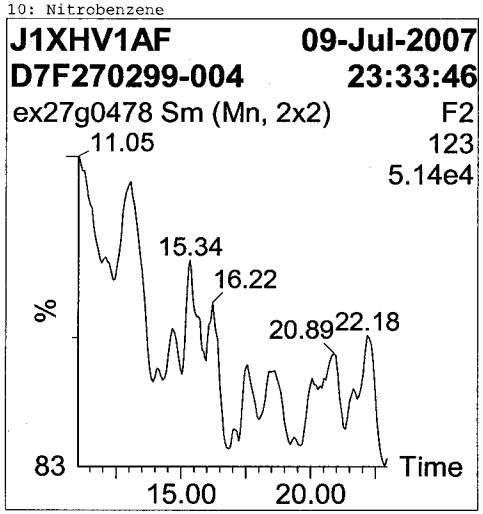
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0478
Text: D7F270299-004

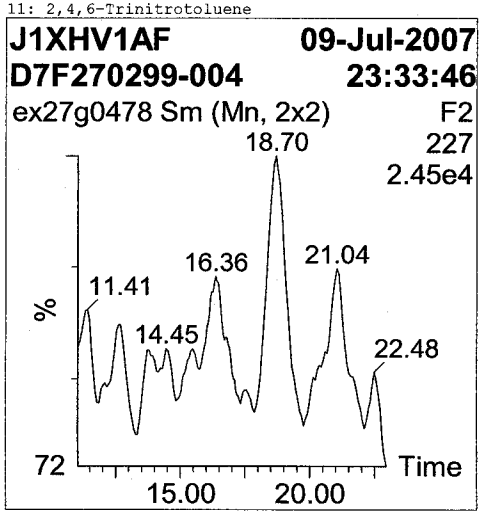
9: Nitroglycerin



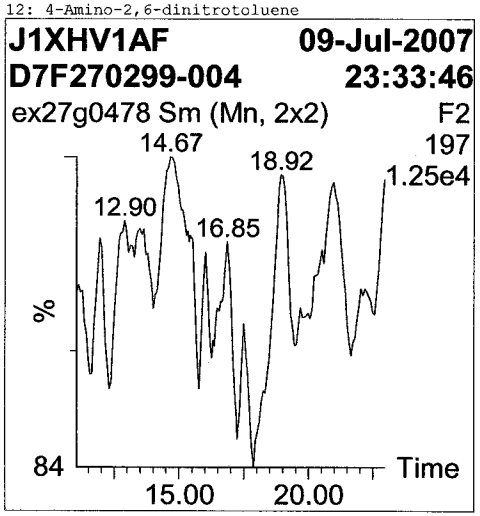
10: Nitrobenzene



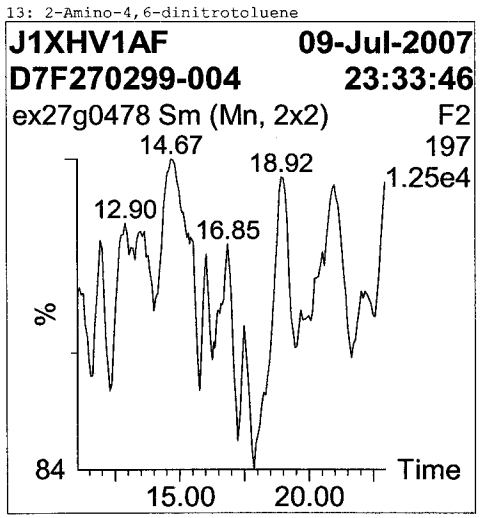
11: 2,4,6-Trinitrotoluene



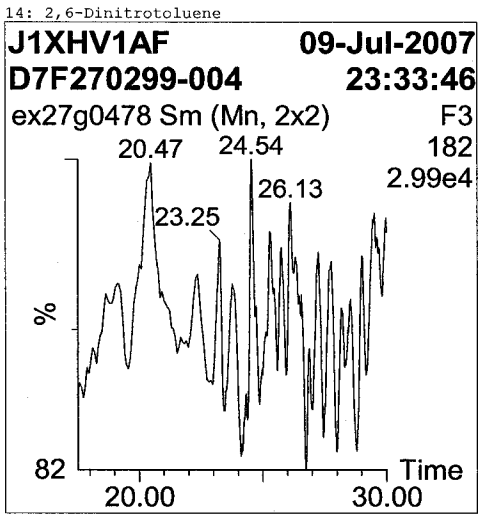
12: 4-Amino-2,6-dinitrotoluene



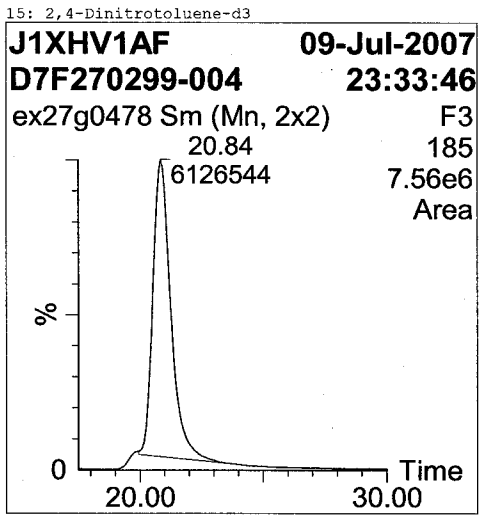
13: 2-Amino-4,6-dinitrotoluene



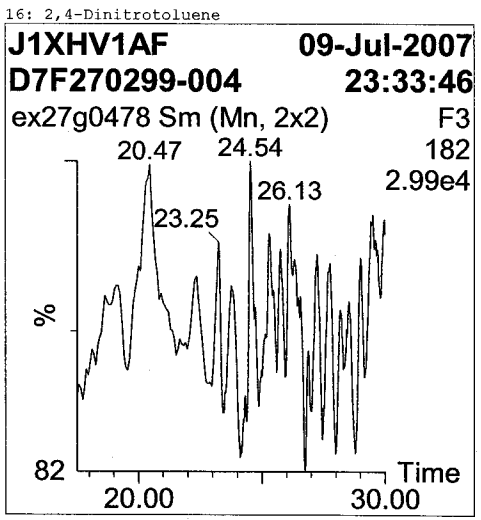
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

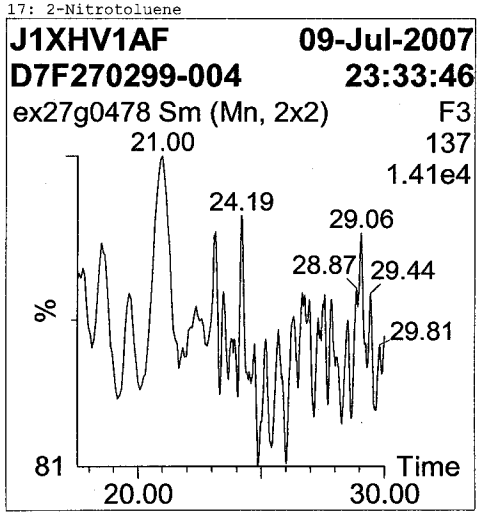
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

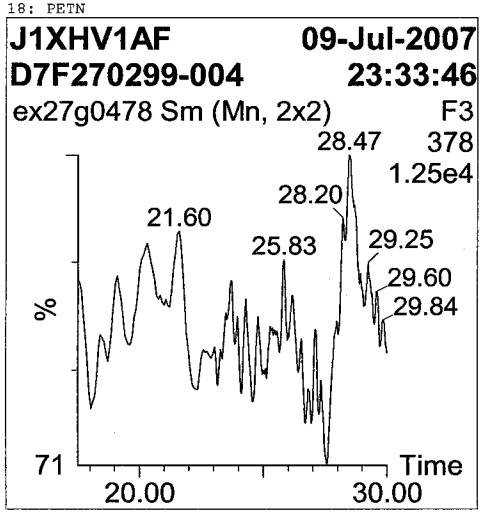
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0478
Text: D7F270299-004

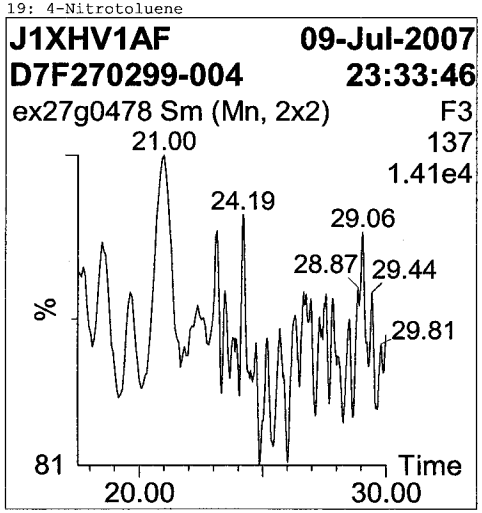
17: 2-Nitrotoluene



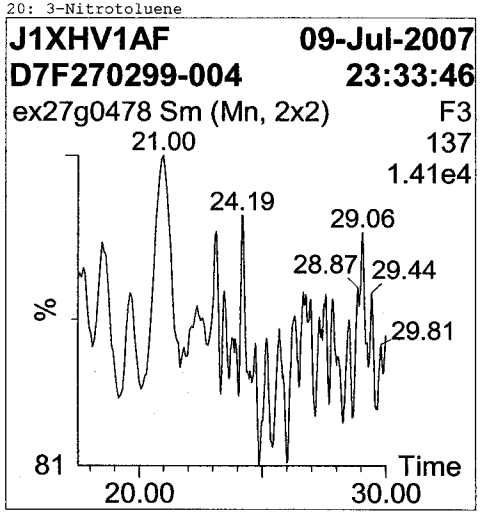
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			6915807						
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5	Tetryl			2187520						
6	Dinitrobenzene-d4 (IS)	14.60	2187520		2187519..	bb	0.867	86.73		
7	1,3-Dinitrobenzene			2187520						
8	Nitrobenzene-d5	15.68	1335415	2187520	0.610	bb	1009.687	103.49		
9	Nitroglycerin			6915807						
10	Nitrobenzene			2187520						
11	2,4,6-Trinitrotoluene			2187520						
12	4-Amino-2,6-dinitrotoluene			2187520						
13	2-Amino-4,6-dinitrotoluene			2187520						
14	2,6-Dinitrotoluene			6126544						
15	2,4-Dinitrotoluene-d3	20.84	6126544		6126543..	ds	0.814	81.37		
16	2,4-Dinitrotoluene			6126544						
17	2-Nitrotoluene			6126544						
18	PETN			6126544						
19	4-Nitrotoluene			6126544						
20	3-Nitrotoluene			6126544						

Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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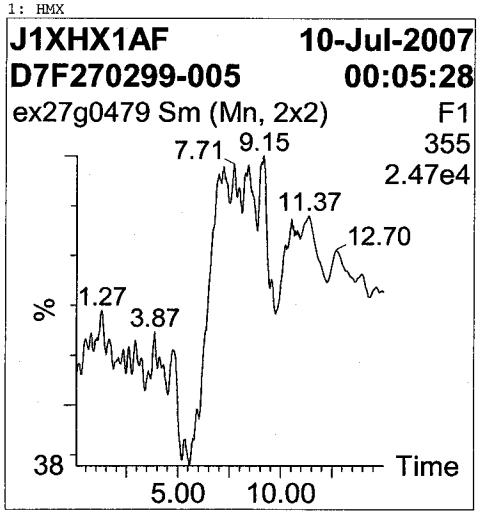
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0479
Text: D7F270299-005

1: HMX



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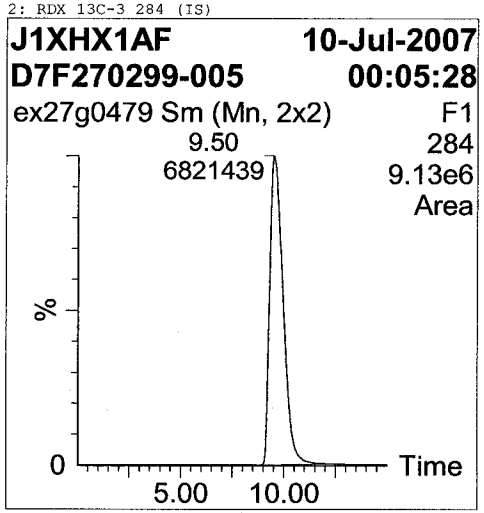
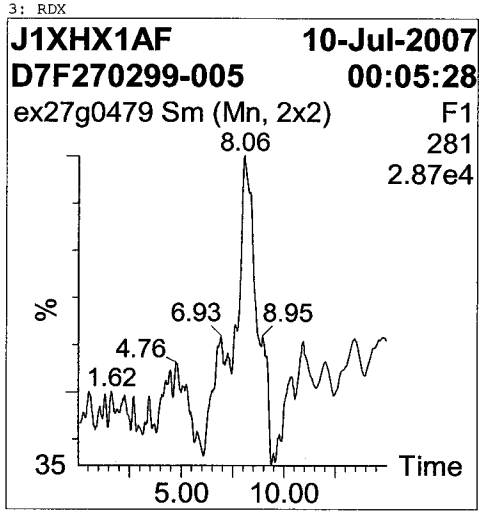
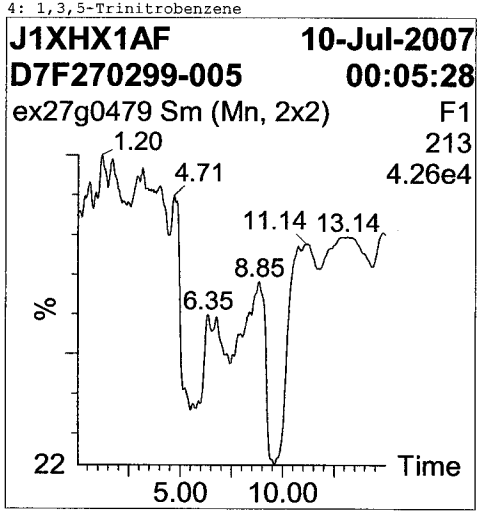


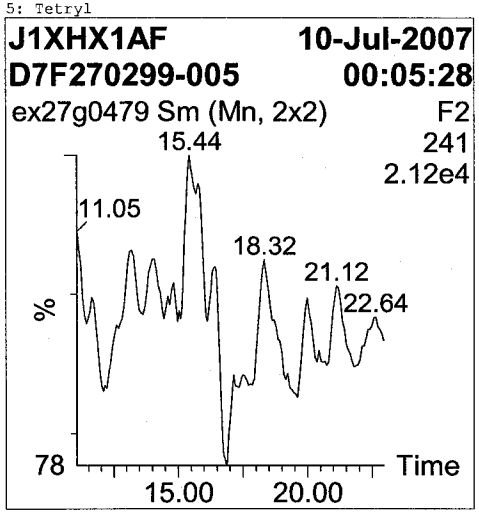
3: RDX



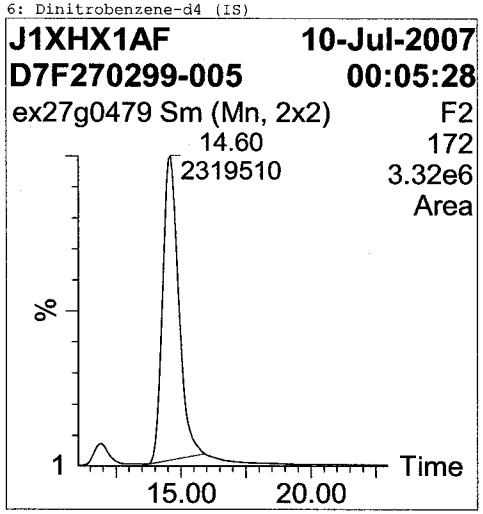
4: 1,3,5-Trinitrobenzene



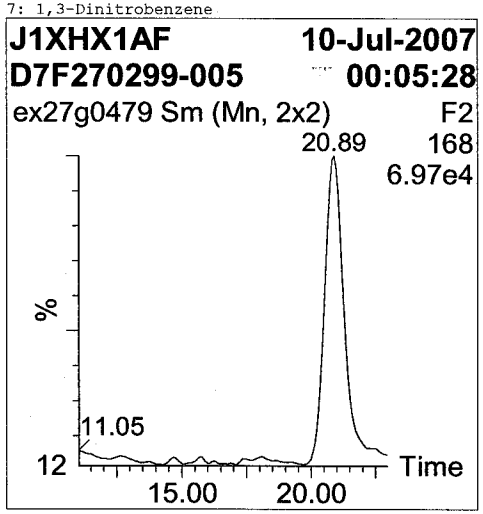
5: Tetryl



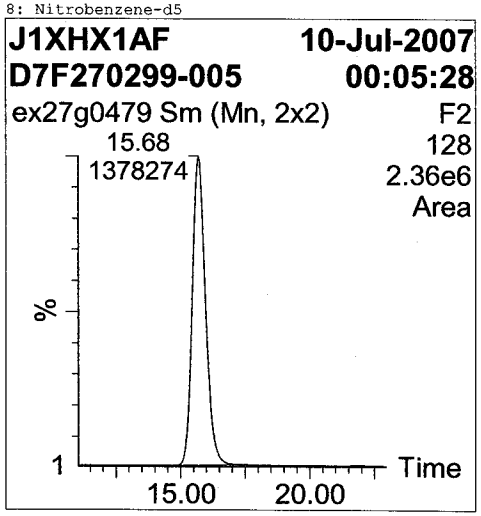
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
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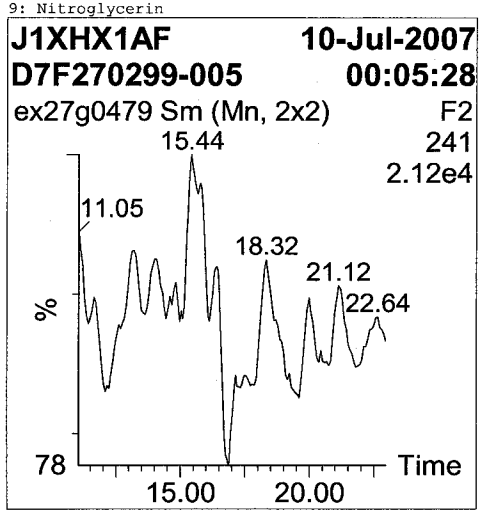
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

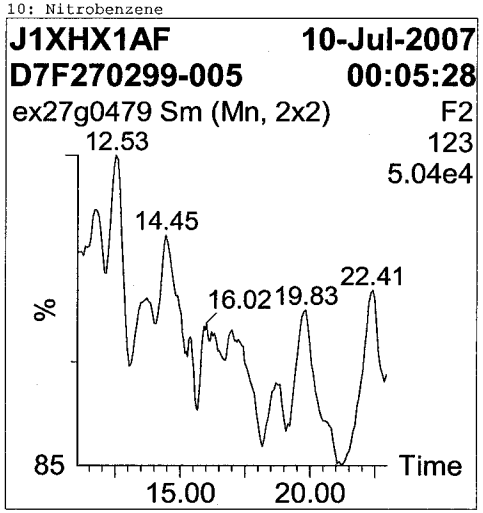
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0479
Text: D7F270299-005

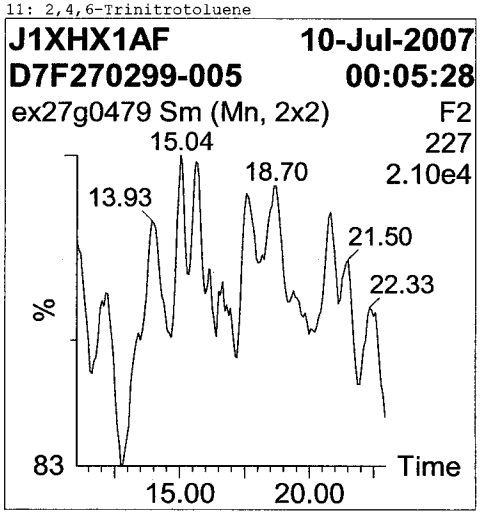
9: Nitroglycerin



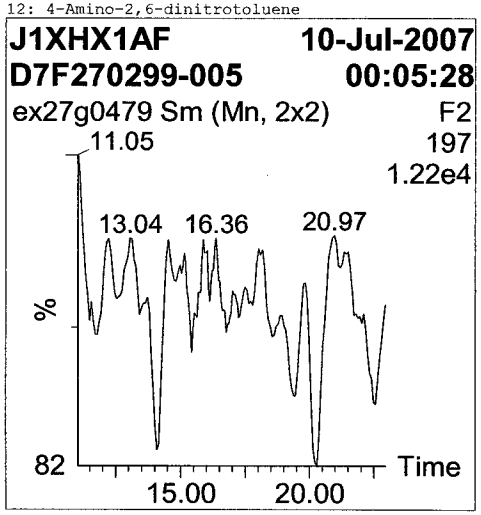
10: Nitrobenzene



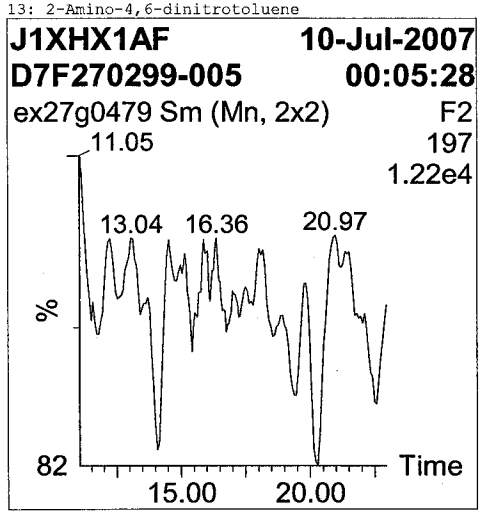
11: 2,4,6-Trinitrotoluene



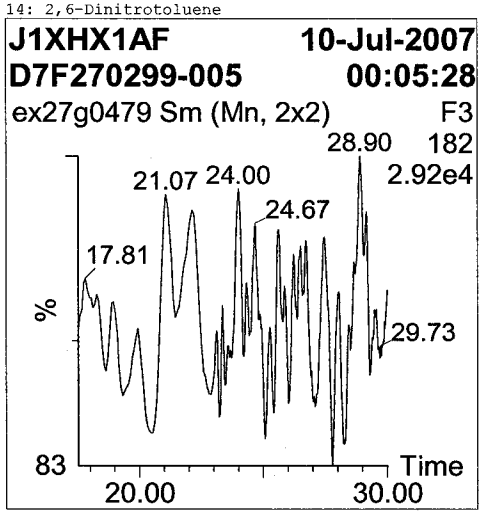
12: 4-Amino-2,6-dinitrotoluene



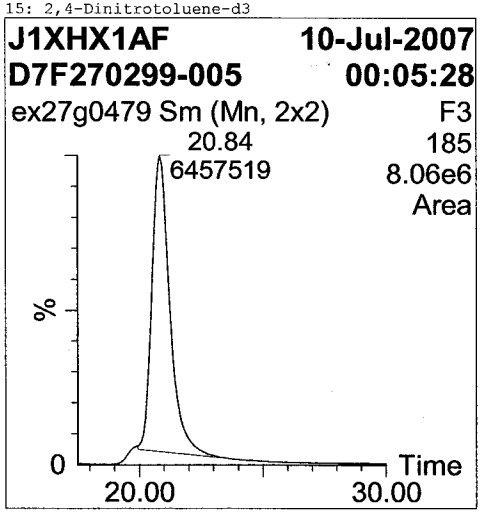
13: 2-Amino-4,6-dinitrotoluene



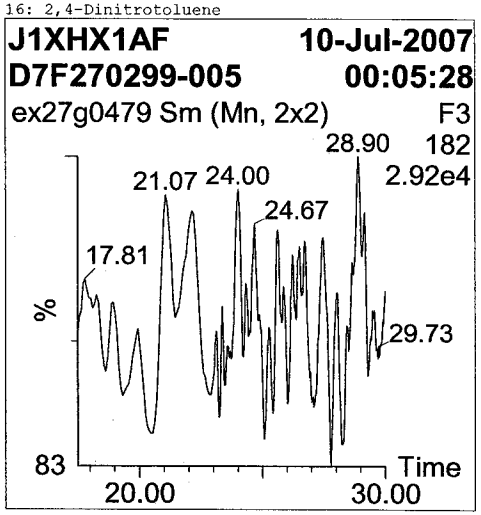
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

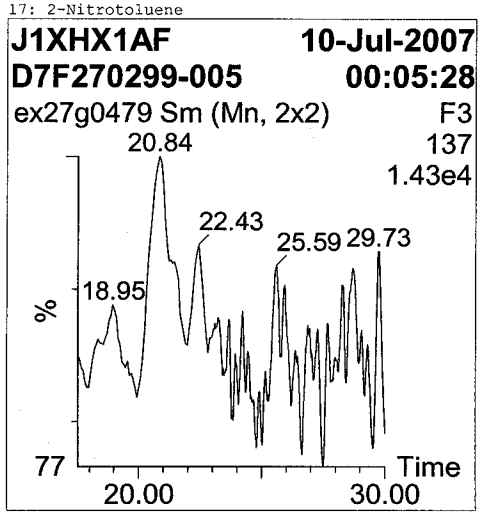
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

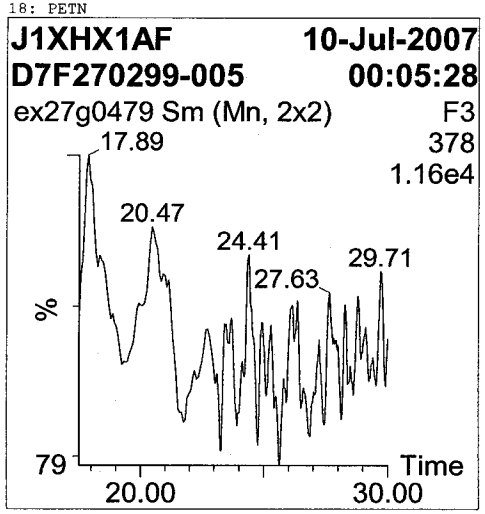
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0479
Text: D7F270299-005

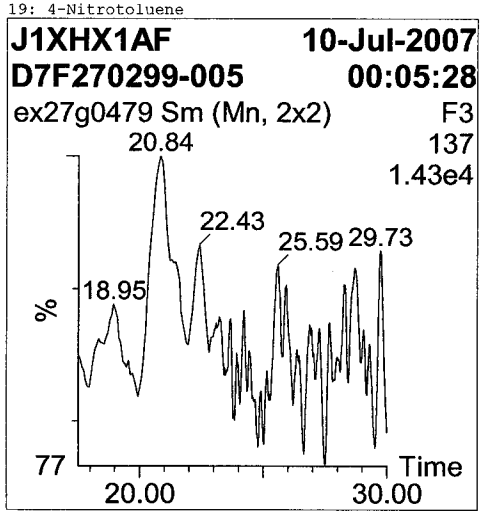
17: 2-Nitrotoluene



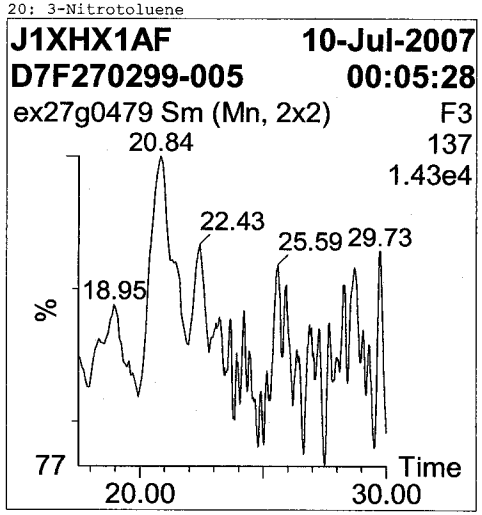
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			6821439						
4	1,3,5-Trinitrobenzene			2319510						
5	Tetryl			2319510						
6	Dinitrobenzene-d4 (IS)	14.60	2319510		2319510..	bb	0.920	91.96		
7	1,3-Dinitrobenzene			2319510						
8	Nitrobenzene-d5	15.68	1378274	2319510	0.594	bb	1012.107	100.70		
9	Nitroglycerin			6821439						
10	Nitrobenzene			2319510						
11	2,4,6-Trinitrotoluene			2319510						
12	4-Amino-2,6-dinitrotoluene			2319510						
13	2-Amino-4,6-dinitrotoluene			2319510						
14	2,6-Dinitrotoluene			6457519						
15	2,4-Dinitrotoluene-d3	20.84	6457519		6457519..	ds	0.858	85.77		
16	2,4-Dinitrotoluene			6457519						
17	2-Nitrotoluene			6457519						
18	PETN			6457519						
19	4-Nitrotoluene			6457519						
20	3-Nitrotoluene			6457519						

Analyst: Andrew Meyer

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Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0480
Text: D7F270299-006

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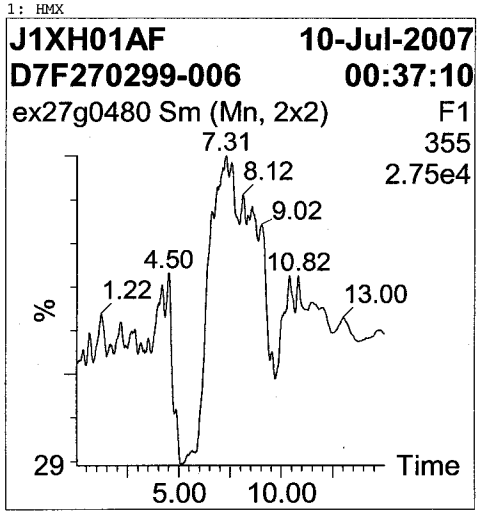
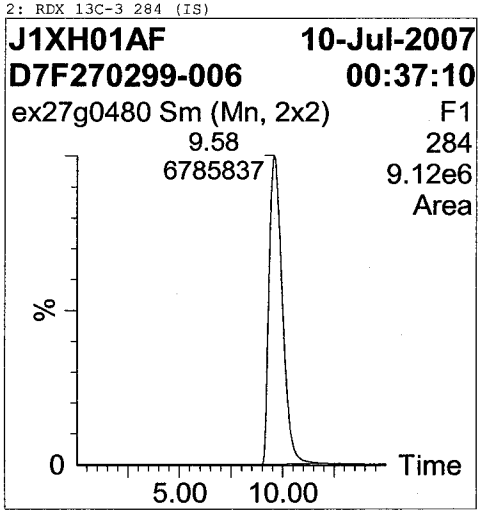
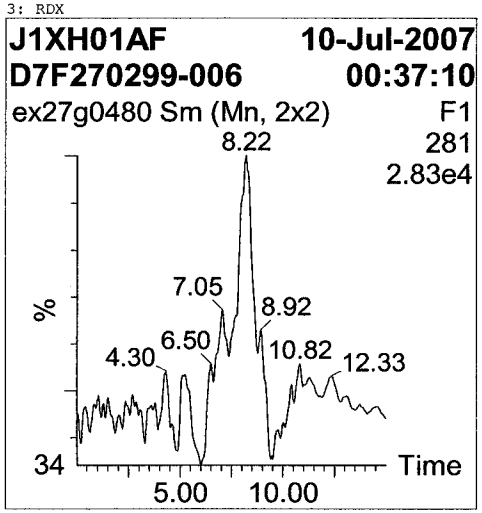


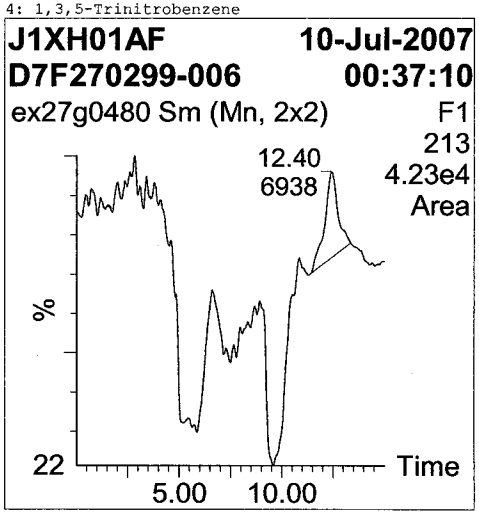
2: RDX 13C-3 284 (IS)



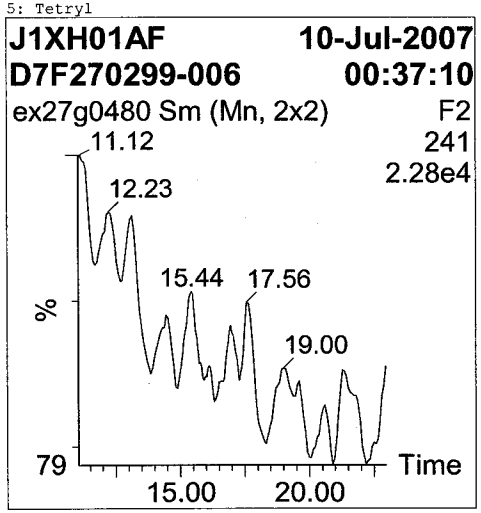
3: RDX



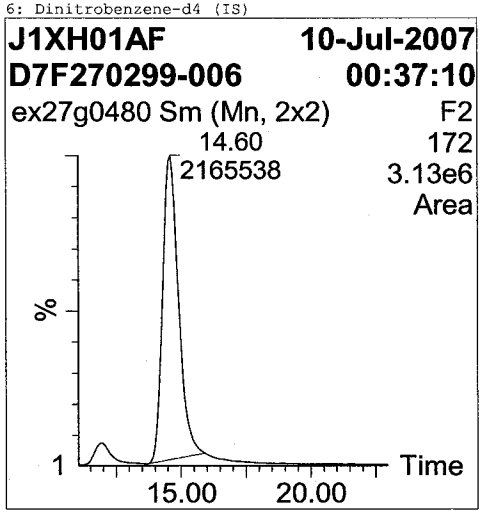
4: 1,3,5-Trinitrobenzene



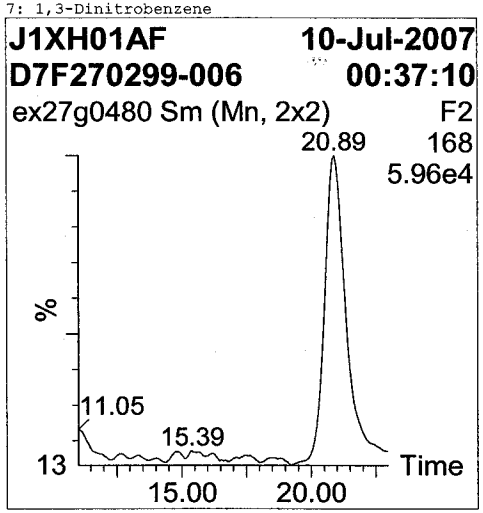
5: Tetryl



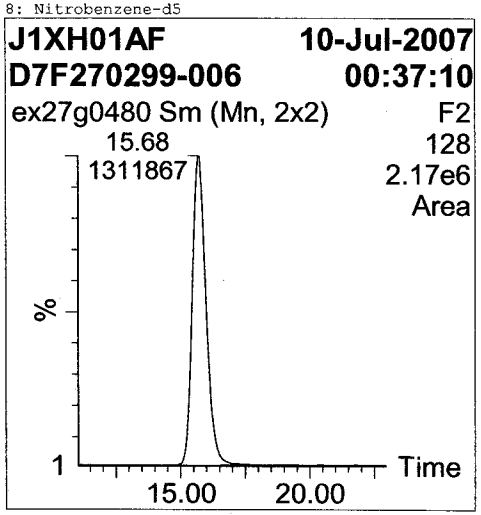
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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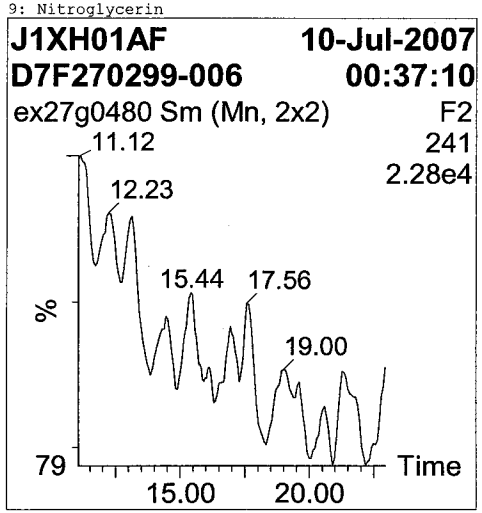
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

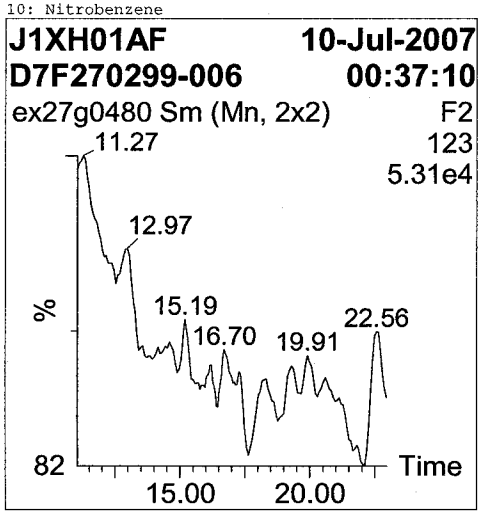
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0480
Text: D7F270299-006

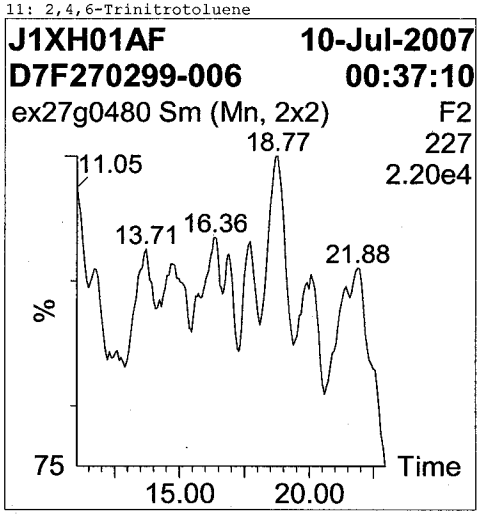
9: Nitroglycerin



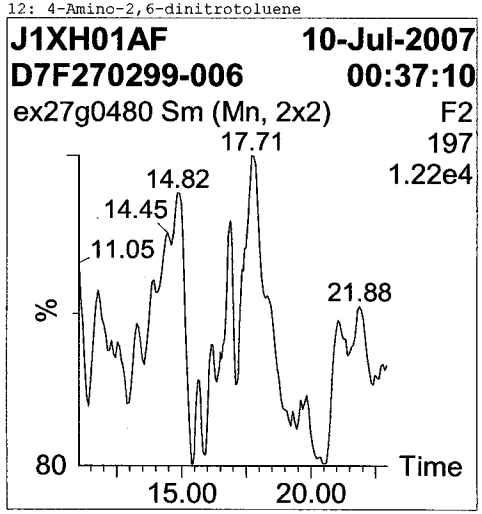
10: Nitrobenzene



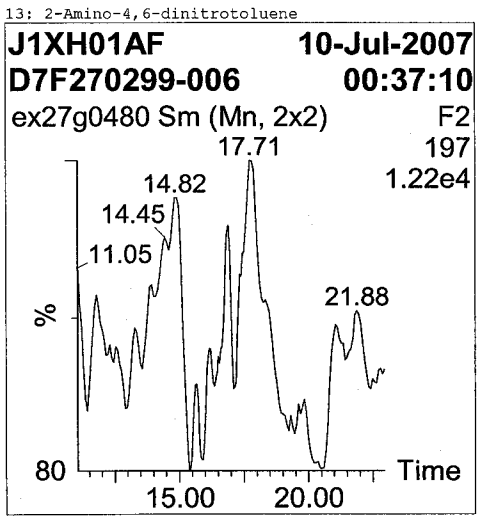
11: 2,4,6-Trinitrotoluene



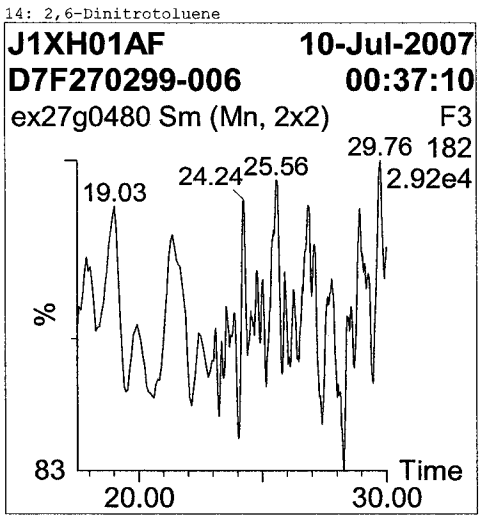
12: 4-Amino-2,6-dinitrotoluene



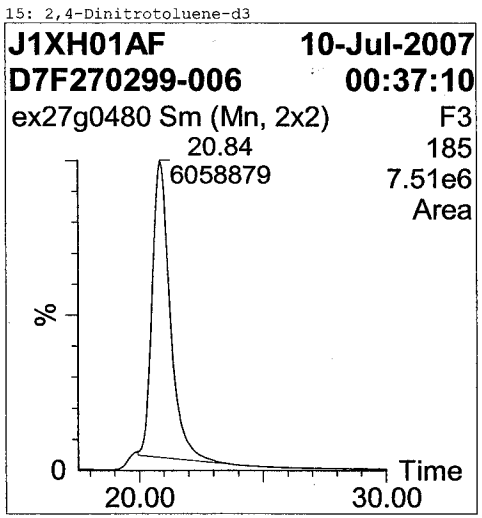
13: 2-Amino-4,6-dinitrotoluene



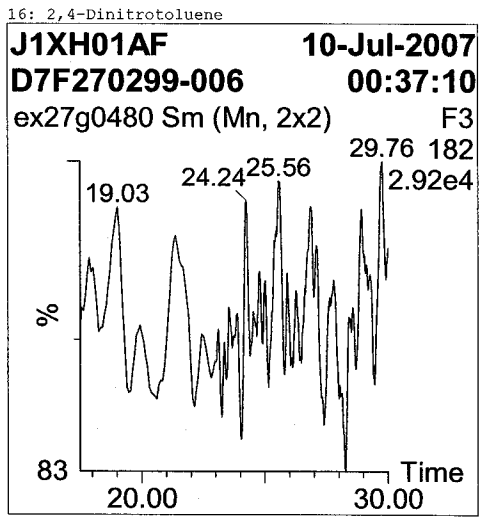
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

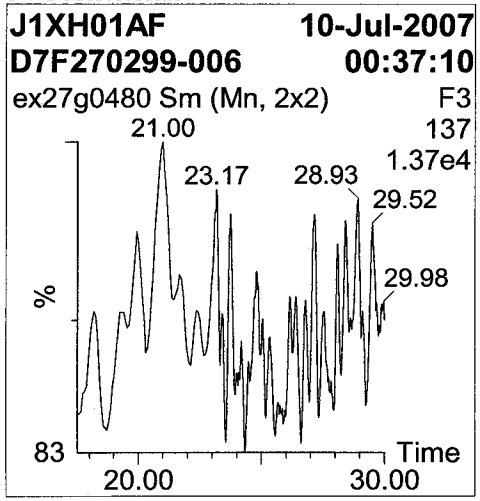
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

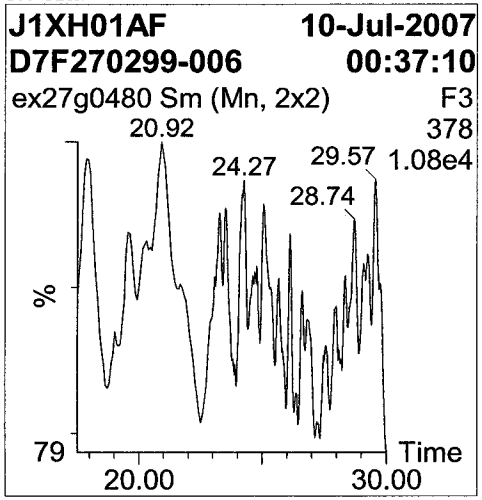
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0480
Text: D7F270299-006

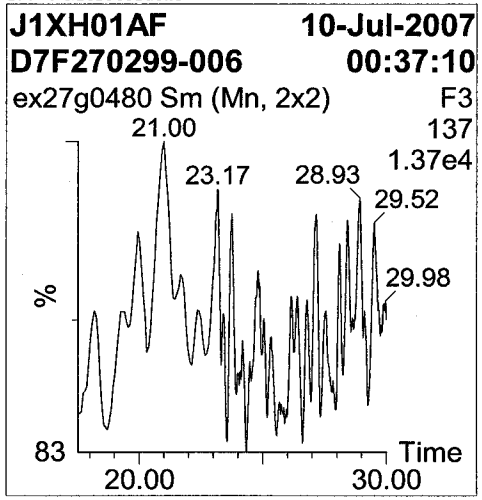
17: 2-Nitrotoluene



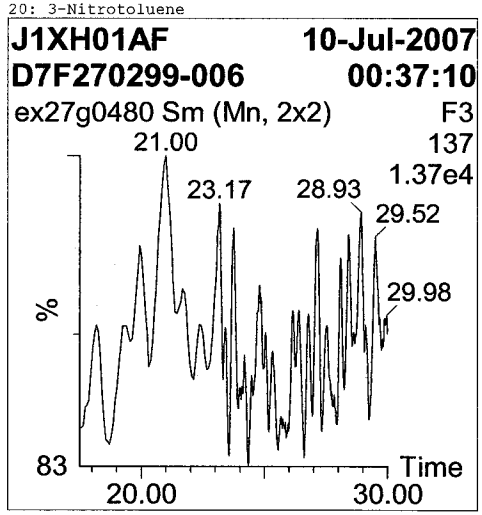
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			6785837						
4	1,3,5-Trinitrobenzene	12.40	6938	2165538	0.003	bb	0.100			
5	Tetryl			2165538						
6	Dinitrobenzene-d4 (IS)	14.60	2165538		2165537..	bb	0.859	85.86		
7	1,3-Dinitrobenzene			2165538						
8	Nitrobenzene-d5	15.68	1311867	2165538	0.606	bb	1020.782	102.69		
9	Nitroglycerin			6785837						
10	Nitrobenzene			2165538						
11	2,4,6-Trinitrotoluene			2165538						
12	4-Amino-2,6-dinitrotoluene			2165538						
13	2-Amino-4,6-dinitrotoluene			2165538						
14	2,6-Dinitrotoluene			6058879						
15	2,4-Dinitrotoluene-d3	20.84	6058879		6058879..	ds	0.805	80.47		
16	2,4-Dinitrotoluene			6058879						
17	2-Nitrotoluene			6058879						
18	PETN			6058879						
19	4-Nitrotoluene			6058879						
20	3-Nitrotoluene			6058879						

Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0482
Text: D7F270299-007

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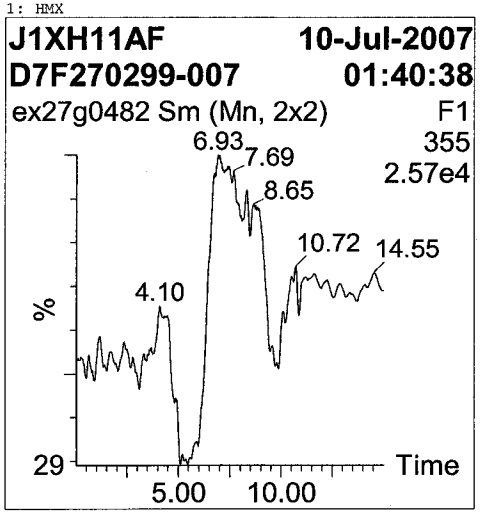

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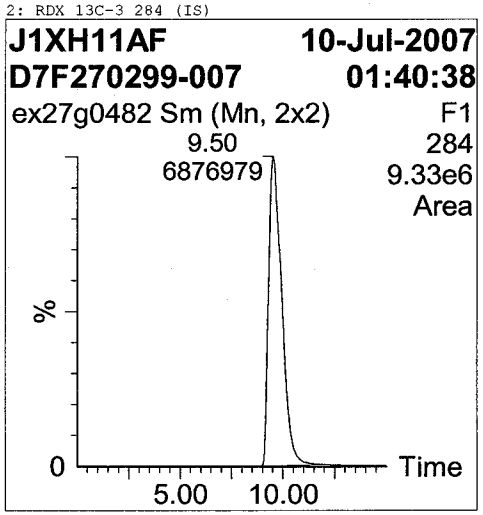
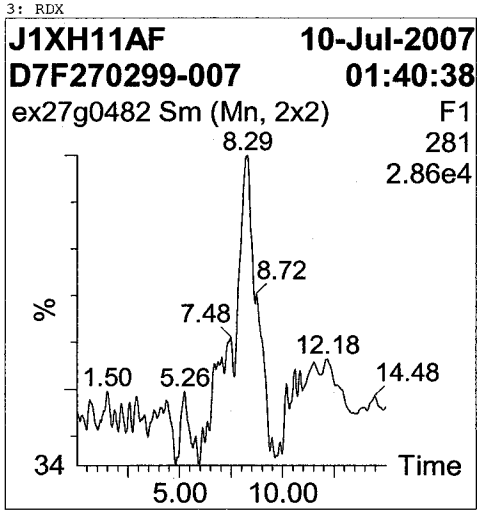
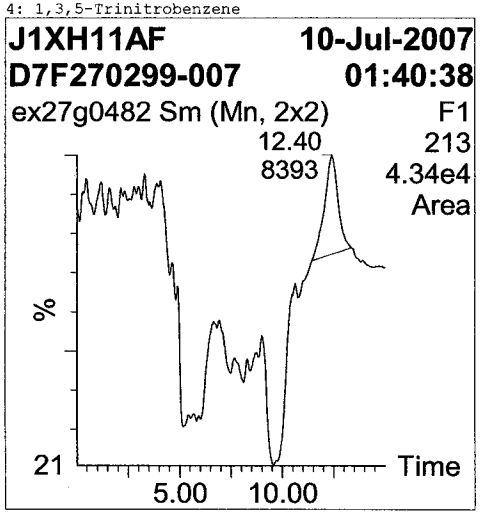


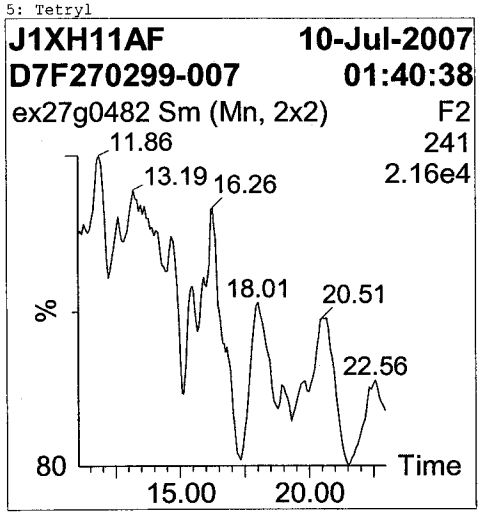
3: RDX



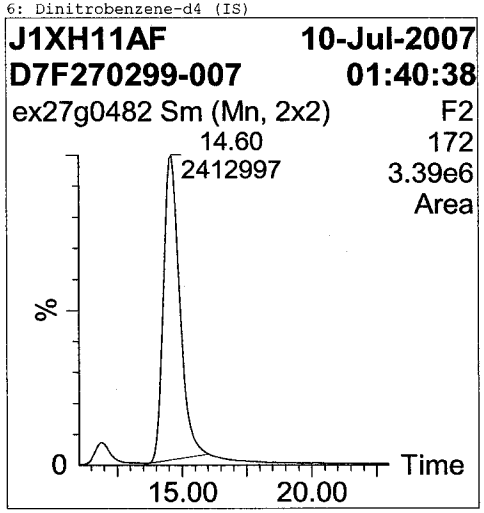
4: 1,3,5-Trinitrobenzene



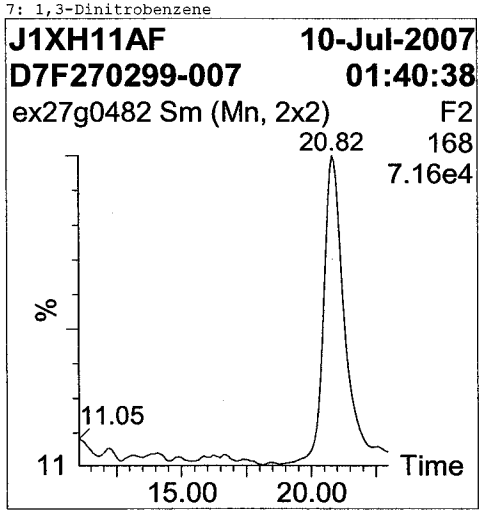
5: Tetryl



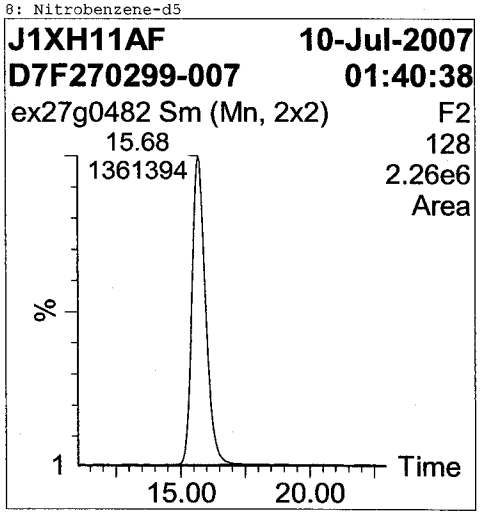
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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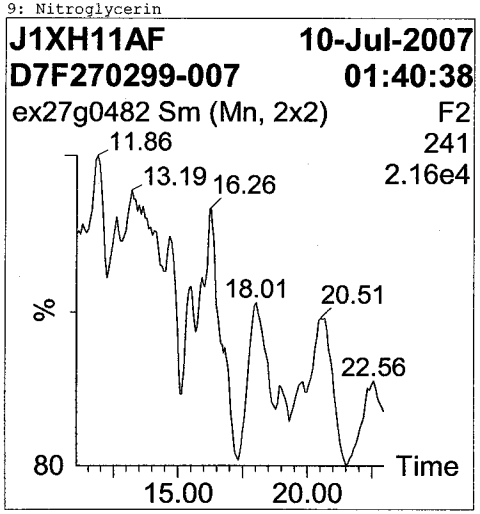
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

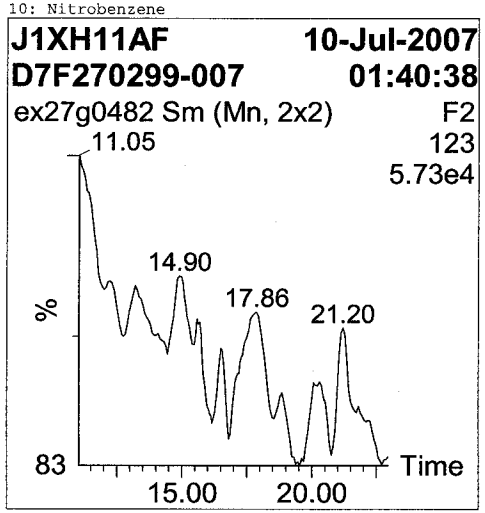
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0482
Text: D7F270299-007

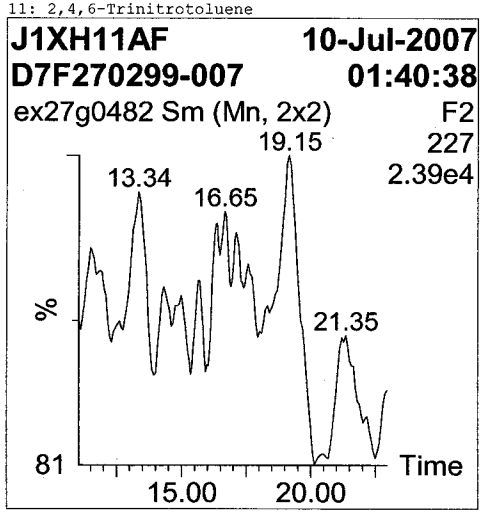
9: Nitroglycerin



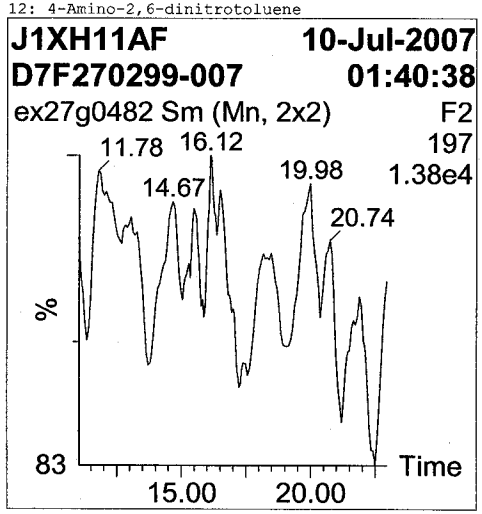
10: Nitrobenzene



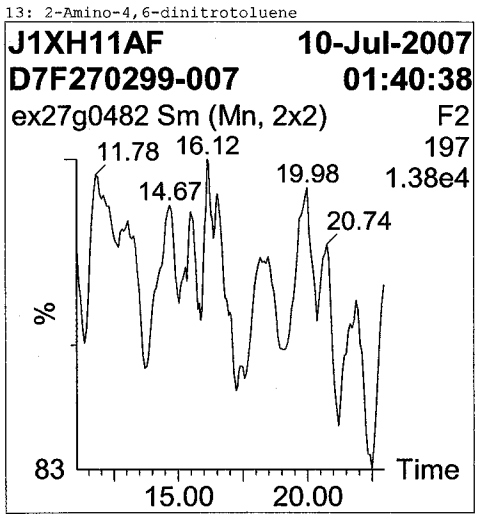
11: 2,4,6-Trinitrotoluene



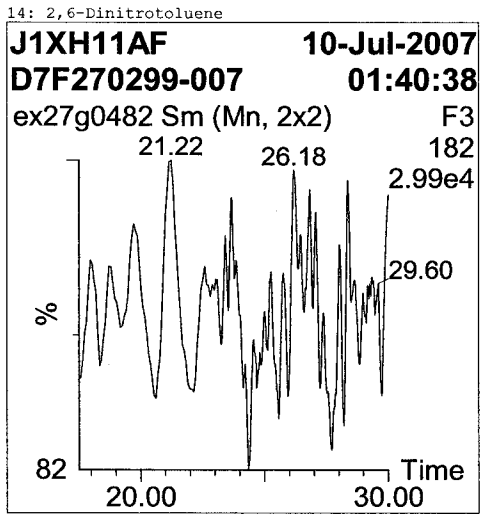
12: 4-Amino-2,6-dinitrotoluene



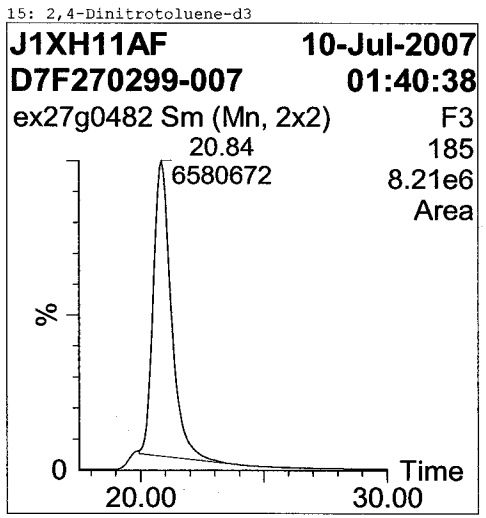
13: 2-Amino-4,6-dinitrotoluene



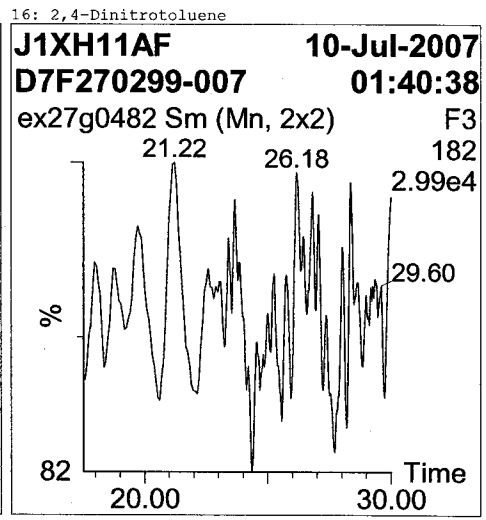
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
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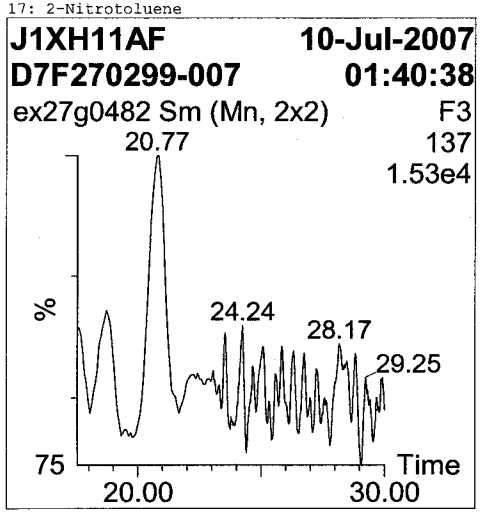
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

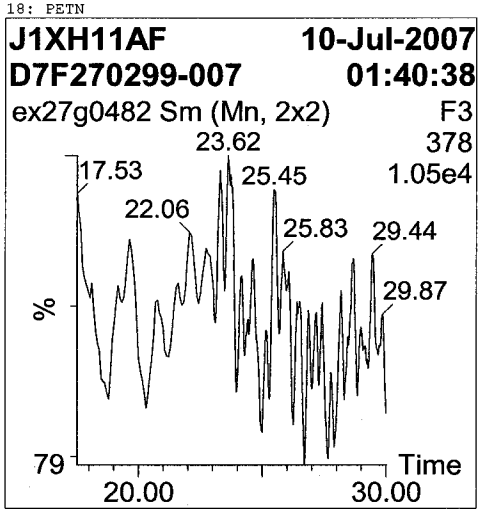
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0482
Text: D7F270299-007

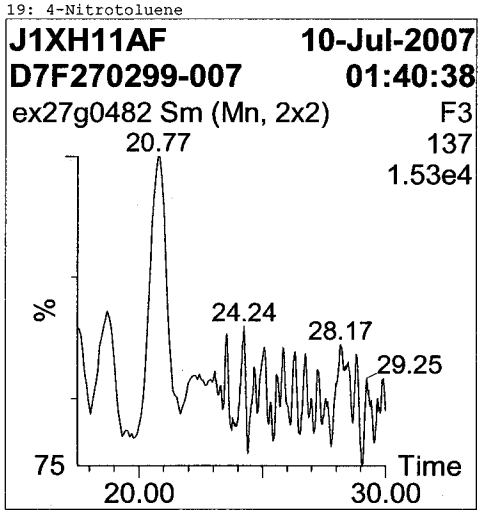
17: 2-Nitrotoluene



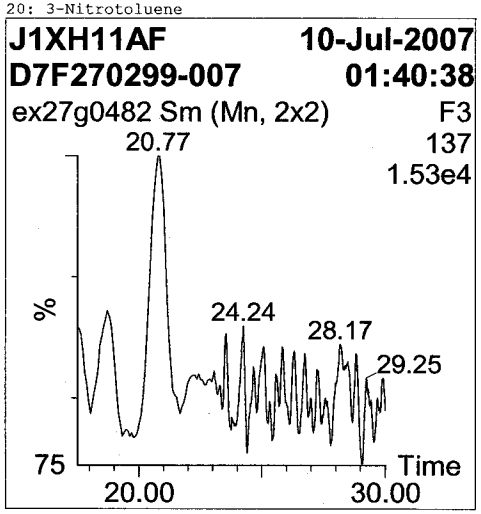
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			6876979						
4	1,3,5-Trinitrobenzene	12.40	8393	2412997	0.003	bb	0.537			
5	Tetryl			2412997						
6	Dinitrobenzene-d4 (IS)	14.60	2412997		2412996..	bb	0.957	95.67		
7	1,3-Dinitrobenzene			2412997						
8	Nitrobenzene-d5	15.68	1361394	2412997	0.564	bb	958.515	95.56		
9	Nitroglycerin			6876979						
10	Nitrobenzene			2412997						
11	2,4,6-Trinitrotoluene			2412997						
12	4-Amino-2,6-dinitrotoluene			2412997						
13	2-Amino-4,6-dinitrotoluene			2412997						
14	2,6-Dinitrotoluene			6580672						
15	2,4-Dinitrotoluene-d3	20.84	6580672		6580671..	ds	0.874	87.40		
16	2,4-Dinitrotoluene			6580672						
17	2-Nitrotoluene			6580672						
18	PETN			6580672						
19	4-Nitrotoluene			6580672						
20	3-Nitrotoluene			6580672						

Analyst: Andrew Meyer

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Last modified: Thu Jul 05 08:40:10 2007
Job Code:

Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0483
Text: D7F270299-007 MS

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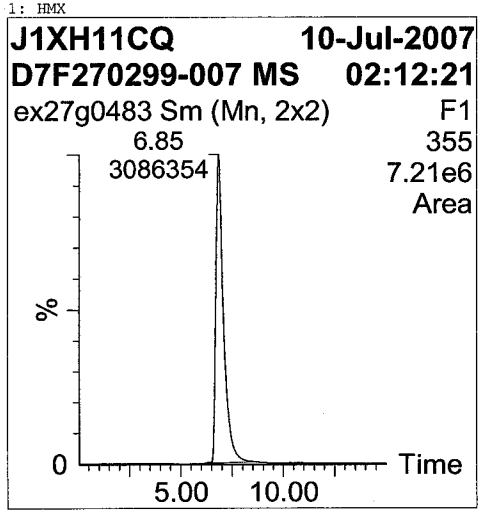
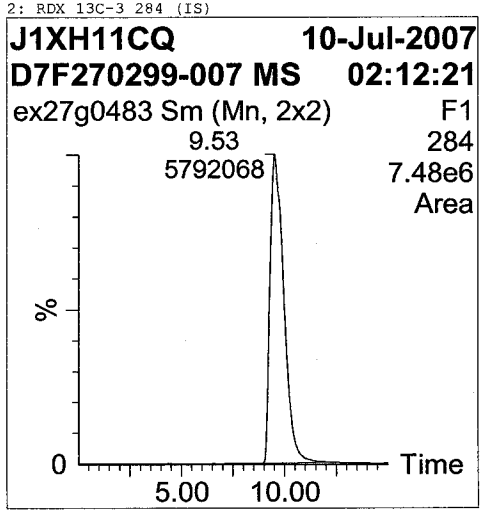
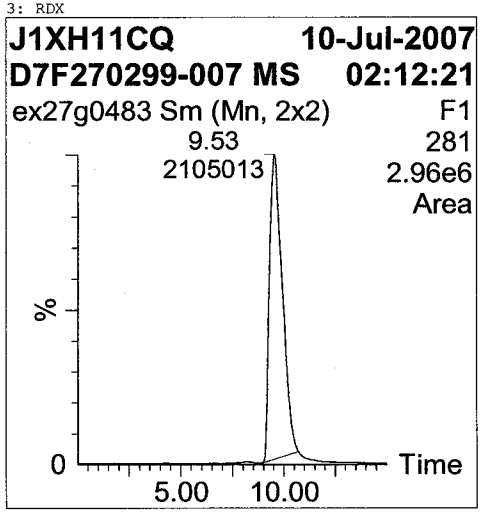


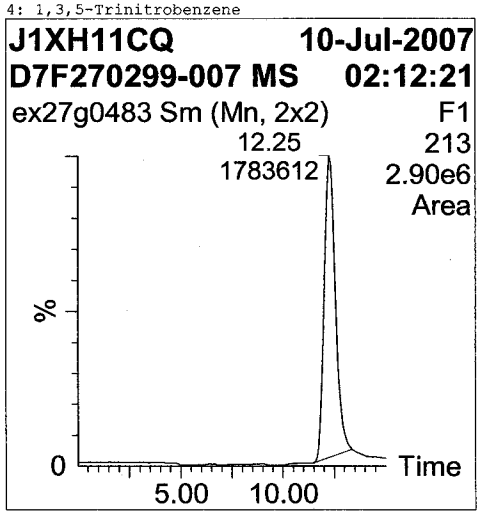
2: RDX 13C-3 284 (IS)



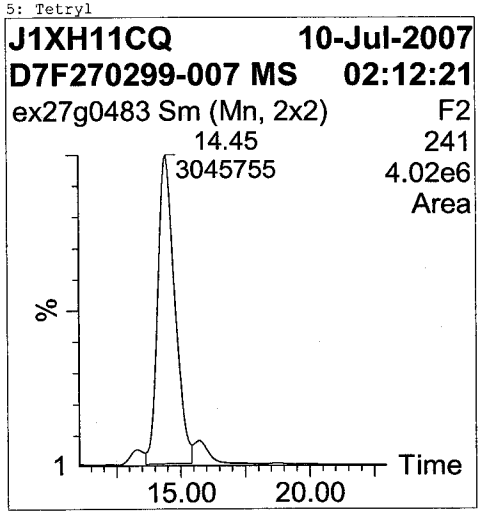
3: RDX



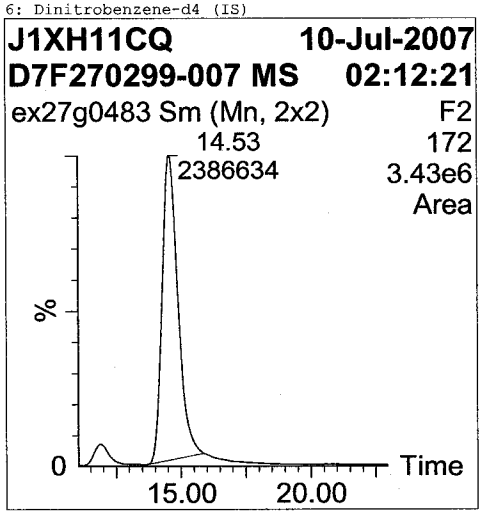
4: 1,3,5-Trinitrobenzene



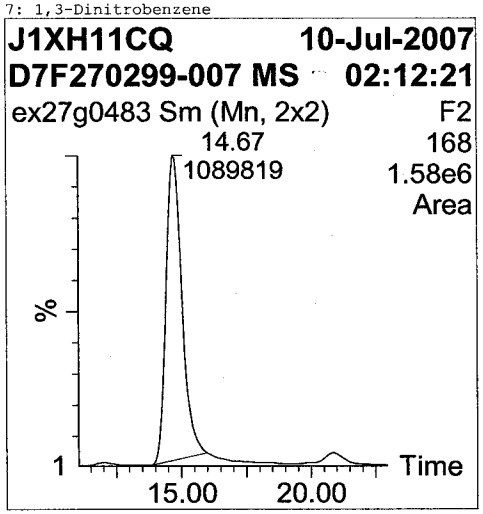
5: Tetryl



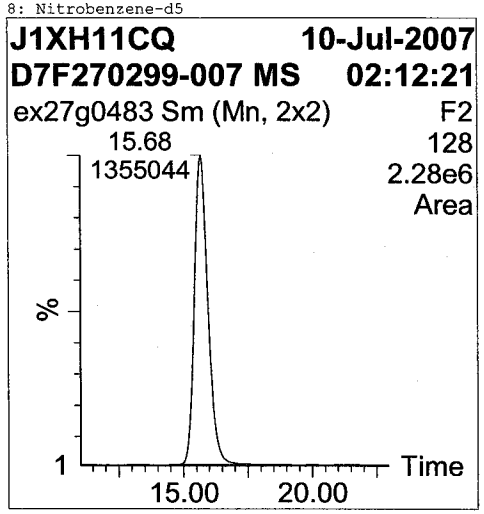
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



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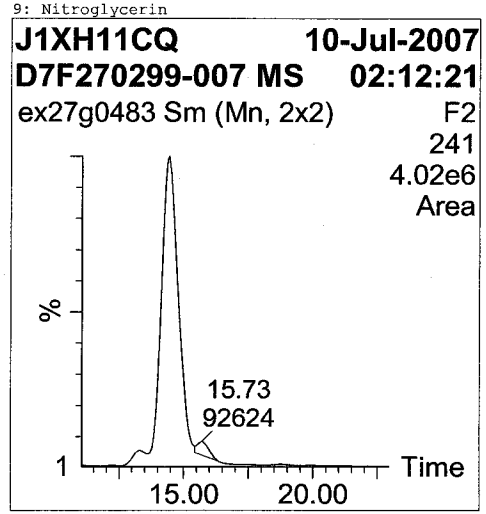
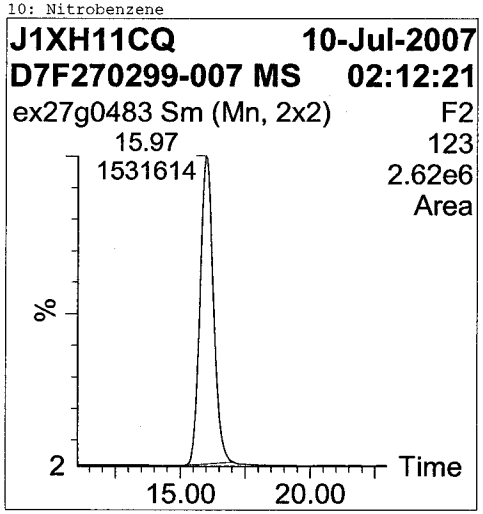
Name: ex27g0483
Text: D7F270299-007 MS

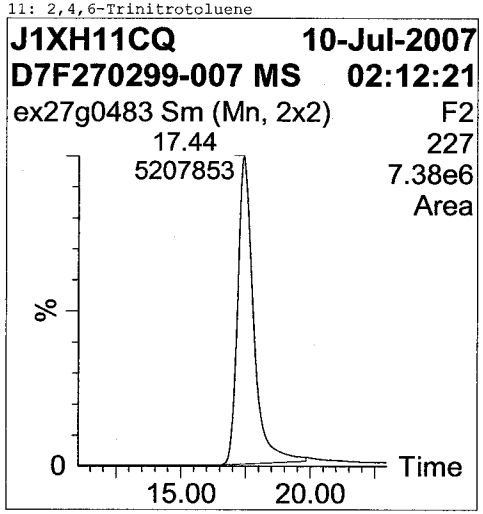
9: Nitroglycerin



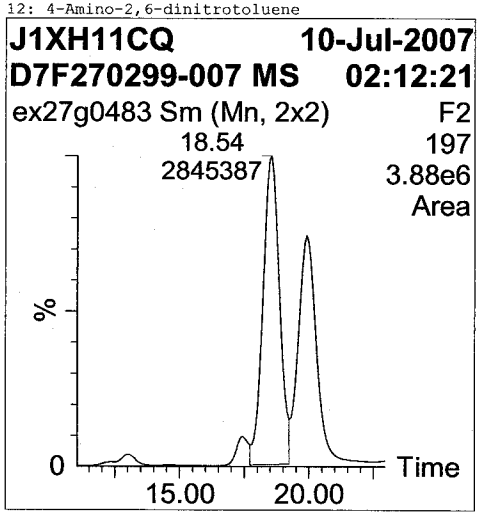
10: Nitrobenzene



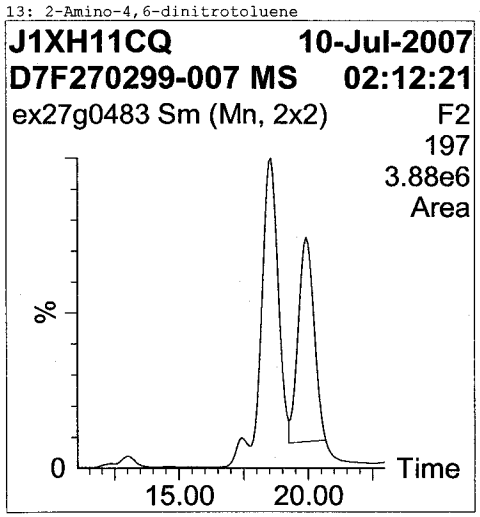
11: 2,4,6-Trinitrotoluene



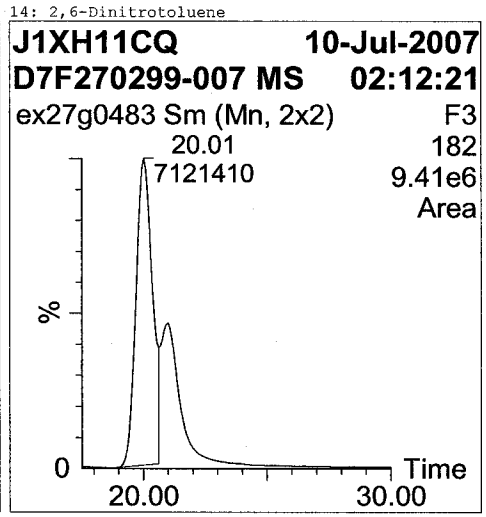
12: 4-Amino-2,6-dinitrotoluene



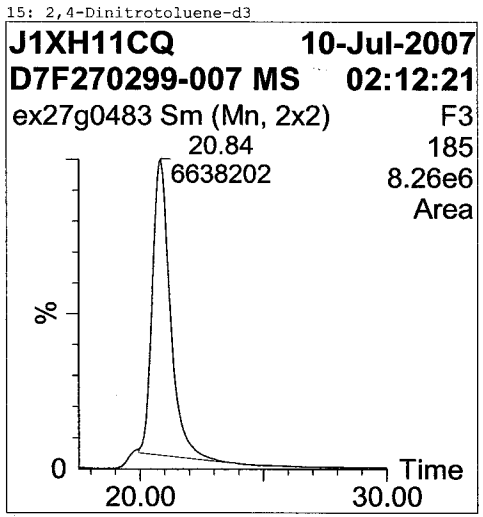
13: 2-Amino-4,6-dinitrotoluene



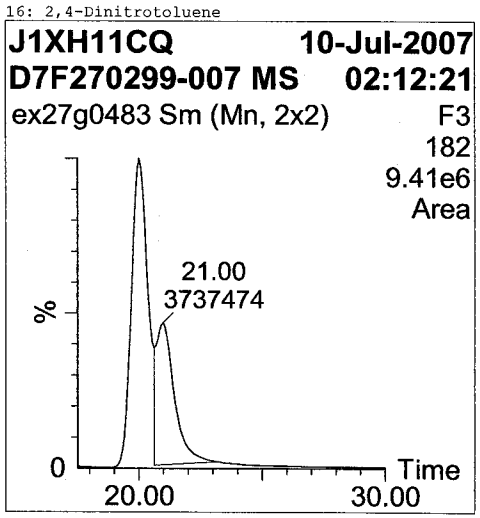
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

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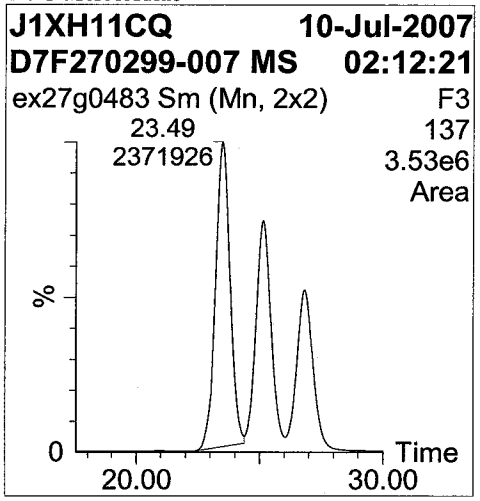
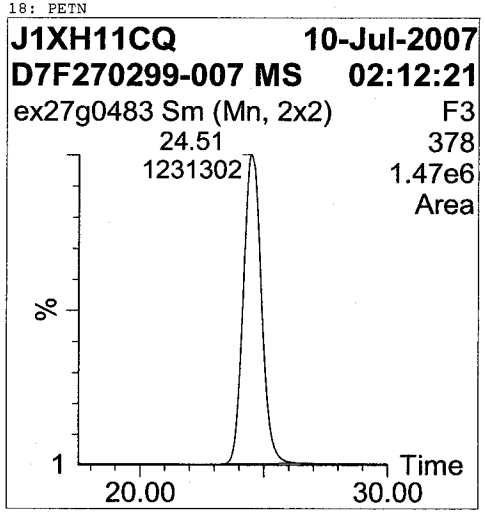
Name: ex27g0483
Text: D7F270299-007 MS

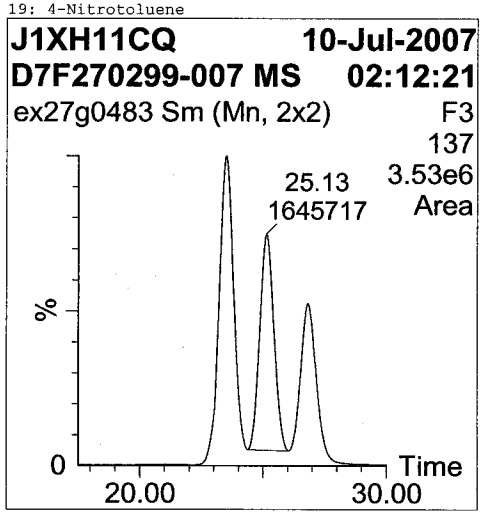
17: 2-Nitrotoluene



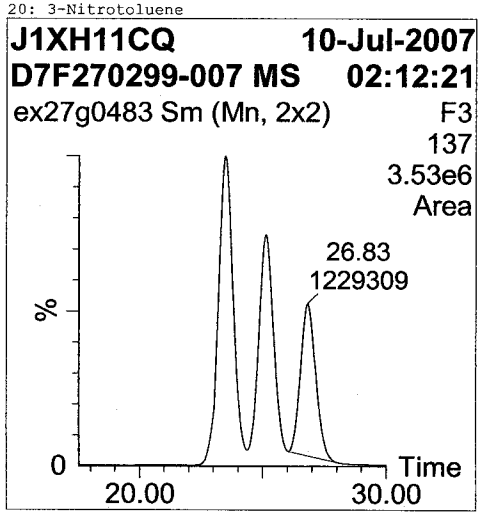
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX	9.53	2105013	5792068	0.363	bb	990.482	99.64		
4	1,3,5-Trinitrobenzene	12.25	1783612	2386634	0.747	bb	1171.793	117.88		
5	Tetryl	14.45	3045755	2386634	1.276	dd	1252.084	125.96		
6	Dinitrobenzene-d4 (IS)	14.53	2386634		2386634..	bb	0.946	94.62		
7	1,3-Dinitrobenzene	14.67	1089819	2386634	0.457	bb	1083.900	109.04		
8	Nitrobenzene-d5	15.68	1355044	2386634	0.568	bb	956.016	96.18		
9	Nitroglycerin	15.73	92624	5792068	0.016	db	733.074	73.75		
10	Nitrobenzene	15.97	1531614	2386634	0.642	bb	1034.243	104.04		
11	2,4,6-Trinitrotoluene	17.44	5207853	2386634	2.182	bs	1146.321	115.32		
12	4-Amino-2,6-dinitrotoluene	18.55	2845387	2386634	1.192	dd	987.913	99.38		
13	2-Amino-4,6-dinitrotoluene	19.91	1812824	2386634	0.760	db	936.144	94.18		
14	2,6-Dinitrotoluene	20.01	7121410	6638202	1.073	bd	1091.173	109.77		
15	2,4-Dinitrotoluene-d3	20.84	6638202		6638201..	ds	0.882	88.17		
16	2,4-Dinitrotoluene	21.00	3737474	6638202	0.563	db	1186.516	119.36		
17	2-Nitrotoluene	23.49	2371926	6638202	0.357	bd	1116.745	112.34		
18	PETN	24.51	1231302	6638202	0.185	bb	874.639	87.99		
19	4-Nitrotoluene	25.13	1645717	6638202	0.248	bb	1093.755	110.03		
20	3-Nitrotoluene	26.83	1229309	6638202	0.185	bb	1090.433	109.70		

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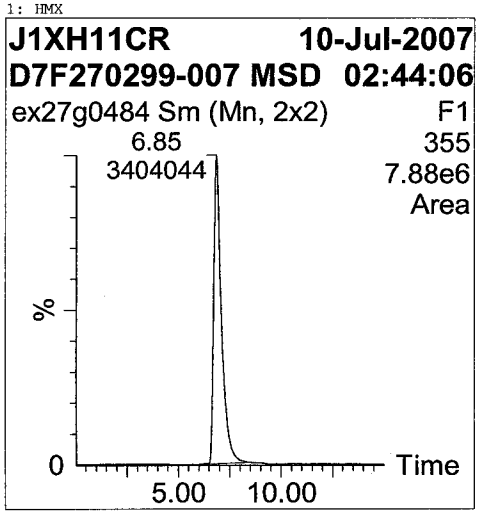
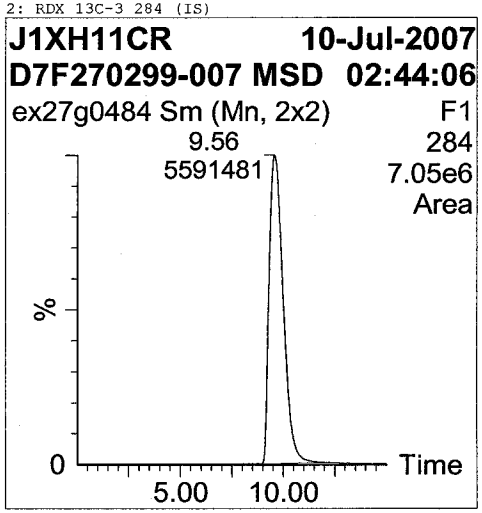
Name: ex27g0484
Text: D7F270299-007 MSD

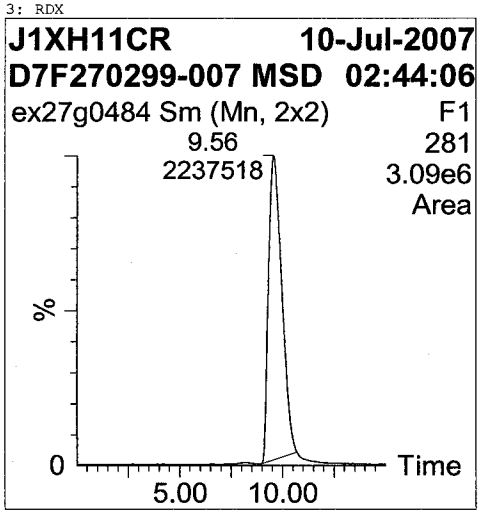
1: HMX



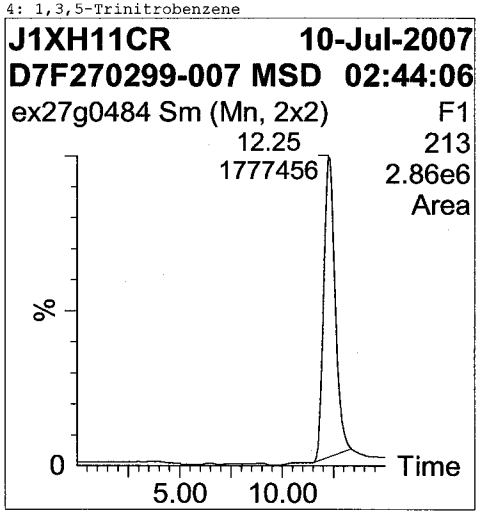
2: RDX 13C-3 284 (IS)



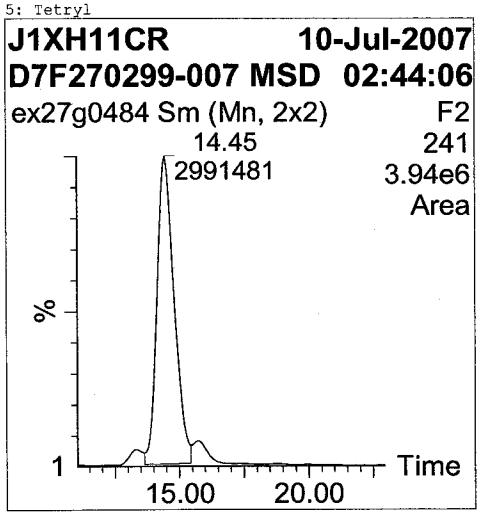
3: RDX



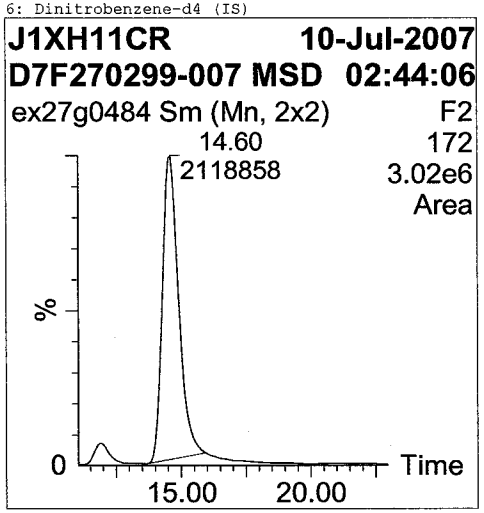
4: 1,3,5-Trinitrobenzene



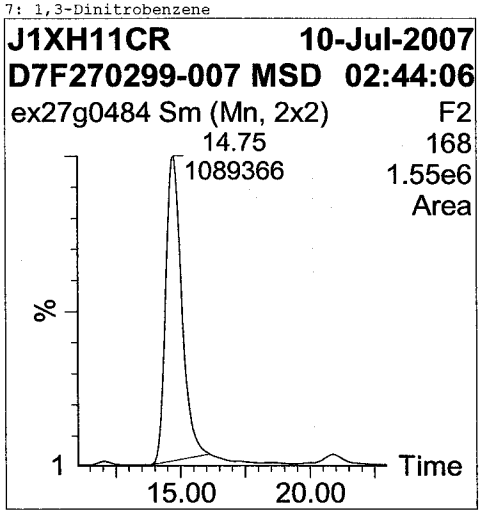
5: Tetryl



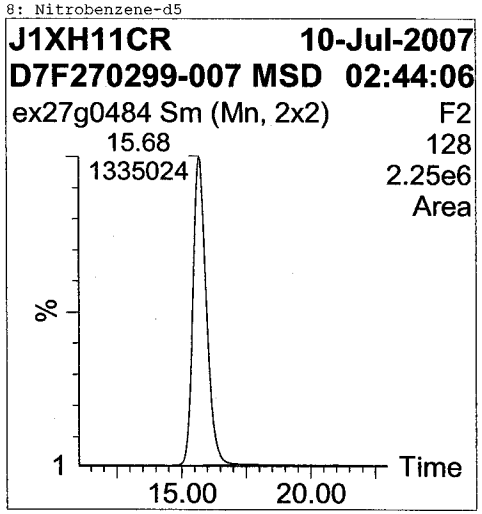
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



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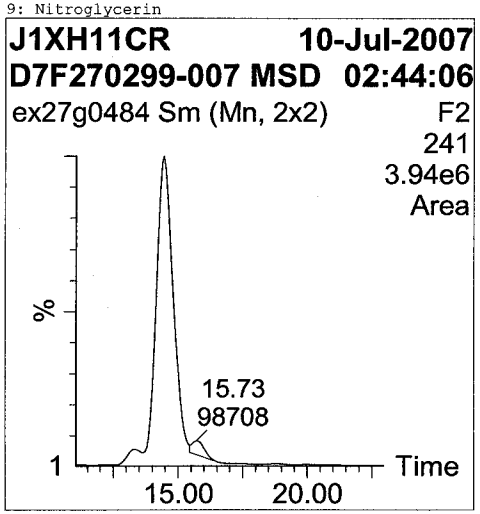
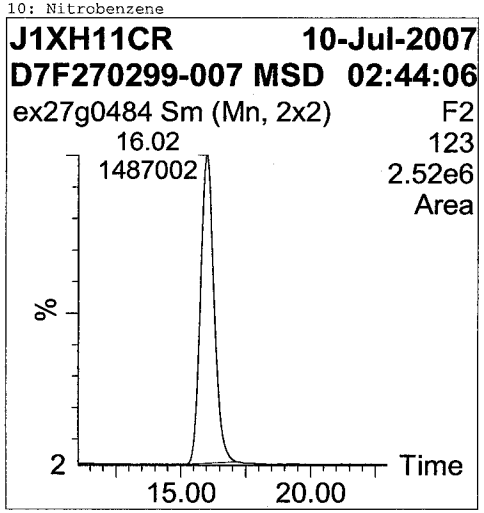
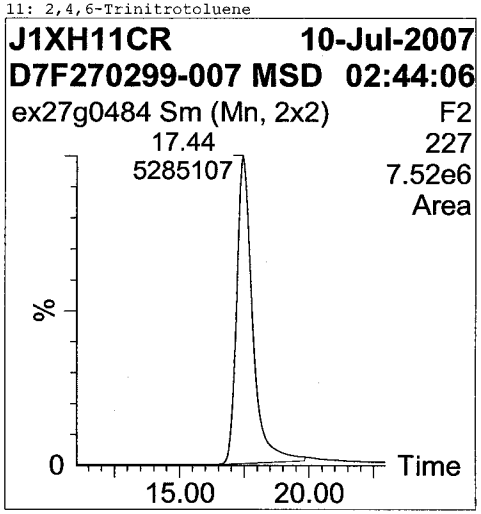
9: Nitroglycerin



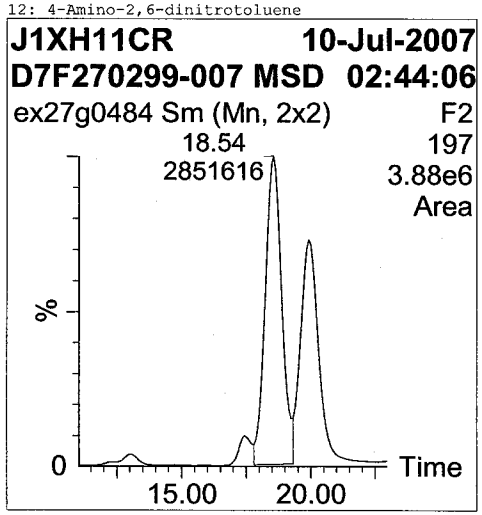
10: Nitrobenzene



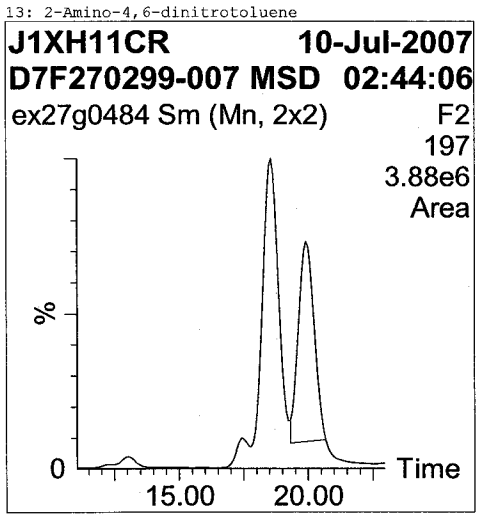
11: 2,4,6-Trinitrotoluene



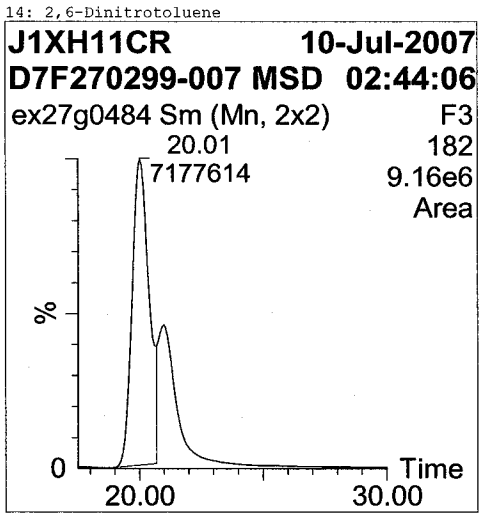
12: 4-Amino-2,6-dinitrotoluene



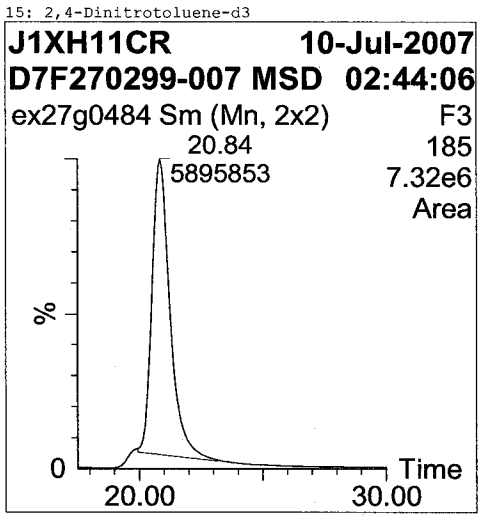
13: 2-Amino-4,6-dinitrotoluene



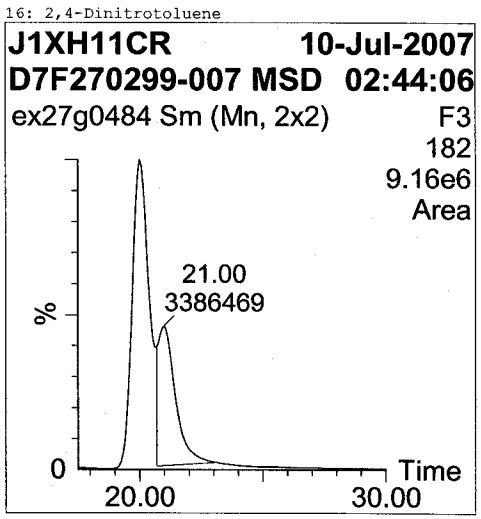
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



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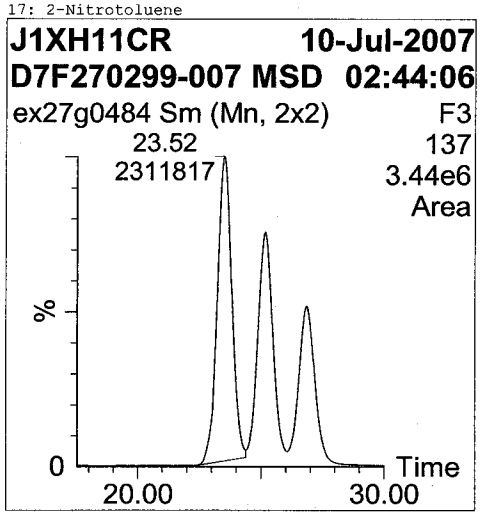
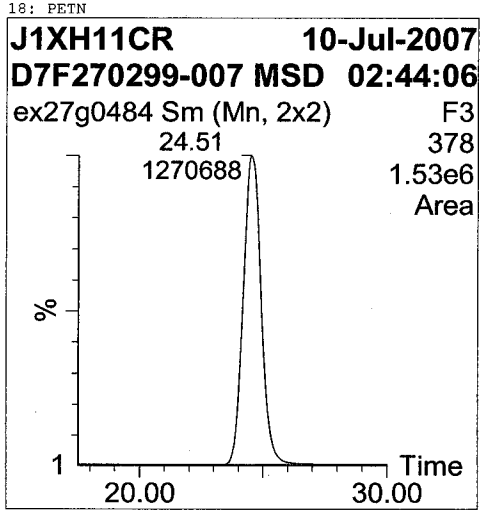
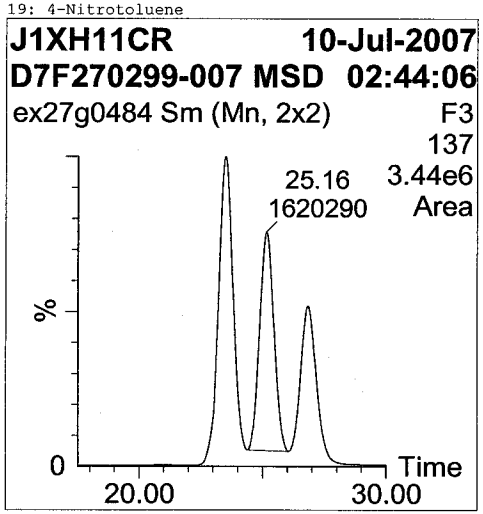
17: 2-Nitrotoluene



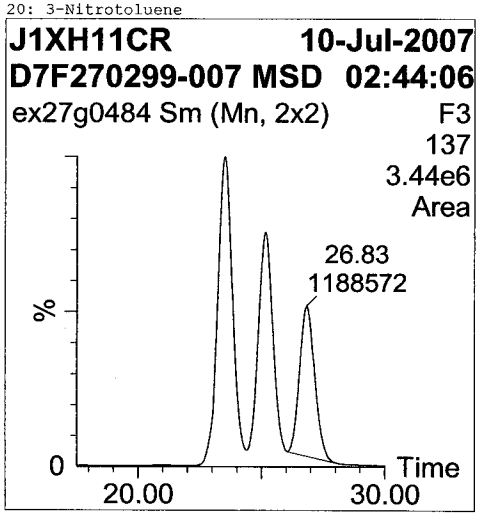
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX	9.56	2237518	5591481	0.400	bb	1109.521	110.62		
4	1,3,5-Trinitrobenzene	12.25	1777456	2118858	0.839	bb	1327.810	132.38		
5	Tetryl	14.45	2991481	2118858	1.412	dd	1414.173	140.99		
6	Dinitrobenzene-d4 (IS)	14.60	2118858		2118857..	bb	0.840	84.01		
7	1,3-Dinitrobenzene	14.75	1089366	2118858	0.514	bb	1231.204	122.75		
8	Nitrobenzene-d5	15.68	1335024	2118858	0.630	bb	1071.779	106.86		
9	Nitroglycerin	15.73	98708	5591481	0.018	db	826.155	82.37		
10	Nitrobenzene	16.02	1487002	2118858	0.702	bb	1146.473	114.30		
11	2,4,6-Trinitrotoluene	17.43	5285107	2118858	2.494	bs	1320.808	131.68		
12	4-Amino-2,6-dinitrotoluene	18.55	2851616	2118858	1.346	dd	1124.663	112.13		
13	2-Amino-4,6-dinitrotoluene	19.91	1753999	2118858	0.828	db	1029.905	102.68		
14	2,6-Dinitrotoluene	20.01	7177614	5895853	1.217	bd	1248.871	124.51		
15	2,4-Dinitrotoluene-d3	20.84	5895853		5895853..	ds	0.783	78.31		
16	2,4-Dinitrotoluene	21.00	3386469	5895853	0.574	db	1221.251	121.76		
17	2-Nitrotoluene	23.52	2311817	5895853	0.392	bd	1242.929	123.92		
18	PETN	24.51	1270688	5895853	0.216	bb	1059.098	105.59		
19	4-Nitrotoluene	25.16	1620290	5895853	0.275	bb	1230.355	122.67		
20	3-Nitrotoluene	26.83	1188572	5895853	0.202	bb	1202.909	119.93		

Analyst: Andrew Meyer

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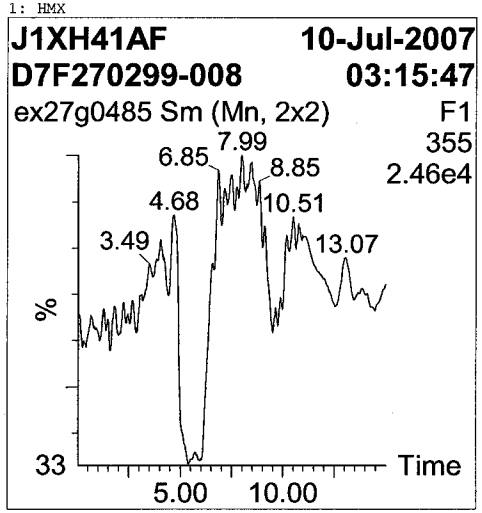
Job Code:

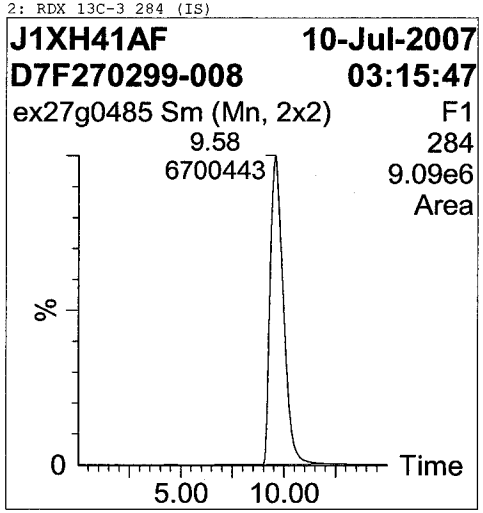
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0485
Text: D7F270299-008

1: HMX



2: RDX 13C-3 284 (IS)



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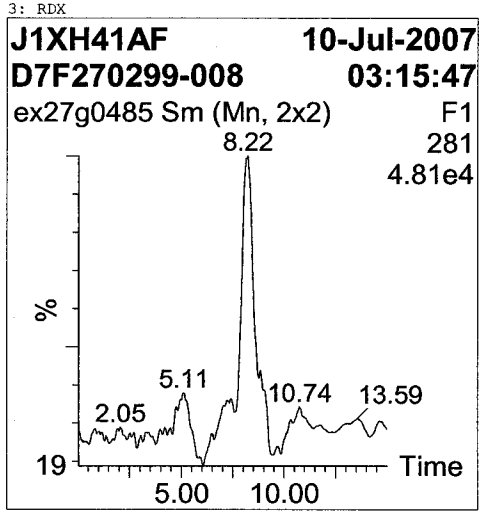
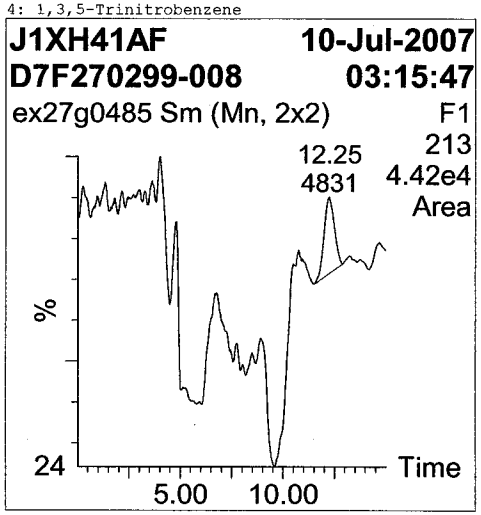
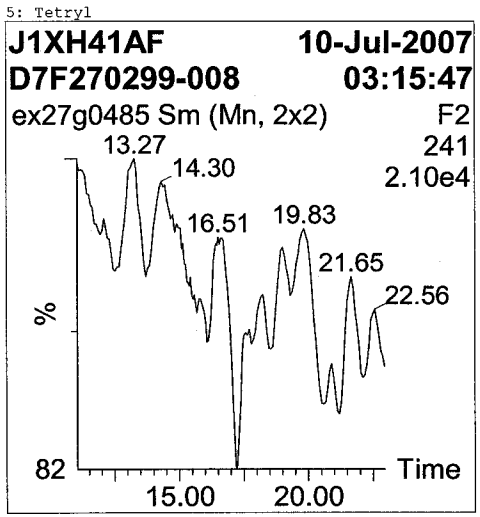


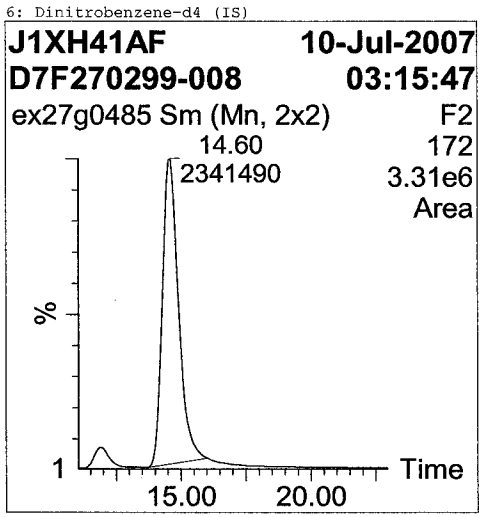
4: 1,3,5-Trinitrobenzene



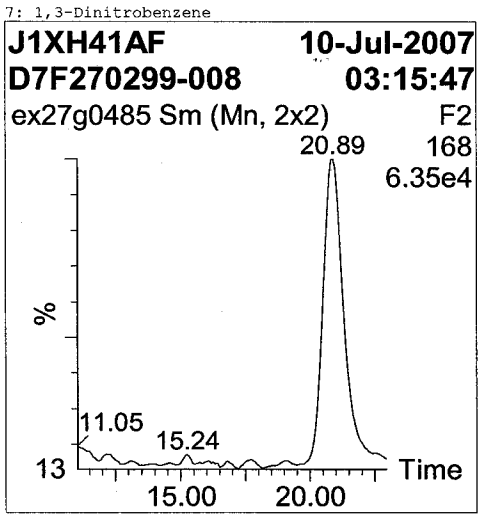
5: Tetryl



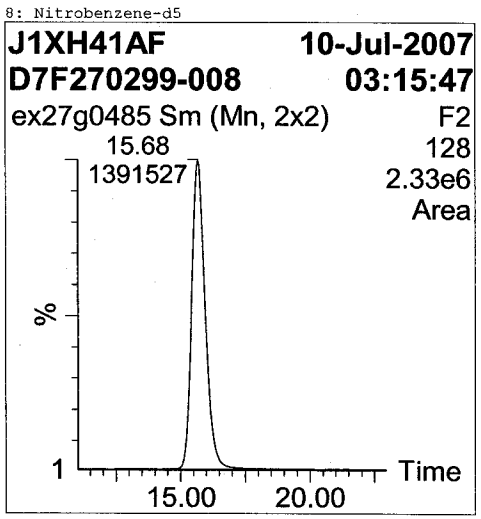
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

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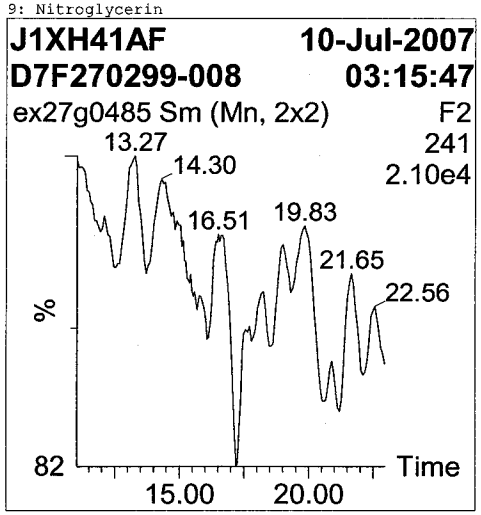
9: Nitroglycerin



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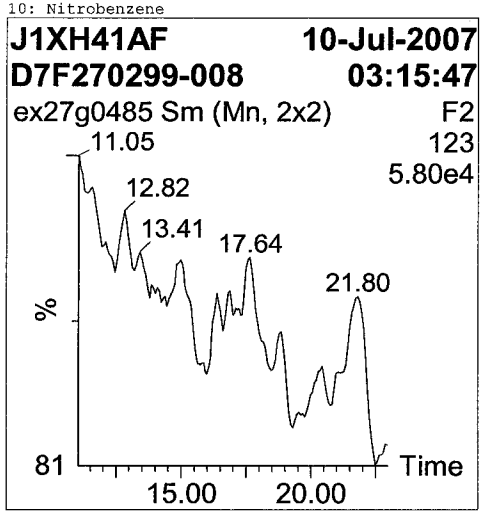
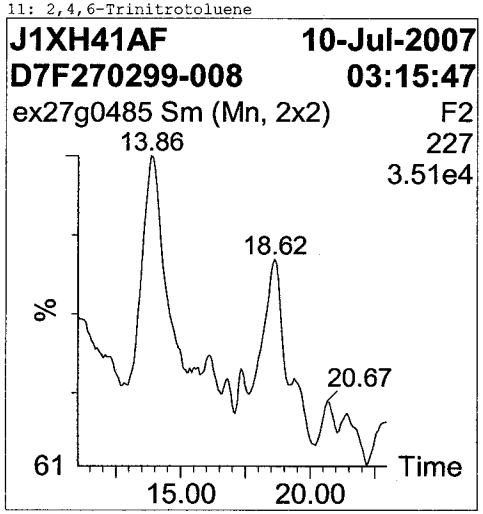


11: 2,4,6-Trinitrotoluene



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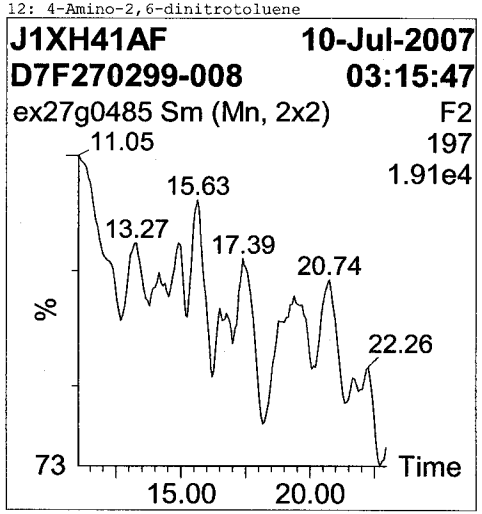
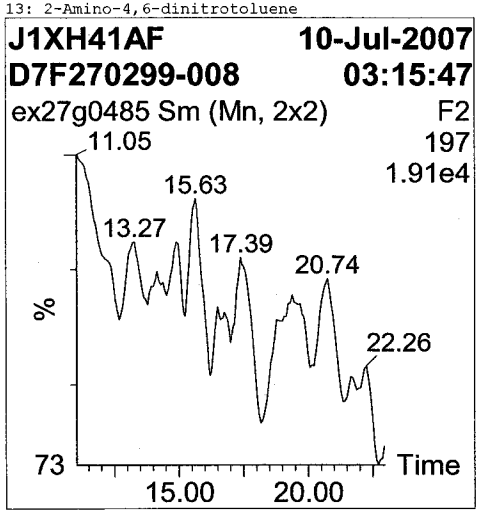
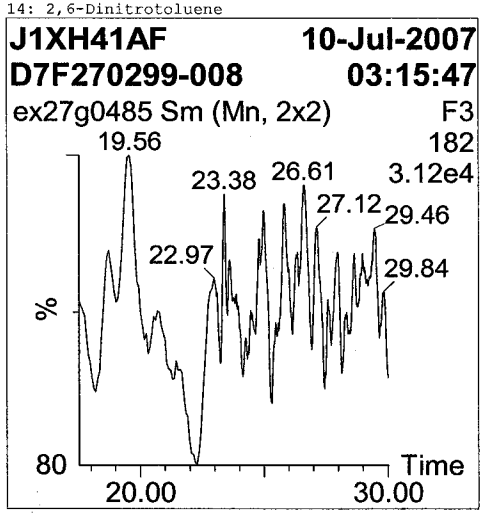


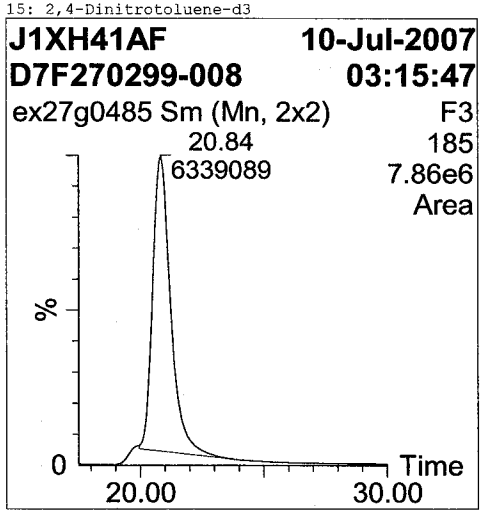
13: 2-Amino-4,6-dinitrotoluene



14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



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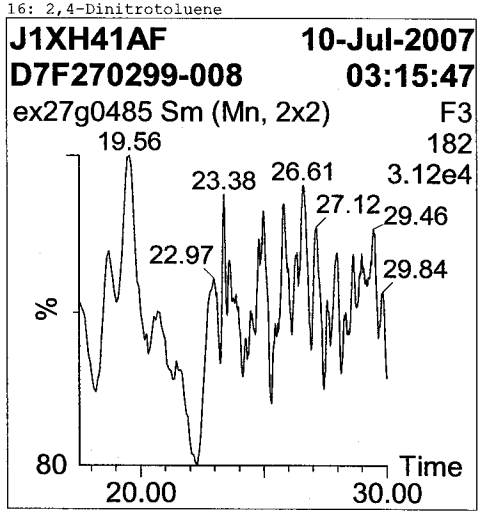

Analyst: Andrew Meyer

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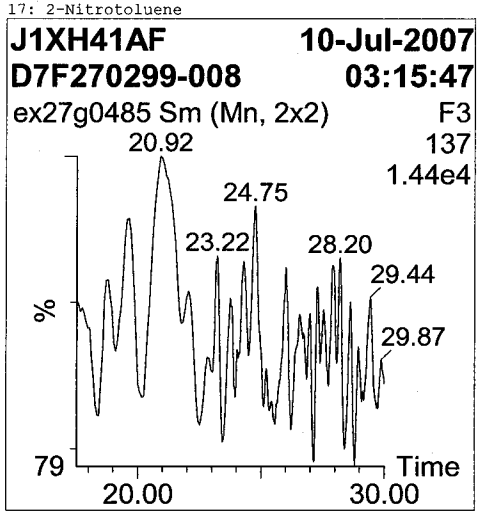
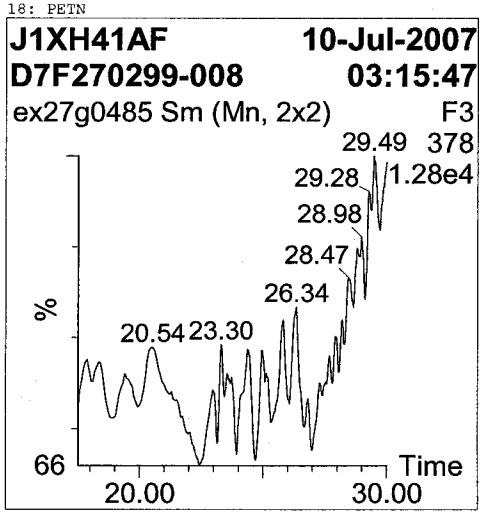
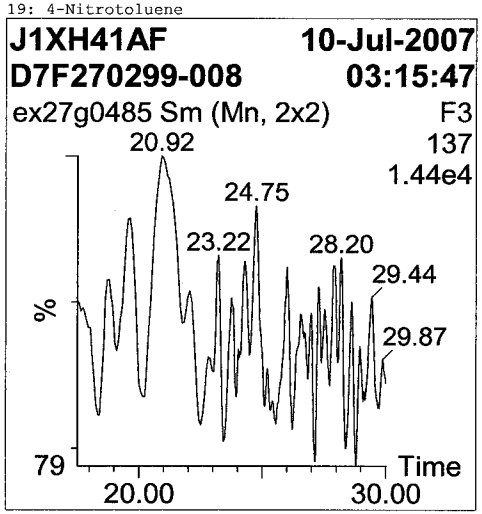
17: 2-Nitrotoluene



18: PETN



19: 4-Nitrotoluene



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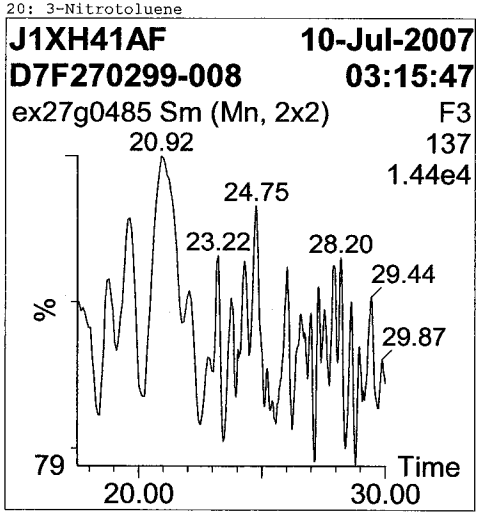

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3	RDX			6700443						
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5	Tetryl			2341490						
6	Dinitrobenzene-d4 (IS)	14.60	2341490		2341490..	bb	0.928	92.83		
7	1,3-Dinitrobenzene			2341490						
8	Nitrobenzene-d5	15.68	1391527	2341490	0.594	bb	1008.195	100.72		
9	Nitroglycerin			6700443						
10	Nitrobenzene			2341490						
11	2,4,6-Trinitrotoluene			2341490						
12	4-Amino-2,6-dinitrotoluene			2341490						
13	2-Amino-4,6-dinitrotoluene			2341490						
14	2,6-Dinitrotoluene			6339089						
15	2,4-Dinitrotoluene-d3	20.84	6339089		6339088..	ds	0.842	84.19		
16	2,4-Dinitrotoluene			6339089						
17	2-Nitrotoluene			6339089						
18	PETN			6339089						
19	4-Nitrotoluene			6339089						
20	3-Nitrotoluene			6339089						

Analyst: Andrew Meyer

Quantify Sample Report
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Name: ex27g0486
Text: D7F270299-009

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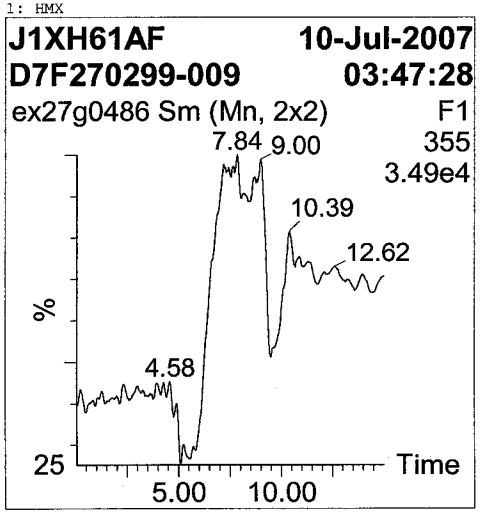

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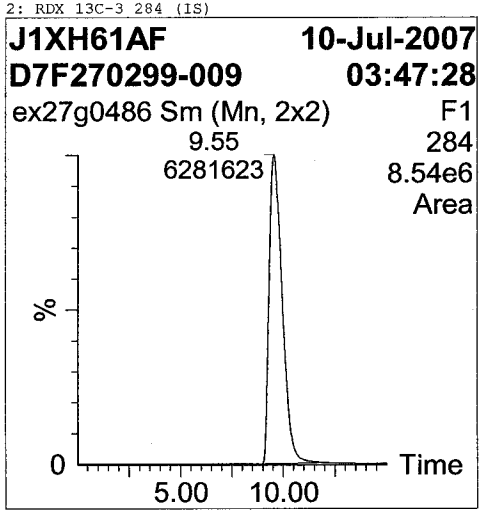
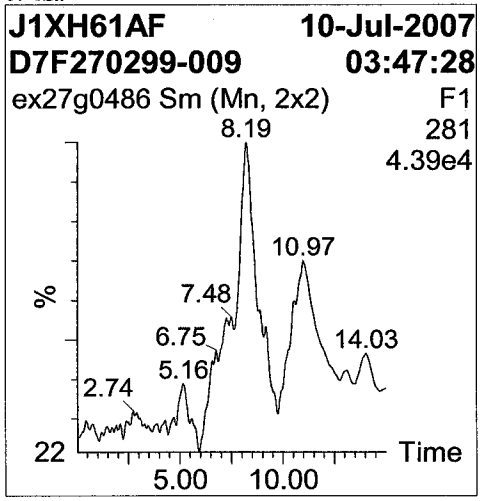
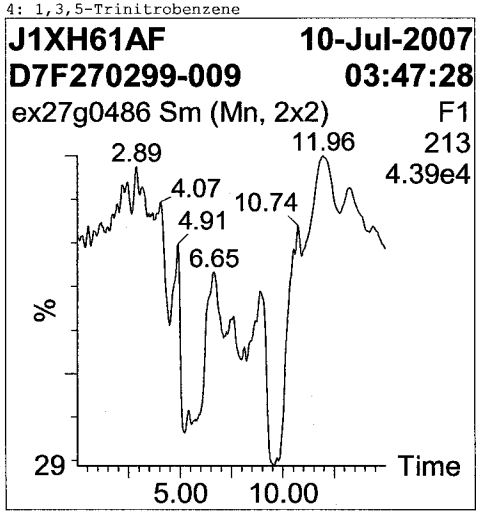


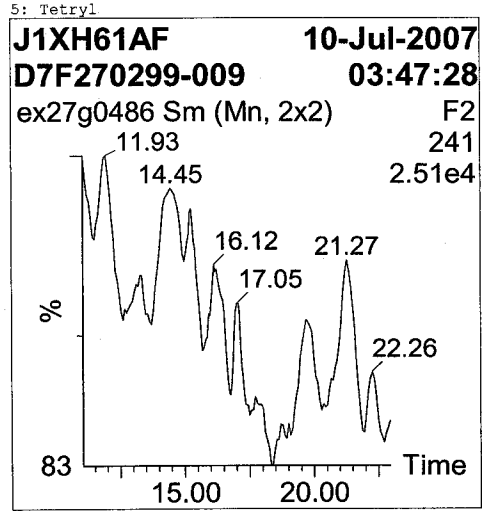
3: RDX



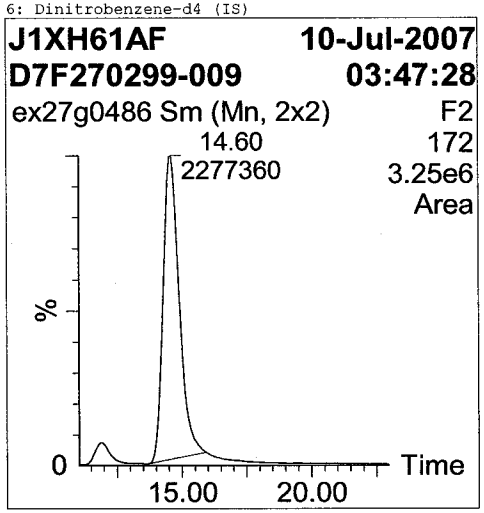
4: 1,3,5-Trinitrobenzene



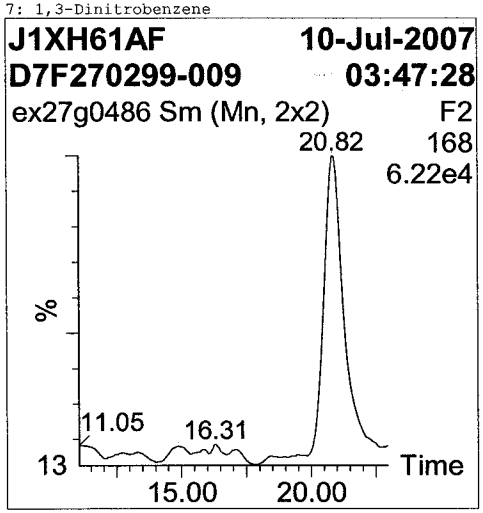
5: Tetryl



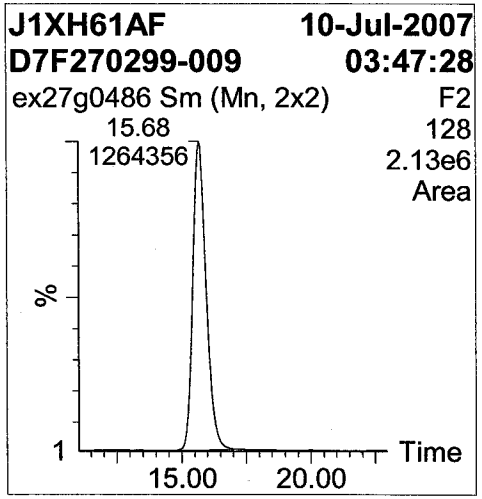
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



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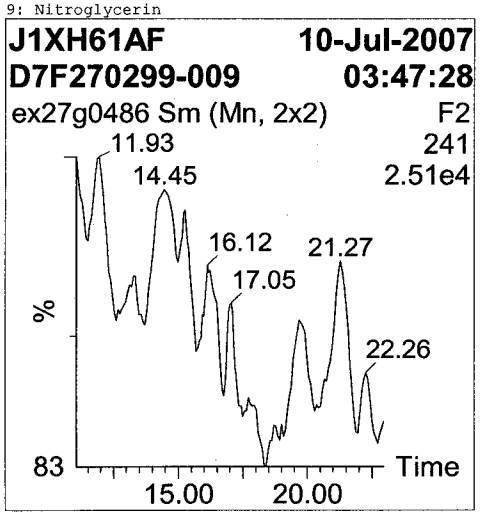
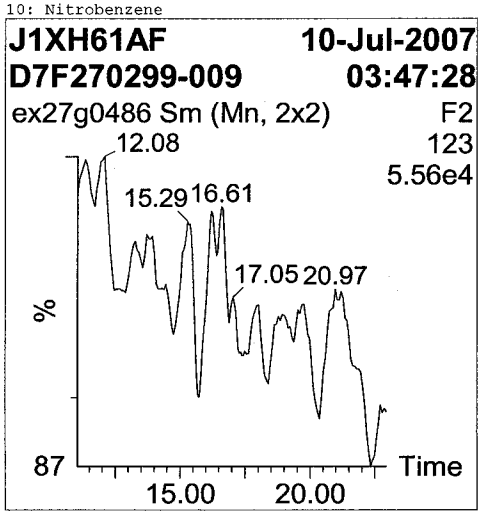
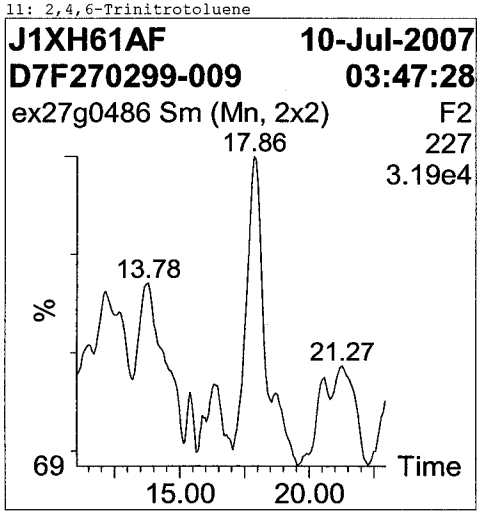
9: Nitroglycerin



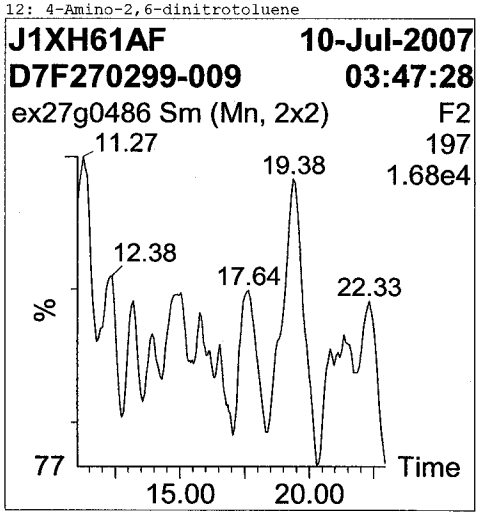
10: Nitrobenzene



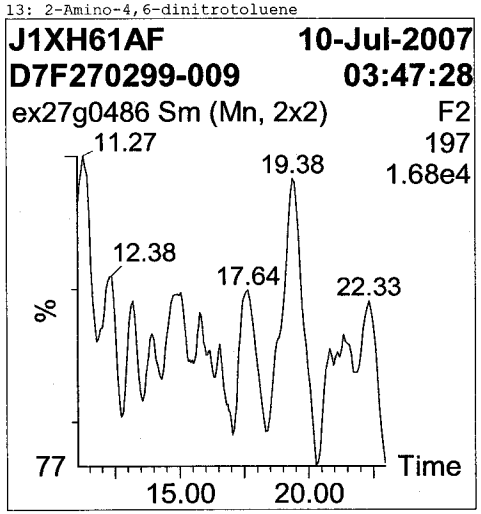
11: 2,4,6-Trinitrotoluene



12: 4-Amino-2,6-dinitrotoluene



13: 2-Amino-4,6-dinitrotoluene



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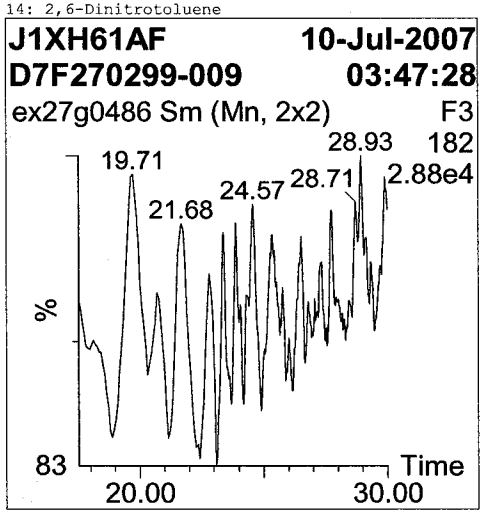
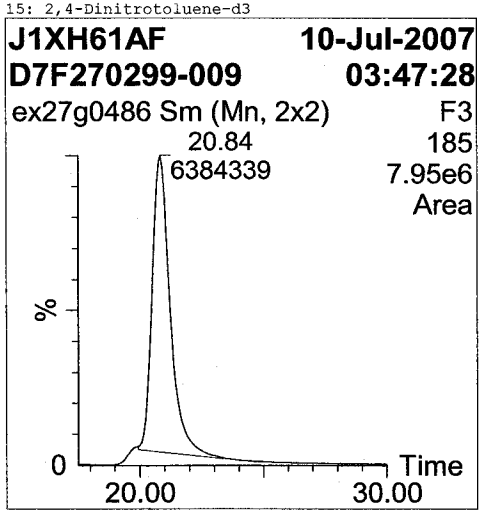


15: 2,4-Dinitrotoluene-d3



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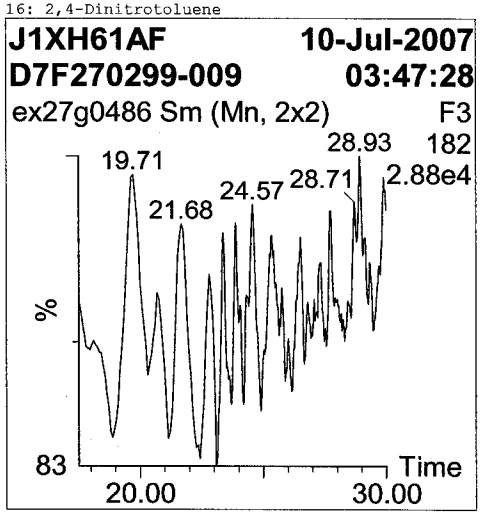

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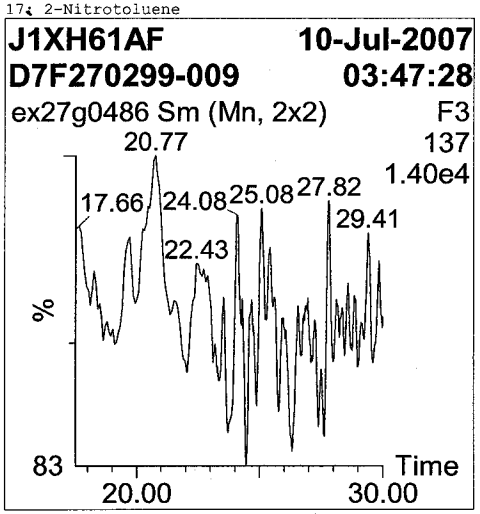
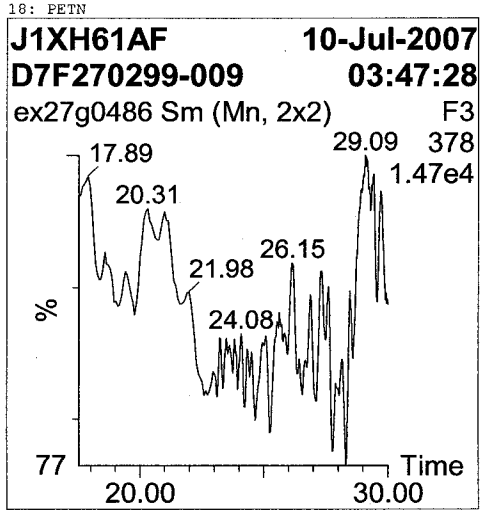
17: 2-Nitrotoluene



18: PETN



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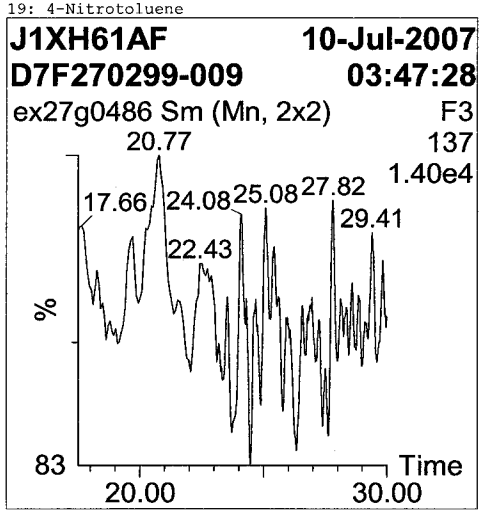
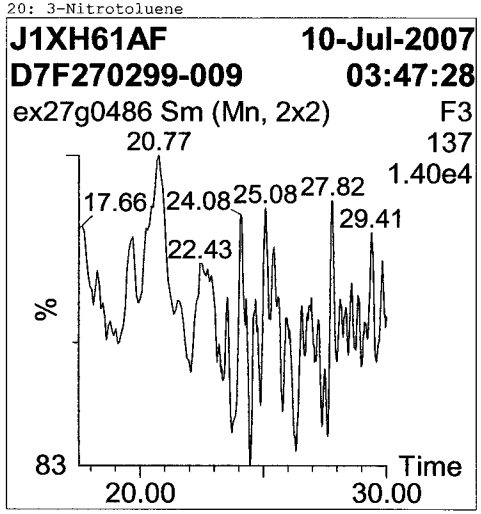


20: 3-Nitrotoluene



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5	Tetryl			2277360						
6	Dinitrobenzene-d4 (IS)	14.60	2277360		2277359..	bb	0.903	90.29		
7	1,3-Dinitrobenzene			2277360						
8	Nitrobenzene-d5	15.68	1264356	2277360	0.555	bb	934.621	94.02		
9	Nitroglycerin			6281623						
10	Nitrobenzene			2277360						
11	2,4,6-Trinitrotoluene			2277360						
12	4-Amino-2,6-dinitrotoluene			2277360						
13	2-Amino-4,6-dinitrotoluene			2277360						
14	2,6-Dinitrotoluene			6384339						
15	2,4-Dinitrotoluene-d3	20.84	6384339		6384338..	ds	0.848	84.80		
16	2,4-Dinitrotoluene			6384339						
17	2-Nitrotoluene			6384339						
18	PETN			6384339						
19	4-Nitrotoluene			6384339						
20	3-Nitrotoluene			6384339						

Analyst: Andrew Meyer

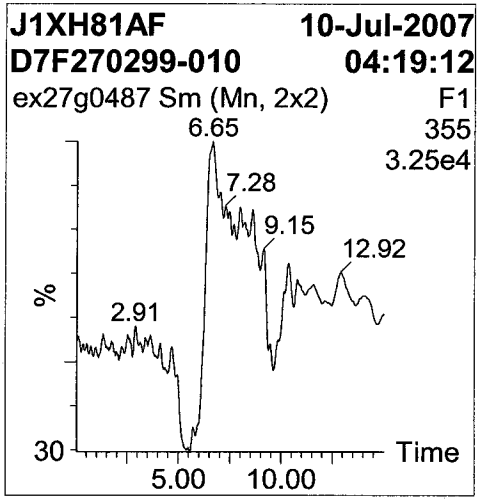
Quantify Sample Report
Explosives Analysis

Sample List: C:\MassLynx\Explosives.PRO\SampleDB\ex27g03(08)
Last modified: Tue Jul 10 08:00:59 2007
Method: C:\MassLynx\Explosives.PRO\MethDB\ex27g03L
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

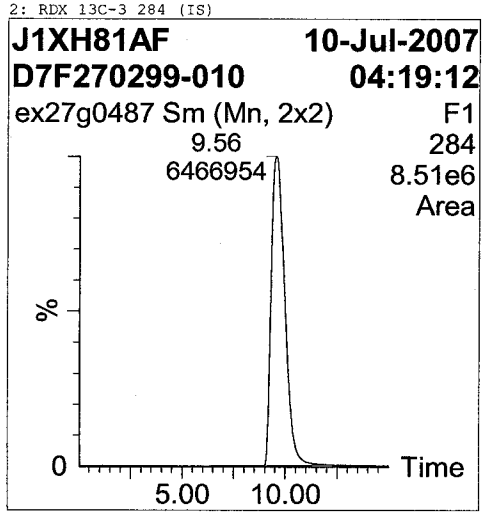
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0487
Text: D7F270299-010

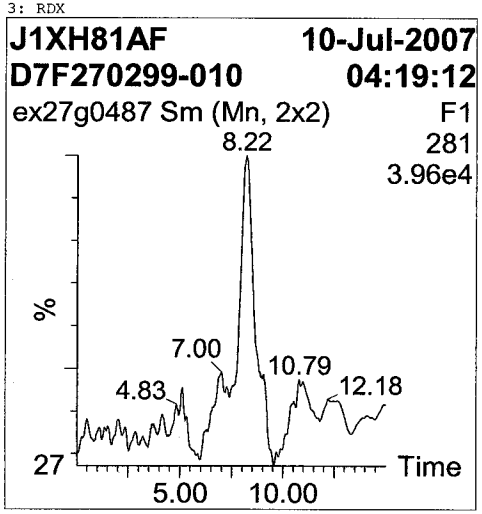
1: HMX



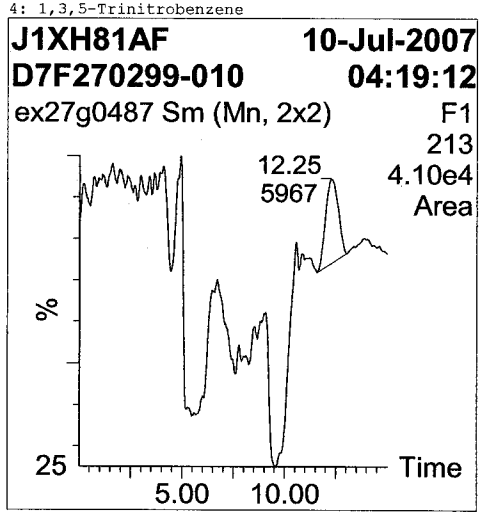
2: RDX 13C-3 284 (IS)



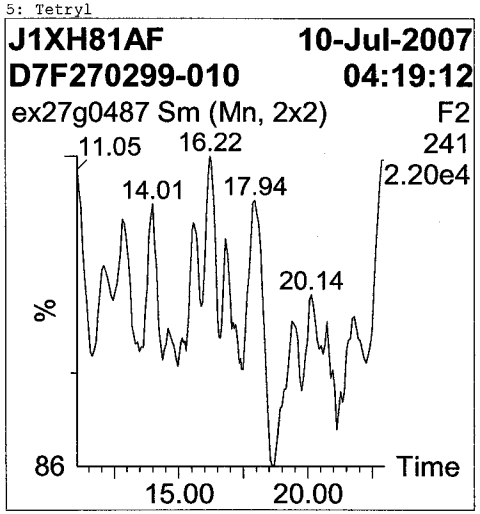
3: RDX



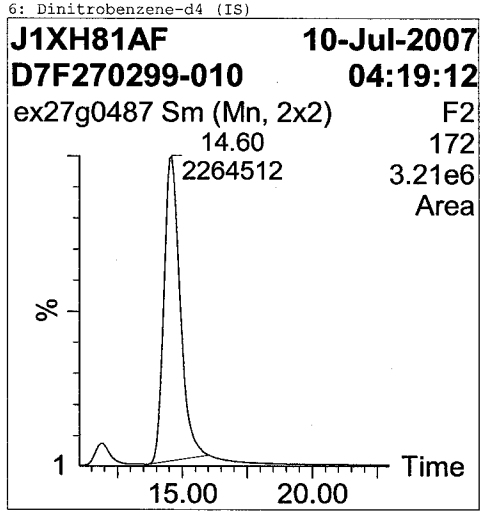
4: 1,3,5-Trinitrobenzene



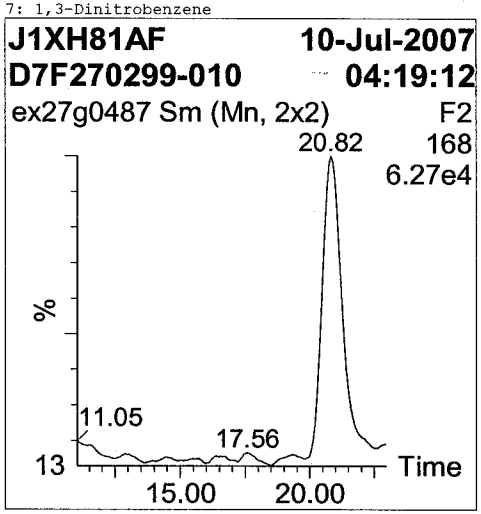
5: Tetryl



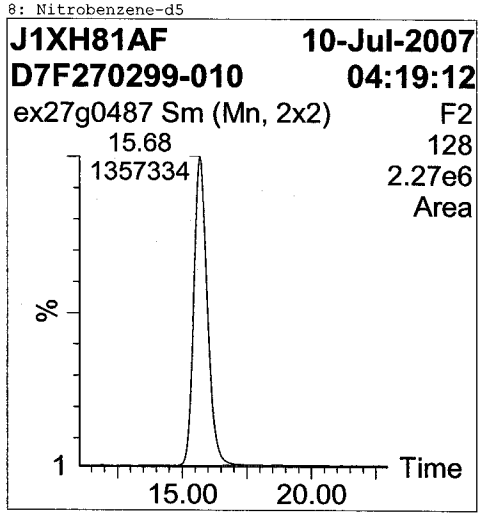
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

TestAmerica

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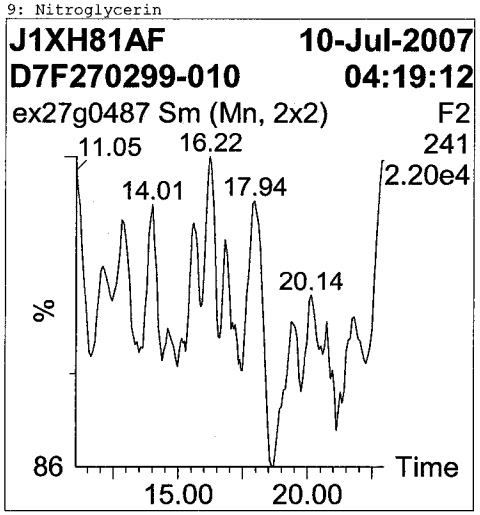
Last modified: Thu Jul 05 08:40:10 2007
Job Code:

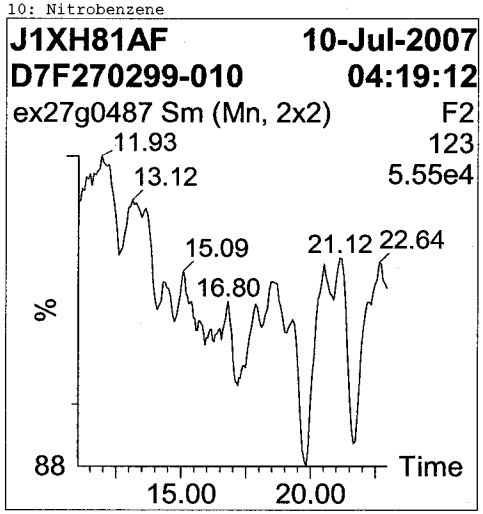
Printed: Tue Jul 10 08:18:53 2007

Name: ex27g0487
Text: D7F270299-010

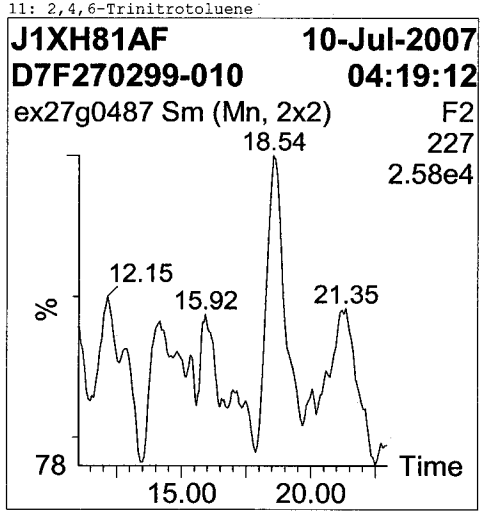
9: Nitroglycerin



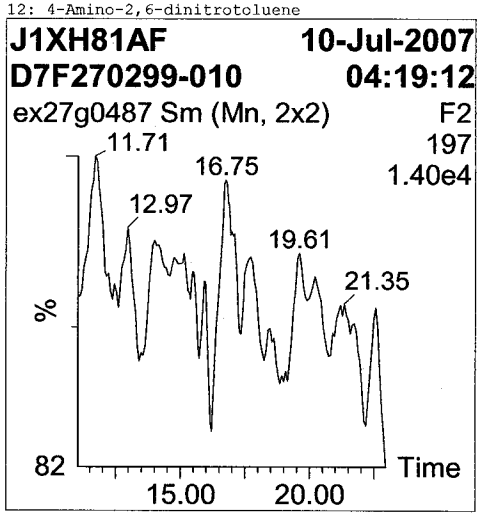
10: Nitrobenzene



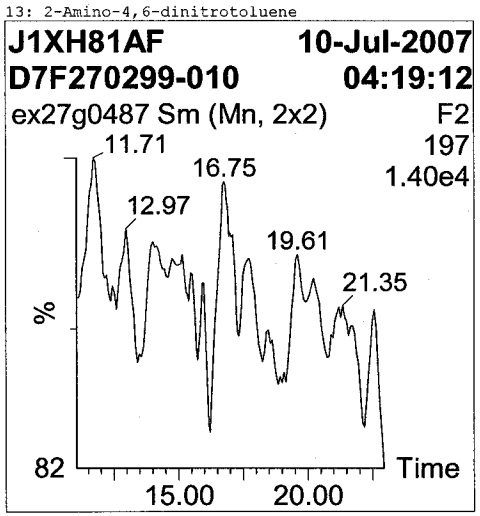
11: 2,4,6-Trinitrotoluene



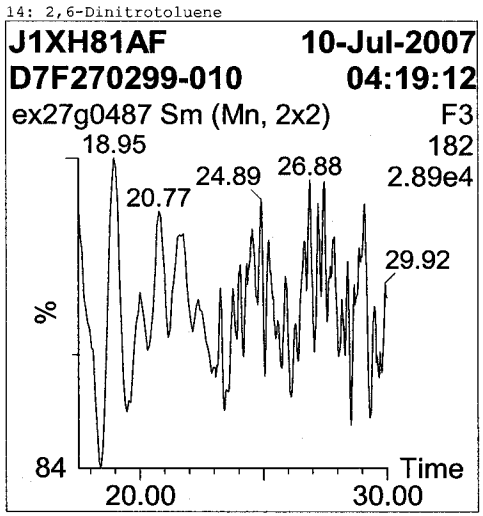
12: 4-Amino-2,6-dinitrotoluene



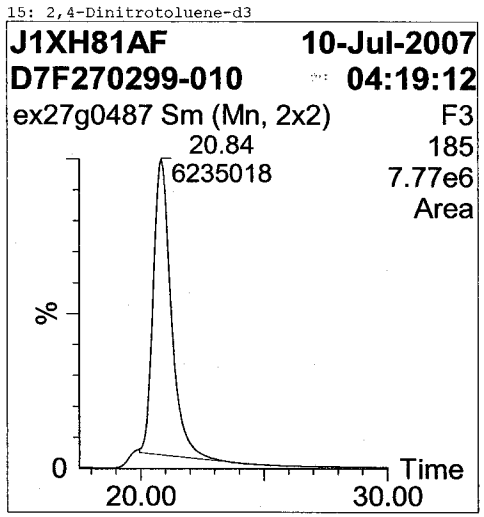
13: 2-Amino-4,6-dinitrotoluene



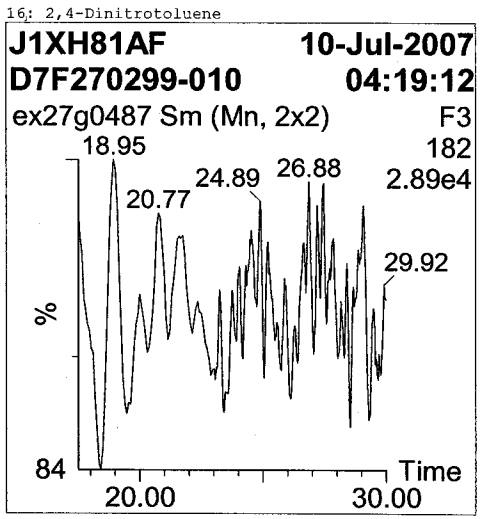
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

Quantify Sample Report
Explosives Analysis

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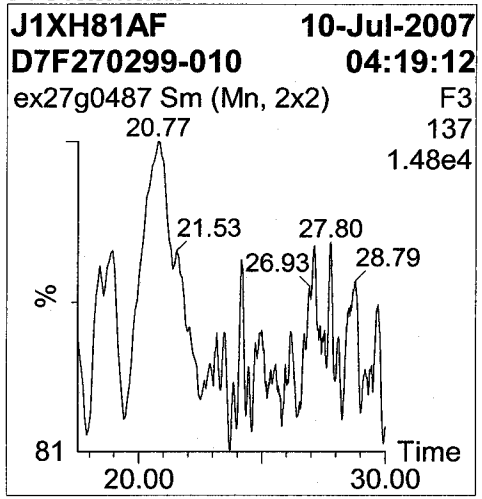
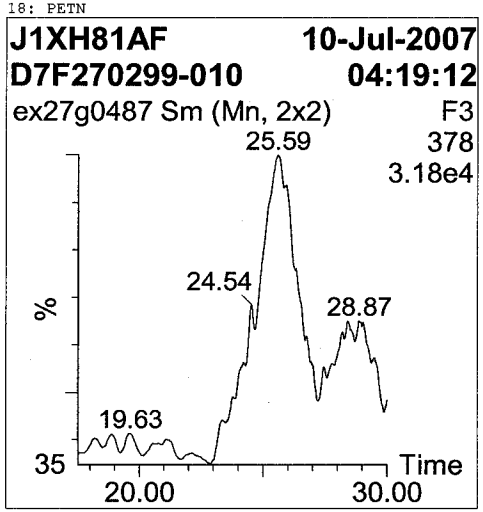
Name: ex27g0487
Text: D7F270299-010

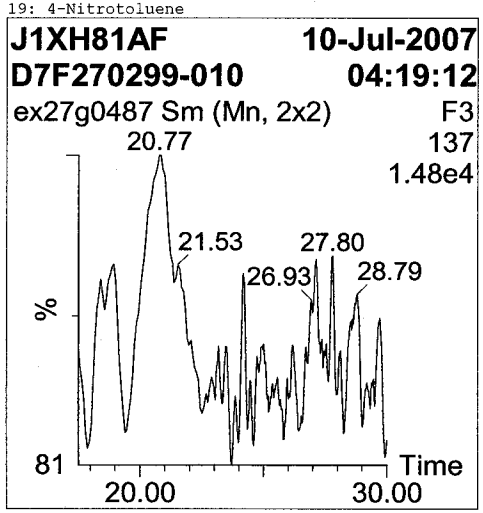
17: 2-Nitrotoluene



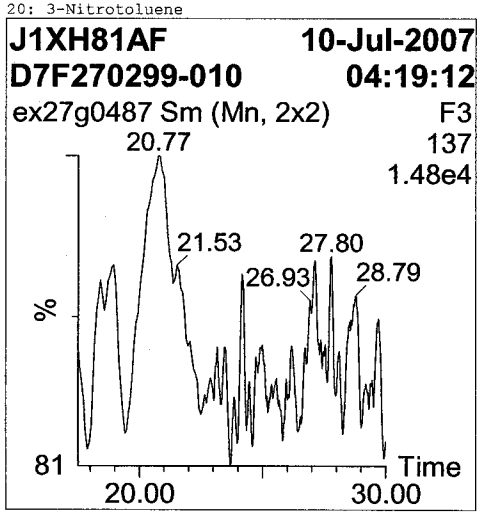
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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4	1,3,5-Trinitrobenzene	12.25	5967	2264512	0.003	bb	0.000			
5	Tetryl			2264512						
6	Dinitrobenzene-d4 (IS)	14.60	2264512		2264511..	bb	0.898	89.78		
7	1,3-Dinitrobenzene			2264512						
8	Nitrobenzene-d5	15.68	1357334	2264512	0.599	bb	1027.234	102.61		
9	Nitroglycerin			6466954						
10	Nitrobenzene			2264512						
11	2,4,6-Trinitrotoluene			2264512						
12	4-Amino-2,6-dinitrotoluene			2264512						
13	2-Amino-4,6-dinitrotoluene			2264512						
14	2,6-Dinitrotoluene			6235018						
15	2,4-Dinitrotoluene-d3	20.84	6235018		6235018..	ds	0.828	82.81		
16	2,4-Dinitrotoluene			6235018						
17	2-Nitrotoluene			6235018						
18	PETN			6235018						
19	4-Nitrotoluene			6235018						
20	3-Nitrotoluene			6235018						

Analyst: Andrew Meyer

Quantify Sample Report
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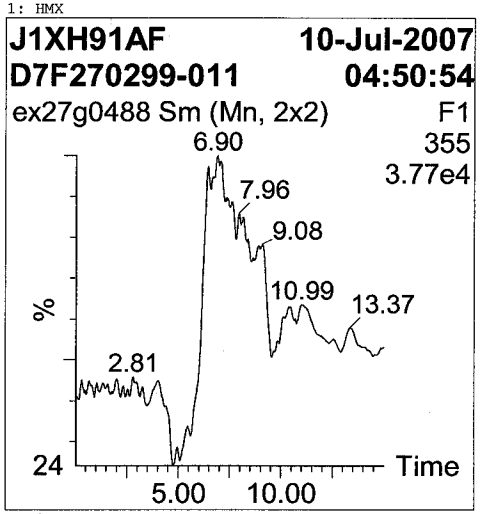
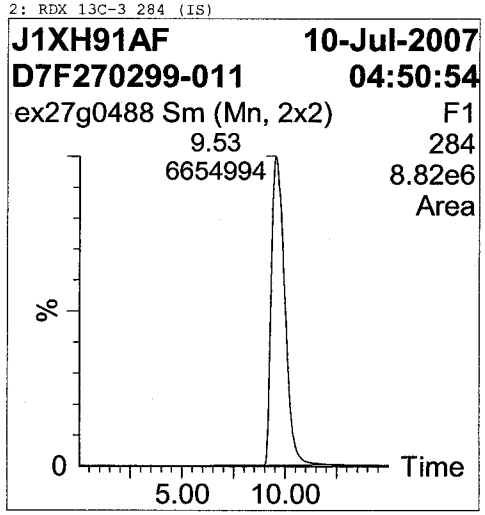
Name: ex27g0488
Text: D7F270299-011

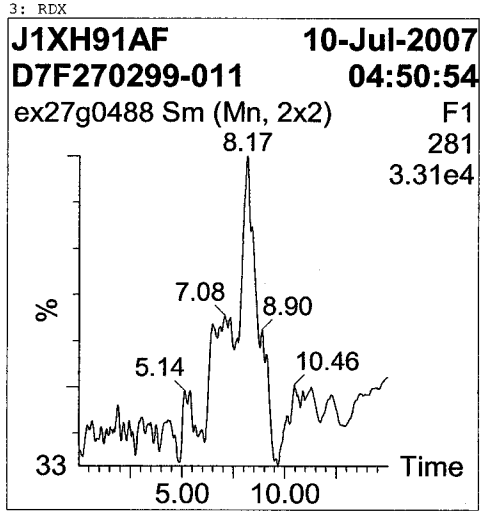
1: HMX



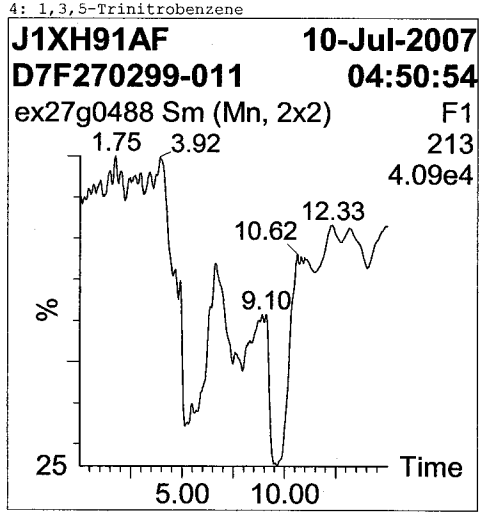
2: RDX 13C-3 284 (IS)



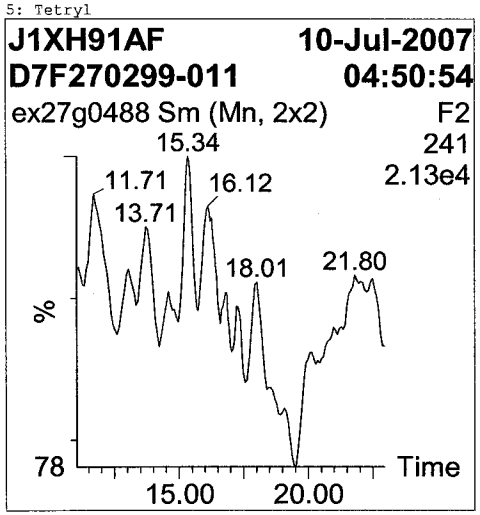
3: RDX



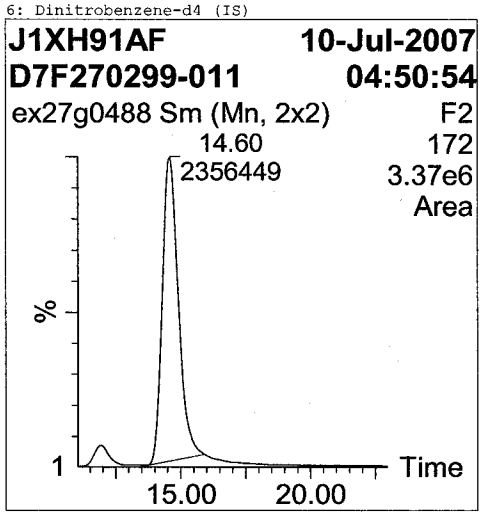
4: 1,3,5-Trinitrobenzene



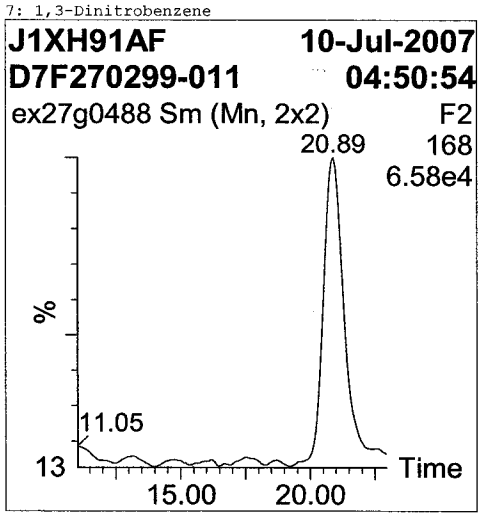
5: Tetryl



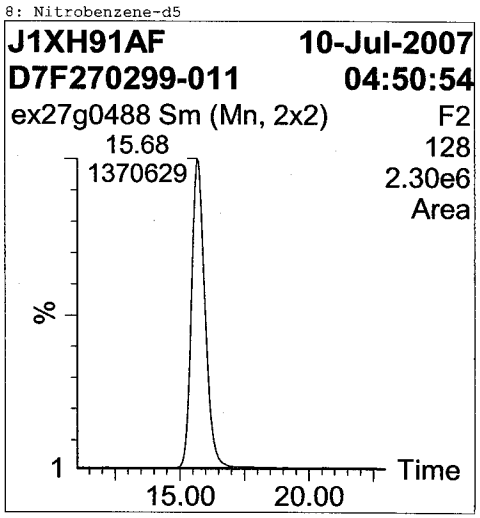
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5



Analyst: Andrew Meyer

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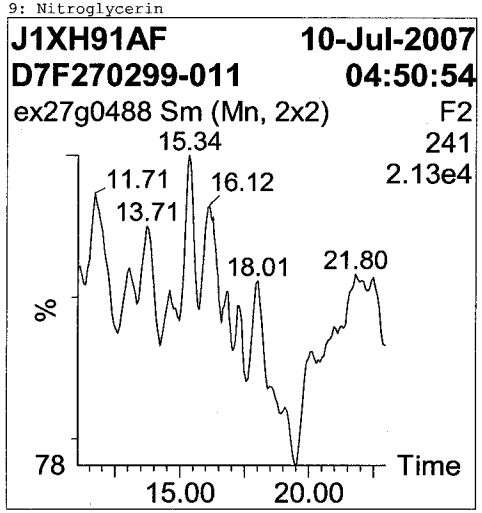
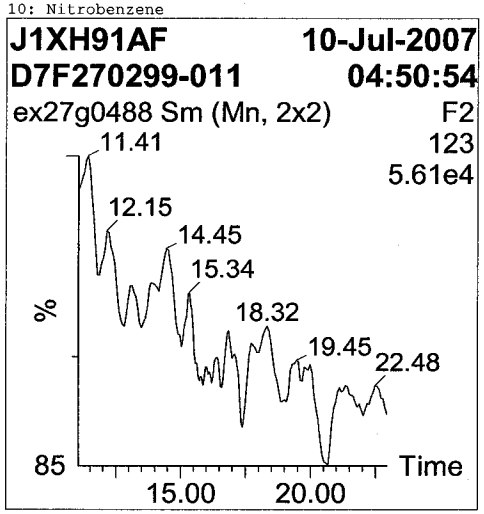
Name: ex27g0488
Text: D7F270299-011

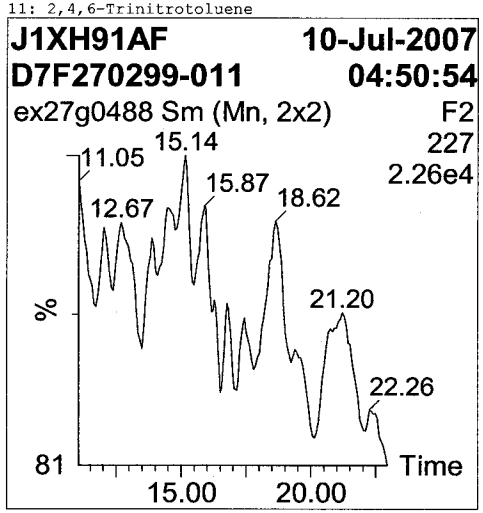
9: Nitroglycerin



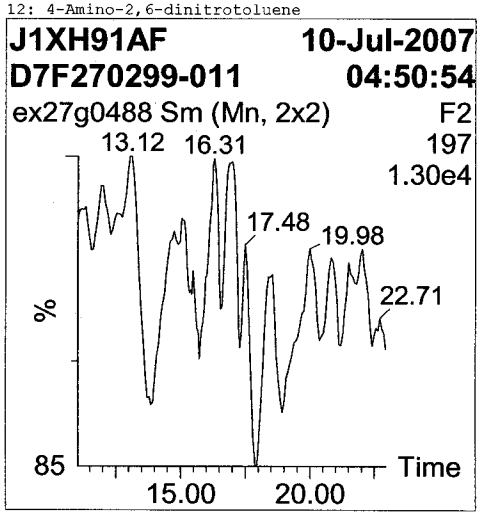
10: Nitrobenzene



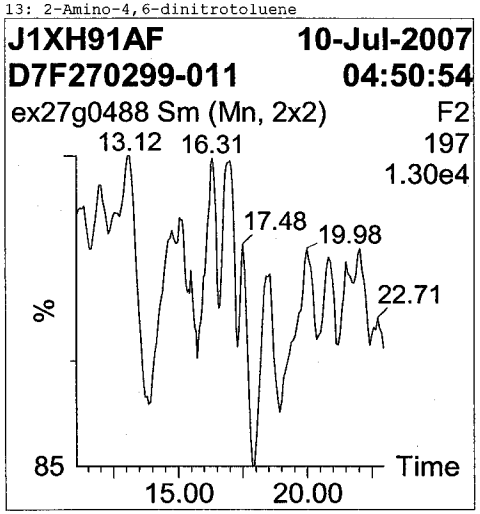
11: 2,4,6-Trinitrotoluene



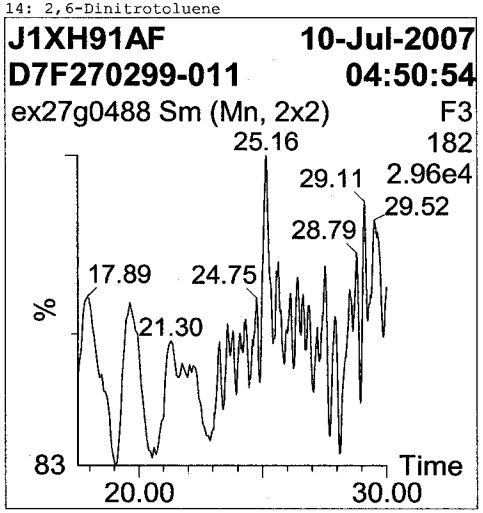
12: 4-Amino-2,6-dinitrotoluene



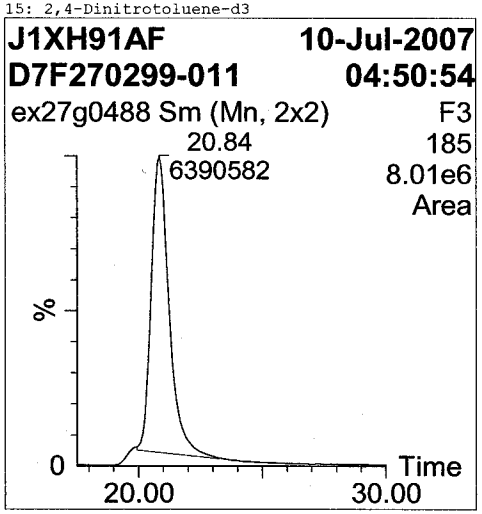
13: 2-Amino-4,6-dinitrotoluene



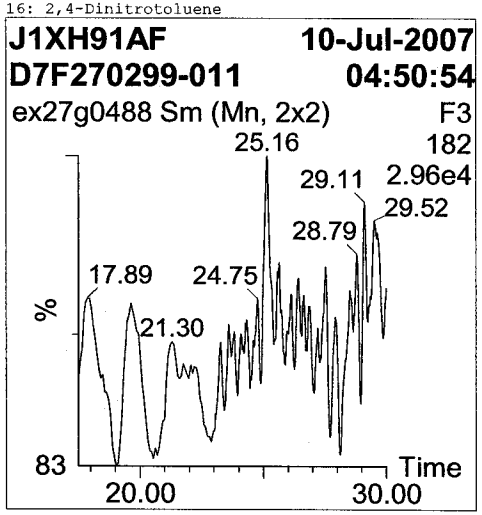
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3



16: 2,4-Dinitrotoluene



Analyst: Andrew Meyer

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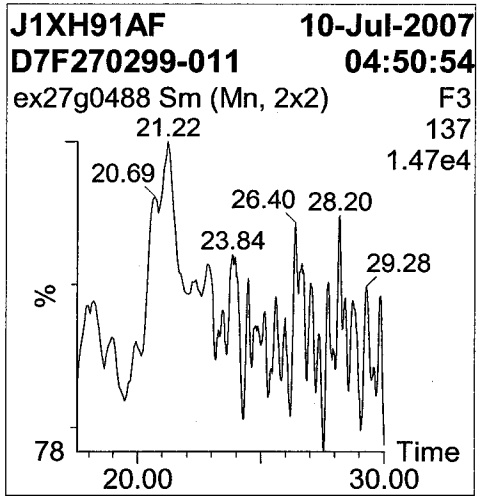
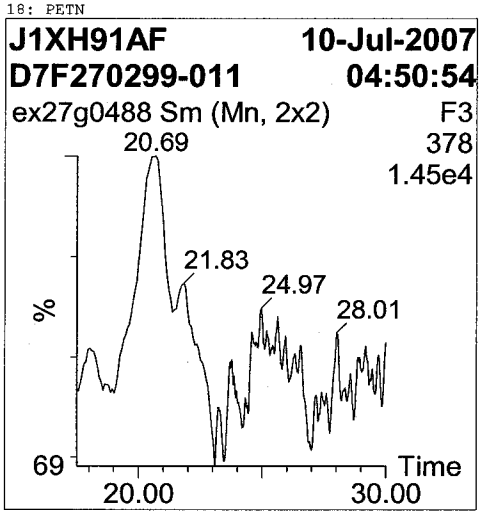
Name: ex27g0488
Text: D7F270299-011

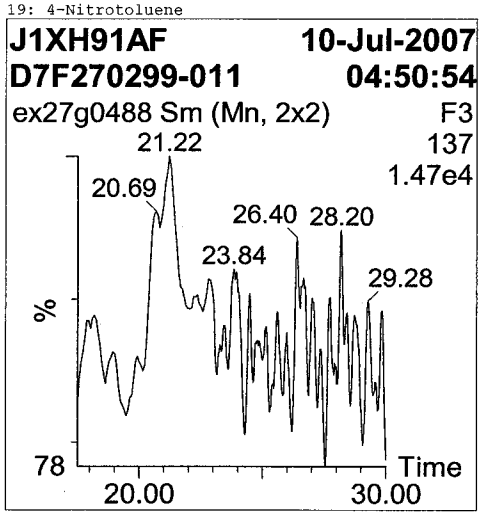
17: 2-Nitrotoluene



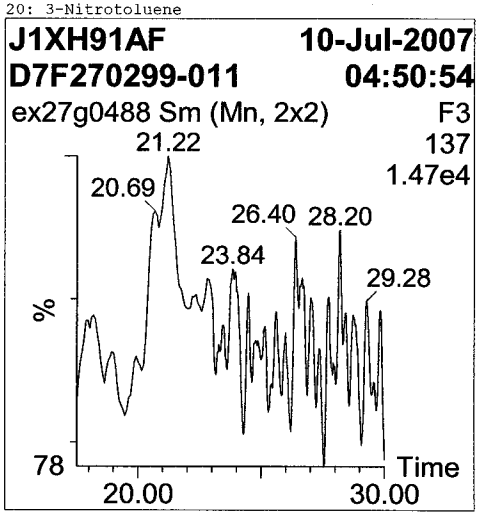
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



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3	RDX			6654994						
4	1,3,5-Trinitrobenzene			2356449						
5	Tetryl			2356449						
6	Dinitrobenzene-d4 (IS)	14.60	2356449		2356448..	bb	0.934	93.42		
7	1,3-Dinitrobenzene			2356449						
8	Nitrobenzene-d5	15.68	1370629	2356449	0.582	bb	992.476	98.55		
9	Nitroglycerin			6654994						
10	Nitrobenzene			2356449						
11	2,4,6-Trinitrotoluene			2356449						
12	4-Amino-2,6-dinitrotoluene			2356449						
13	2-Amino-4,6-dinitrotoluene			2356449						
14	2,6-Dinitrotoluene			6390582						
15	2,4-Dinitrotoluene-d3	20.84	6390582		6390581..	ds	0.849	84.88		
16	2,4-Dinitrotoluene			6390582						
17	2-Nitrotoluene			6390582						
18	PETN			6390582						
19	4-Nitrotoluene			6390582						
20	3-Nitrotoluene			6390582						

Analyst: Andrew Meyer

Metals

Supporting Documentation

Sample Sequence, Instrument Printouts

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID: DF270299

Client: Parsons

BATCHES: 7181055

Associated Samples: H11

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: 7/10/07

Metals Raw Data RoadMap

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	1	CA	J1XHL1AE	20070709	M6010_S	7181055	25A070907	025
D7F270299	1	FE	J1XHL1AF	20070709	M6010_S	7181055	25A070907	025
D7F270299	1	MG	J1XHL1AG	20070709	M6010_S	7181055	25A070907	025
D7F270299	1	KX	J1XHL1AH	20070709	M6010_S	7181055	25A070907	025
D7F270299	1	NA	J1XHL1AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	1	TI	J1XHL1A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	1	SR	J1XHL1A8	20070709	M6010_S	7181055	25A070907	025
D7F270299	1	AL	J1XHL1AD	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	NA	J1XHR1AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	TI	J1XHR1A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	KX	J1XHR1AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	FE	J1XHR1AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	AL	J1XHR1AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	CA	J1XHR1AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	MG	J1XHR1AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	2	SR	J1XHR1A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	FE	J1XHT1AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	SR	J1XHT1A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	TI	J1XHT1A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	NA	J1XHT1AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	MG	J1XHT1AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	CA	J1XHT1AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	AL	J1XHT1AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	3	KX	J1XHT1AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	4	NA	J1XHV1AP	20070709	M6010_S	7181055	25A070907	025

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	4	CA	J1XHV1AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	4	SR	J1XHV1A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	4	TI	J1XHV1A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	4	AL	J1XHV1AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	4	FE	J1XHV1AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	4	MG	J1XHV1AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	4	KX	J1XHV1AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	MG	J1XHX1AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	TI	J1XHX1A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	KX	J1XHX1AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	SR	J1XHX1A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	FE	J1XHX1AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	CA	J1XHX1AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	AL	J1XHX1AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	5	NA	J1XHX1AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	KX	J1XH01AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	TI	J1XH01A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	SR	J1XH01A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	NA	J1XH01AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	MG	J1XH01AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	FE	J1XH01AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	AL	J1XH01AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	6	CA	J1XH01AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	7	KX	J1XH11AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	7	AL	J1XH11AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	7	CA	J1XH11AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	7	MG	J1XH11AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	KX	J1XH11C5	20070709	M6010_S	7181055	25A070907	025

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	7	FE	J1XH11AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	SR	J1XH11D1	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	SR	J1XH11D0	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	TI	J1XH11DX	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	TI	J1XH11DW	20070709	M6010_S	7181055	25A070907	025
D7F270299	7	SR	J1XH11DT	20070709	M6010_S	7181055	25A070907	025
D7F270299	7	TI	J1XH11DR	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	NA	J1XH11C8	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	KX	J1XH11C6	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	MG	J1XH11C4	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	MG	J1XH11C3	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	FE	J1XH11C2	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	FE	J1XH11C1	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	CA	J1XH11C0	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	CA	J1XH11CX	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 D	AL	J1XH11CW	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	AL	J1XH11CV	20070709	M6010_S	7181055	25A070907	025
D7F270299	7	NA	J1XH11AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	7 S	NA	J1XH11C7	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	NA	J1XH41AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	KX	J1XH41AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	TI	J1XH41A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	FE	J1XH41AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	SR	J1XH41A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	CA	J1XH41AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	AL	J1XH41AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	8	MG	J1XH41AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	9	FE	J1XH61AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	9	SR	J1XH61A7	20070709	M6010_S	7181055	25A070907	025

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	9	TI	J1XH61A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	9	NA	J1XH61AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	9	MG	J1XH61AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	9	CA	J1XH61AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	9	AL	J1XH61AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	9	KX	J1XH61AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	NA	J1XH81AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	AL	J1XH81AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	TI	J1XH81A6	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	SR	J1XH81A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	KX	J1XH81AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	MG	J1XH81AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	CA	J1XH81AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	10	FE	J1XH81AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	SR	J1XH91A7	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	AL	J1XH91AJ	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	CA	J1XH91AK	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	FE	J1XH91AL	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	MG	J1XH91AM	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	KX	J1XH91AN	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	NA	J1XH91AP	20070709	M6010_S	7181055	25A070907	025
D7F270299	11	TI	J1XH91A6	20070709	M6010_S	7181055	25A070907	025

METALS
PREPARATION LOGS
ICP

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 6/30/07
Time: 10:11:52

BATCH NUMBER: **7181055**

PREP DATE: ~~6/30/07~~ 7/6/07
DUE DATE 7/13/07

COMP DATE: 6/30/07
INITIALS: CJ

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
D7F270299	J1XHL	MR	X 1.01 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHR	MR	X 1.00 g (7/5 TO)	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHT	MR	X 1.01 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHV	MR	X 0.99 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHX	MR	X 0.99 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH0	MR	X 0.99 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH1	MR	X 1.00 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
	J1XH1S		1.01 g	_____g	_____g	_____g
	J1XH1D		1.00 g	_____g	_____g	_____g
D7F270299	J1XH4	MR	X 0.99 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH6	MR	X 1.01 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH8	MR	X 1.00 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH9	MR	X 0.99 g	_____g	_____g	_____g
SOLID	**TO** DUE DATE:		7/13/07			
D7F300000	J15WPB	MR	X 1.0 g	_____g	_____g	_____g
SOLID	DUE DATE:		0/00/00			
	J15WPC		1.0 g	_____g	_____g	_____g

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 6/30/07
Time: 10:11:52

BATCH NUMBER: **7181055**

PREP DATE: ~~6/30/07~~ 7/6/07
DUE DATE 7/13/07

COMP DATE: 6/30/07
INITIALS: CG

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH	X
MS/MSD AND PDS ON BATCH	X
CURVE PREPPED FOR HG	NA
CORRECT SPIKES ADDED	X
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG	X

COMMENTS: _____

B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS

SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AL CA FE KX MG NA SR TI

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS					

SUPPLEMENTAL METALS PREP SHEET

(Used in conjunction with METALS PREP LOG/BATCH SUMMARY)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Denver

ICP PREP & ANALYSIS - SOILS

SOP: DEN-IP-0015

QC Batch #: 7181055

Prep Date 7/6/07	Prep By: CGG

BALANCE USED: **H31422**

STANDARDS USED

Standard ID	Verification #	Exp. Date	Spike Amount	Pipette ID
STLDEN-SPK-1	STD-2920-07	07/01/08	1000 uL	11
STLDEN-SPK-2A	STD-2921-07	07/01/08	1000 uL	11

REAGENTS USED

Reagent	Manufacturer	Lot #	Volume Used (mL)	Pipette ID
HNO_3	JT Baker	E01042	10	----------
HCl	JT Baker	C38032	10	----------
H_2O_2	Mallinckrodt	B39H10	4	----------

CONSUMABLES USED

All samples & QC samples filtered? [X] Yes [ ] No

Filter Manufacturer: Whatman Filter Size: 541 Filter Lot # : G1860782

Digestion Cup Manufacturer: Environmental Express Lot #: A603LP021

TEMPERATURE CYCLES

Thermometer ID: 25444 Block & Cup # : 3-25

Cycle	Start Time	Temperature (°C)	End Time	Temperature (°C)
1:1 HNO_3	700	95	715	95
conc HNO_3	730	↓	930	↓
H_2O_2	930		1130	
HCl	1130		1200	

Samples and QC revolumed to: 100ml

STL Denver

Standards Preparation Logbook Record

Jun-22-2007

Logbook: \\Arvp2038\StdsLog\metals.std

STD2920-07, PREP SPIKE 1A

Analyst: trudelll

Vendor: Inorganic Ventures Lot No.: A2-MEB237044 Vendor's Expiration Date: 07-01-2008
Solvent: 2% HNO3
Date Prep./Opened: 06-18-2007 Date Received: 06-18-2007
Date Expires(1): 06-18-2008 (1 Year)
Date Expires(2): 07-01-2008 (None)
Inventory ID: 626

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Ag	5.0000	5.0000
Al	200.0000	200.0000
As	100.0000	100.0000
Ba	200.0000	200.0000
Be	5.0000	5.0000
Ca	5,000.0000	5,000.0000
Cd	10.0000	10.0000
Co	50.0000	50.0000
Cr	20.0000	20.0000
Cu	25.0000	25.0000
Fe	100.0000	100.0000
K	5,000.0000	5,000.0000
Li	100.0000	100.0000
Mg	5,000.0000	5,000.0000
Mn	50.0000	50.0000
Na	5,000.0000	5,000.0000
Ni	50.0000	50.0000
P	1,000.0000	1,000.0000
Pb	50.0000	50.0000
Se	200.0000	200.0000
Sr	100.0000	100.0000
Th	100.0000	100.0000
Tl	200.0000	200.0000
U	200.0000	200.0000
V	50.0000	50.0000
Zn	50.0000	50.0000

STD2921-07, ICP prep spike #2 (Inorganic Ventures)

Analyst: trudelll

Vendor: Inorganic Ventures Lot No.: A2-MEB237043 Vendor's Expiration Date: 07-01-2008
Solvent: 2% HNO3
Date Prep./Opened: 06-18-2007 Date Received: 06-18-2007
Date Expires(1): 06-18-2008 (1 Year)
Date Expires(2): 07-01-2008 (None)
Inventory ID: 627

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
B	100.0000	100.0000
Mo	100.0000	100.0000
Sb	500.0000	500.0000
Si	1,000.0000	1,000.0000
Sn	200.0000	200.0000
Ti	100.0000	100.0000
Zr	500.0000	500.0000

METALS
SAMPLE DATA
ICP

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

STL Denver

Standards Preparation Logbook Record

Jul-10-2007

Logbook: \\Arvp2038\StdsLog\metals.std

STD1621-07, PDS TRUE VALUE

Analyst: TRUDELLL

Solvent: 5% HNO3/HCL

Volume (ml): 8.0000

Date Prep./Opened: 04-06-2007

Zr

Parent Std No.: STD0232-07, STLDEN-PDS-2A

Aliquot Amount (ml): 0.0800

Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
B	10.0000	0.1000
Mo	5.0000	0.0500
Sb	10.0000	0.1000
Si	500.0000	5.0000
SiO2	1,070.0000	10.7000
Sn	10.0000	0.1000
Ti	5.0000	0.0500
Zr	5.0000	0.0500

Parent Std No.: STD0448-07, Post Digestion Spike #1 (Inorganic Ventures)

Aliquot Amount (ml): 0.0800

Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Aluminum	100.0000	1.0000
Arsenic	20.0000	0.2000
Barium	10.0000	0.1000
Beryllium	5.0000	0.0500
Cadmium	5.0000	0.0500
Calcium	2,000.0000	20.0000
Chromium	5.0000	0.0500
Cobalt	5.0000	0.0500
Copper	5.0000	0.0500
Iron	100.0000	1.0000
Lead	10.0000	0.1000
Lithium	10.0000	0.1000
Magnesium	2,000.0000	20.0000
Manganese	5.0000	0.0500
Nickel	5.0000	0.0500
Phosphorus	200.0000	2.0000
Potassium	2,000.0000	20.0000
Selenium	20.0000	0.2000
Silver	5.0000	0.0500
Sodium	2,000.0000	20.0000
Strontium	5.0000	0.0500

Thallium	20.0000	0.2000
Thorium	20.0000	0.2000
Uranium	50.0000	0.5000
Vanadium	5.0000	0.0500
Zinc	20.0000	0.2000

STD2918-07, Linear Range Standard (LR) 016 Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: see reagent log Volume (ml): 500.0000
Date Prep./Opened: 06-16-2007
LR--- Reverified daily pipets: met 39, met 41

Parent Std No.: STD0171-07, 1000 As Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 As	1,000.0000	10.0000

Parent Std No.: STD0172-07, 1000 Zn (Inorganic Ventures) Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Zn	1,000.0000	10.0000

Parent Std No.: STD0173-07, 1000 Pb Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Pb	1,000.0000	10.0000

Parent Std No.: STD0941-07, 10000 Fe (Inorganic Ventures) Aliquot Amount (ml): 25.0000
Parent Date Expires(1): 03-01-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Fe	10,000.0000	500.0000

Parent Std No.: STD1939-07, 1000 mg/L Cadmium Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 05-01-2008 Parent Date Expires(2): 05-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Cd	1,000.0000	2.0000

Parent Std No.: STD2623-07, 1000 Ba Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 06-01-2008 Parent Date Expires(2): 06-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Ba	1,000.0000	10.0000

Parent Std No.: STD2624-07, 1000 Cu Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 06-01-2008 Parent Date Expires(2): 06-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Cu	1,000.0000	10.0000

Parent Std No.: STD3972-06, 1000 Ni Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 07-21-2007 Parent Date Expires(2): 08-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Ni	1,000.0000	10.0000

Parent Std No.: STD3973-06, 1000 V — Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 07-21-2007 Parent Date Expires(2): 08-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 V	1,000.0000	10.0000

Parent Std No.: STD5453-06, 1000 Cr — Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 10-01-2007 Parent Date Expires(2): 10-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Cr	1,000.0000	10.0000

Parent Std No.: STD6751-06, 1000 ppm Ag — Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 12-01-2007 Parent Date Expires(2): 12-01-2007

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
1000 ppm Ag	1,000.0000	2.0000

Parent Std No.: STD6805-06, 1000 Mn — Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 12-01-2007 Parent Date Expires(2): 12-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Mn	1,000.0000	10.0000

STD3119-07, ICSAB

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: see logbook Volume (ml): 250.0000
Date Prep./Opened: 06-29-2007
Date Expires(1): 09-18-2007 (1 Year)
Date Expires(2): 09-18-2007 (None)
pipets:met6, met14, met39

Parent Std No.: STD0096-07, Interference check solution AB — Aliquot Amount (ml): 2.5000
Parent Date Expires(1): 12-30-2007 Parent Date Expires(2): 12-30-2007

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Ag	100.0000	1.0000
Ba	50.0000	0.5000
Be	50.0000	0.5000
Cd	100.0000	1.0000
Co	50.0000	0.5000
Cr	50.0000	0.5000
Cu	50.0000	0.5000
Mn	50.0000	0.5000
Ni	100.0000	1.0000
Pb	100.0000	1.0000
V	50.0000	0.5000
Zn	100.0000	1.0000

Parent Std No.: STD1218-07, 10000 mg/L Silicon — Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 09-09-2008 Parent Date Expires(2): 09-09-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Si	10,000.0000	10.0000

Parent Std No.: STD1323-07, 1000 ppm Zr — Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 03-15-2008 Parent Date Expires(2): 03-15-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Zr	1,000.0000	1.0000

Parent Std No.: STD1324-07, 1000 PPM Th (Spex) — Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 03-15-2008 Parent Date Expires(2): 03-15-2008

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Th	1,000.0000	2.0000

Parent Std No.: STD1325-07, 1000 ppm U (Spex) — Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 03-15-2008 Parent Date Expires(2): 03-15-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
U	1,000.0000	2.0000

Parent Std No.: STD1759-07, IV ICSA — Aliquot Amount (ml): 25.0000
Parent Date Expires(1): 05-01-2008 Parent Date Expires(2): 05-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Al	5,000.0000	500.0000
Ca	5,000.0000	500.0000
Fe	2,000.0000	200.0000
Mg	5,000.0000	500.0000

Parent Std No.: STD5202-06, ICSAB #1 (HighPurity) — Aliquot Amount (ml): 2.5000
Parent Date Expires(1): 09-18-2007 Parent Date Expires(2): 09-18-2007

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
As	200.0000	2.0000
B	200.0000	2.0000
K	5,000.0000	50.0000
Li	100.0000	1.0000
Mo	100.0000	1.0000
Na	5,000.0000	50.0000
P	200.0000	2.0000
Sb	100.0000	1.0000
Se	500.0000	5.0000
Sr	100.0000	1.0000

Parent Std No.: STD5203-06, ICSAB STD #1B (High Purity) — Aliquot Amount (ml): 2.5000
Parent Date Expires(1): 09-18-2007 Parent Date Expires(2): 09-18-2007

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Tl	1,000.0000	10.0000

Parent Std No.: STD5204-06, ICSAB #2 (High Purity) — Aliquot Amount (ml): 2.5000
Parent Date Expires(1): 09-18-2007 Parent Date Expires(2): 09-18-2007

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Sn	1,000.0000	10.0000
Ti	100.0000	1.0000

STD3132-07, ICVH intrepid

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: see reagent log Volume (ml): 200.0000
Date Prep./Opened: 06-30-2007
Date Expires(1): 03-16-2008 (None)
Date Expires(2): 03-16-2008 (None)
pipet:met 41, pipet 14

Parent Std No.: STD1333-07, ICVH-R (High Purity) Aliquot Amount (ml): 2.0000
Parent Date Expires(1): 03-16-2008 Parent Date Expires(2): 03-16-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Al	4,000.0000	40.0000
Ca	4,000.0000	40.0000
Fe	8,000.0000	80.0000
Na	4,000.0000	40.0000
Th	300.0000	3.0000
U	500.0000	5.0000
Zn	250.0000	2.5000

STD3133-07, ICAL2a

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: See Log Volume (ml): 1,000.0000
Date Prep./Opened: 06-30-2007
Date Expires(1): 09-01-2007 (None)
Date Expires(2): 09-01-2007 (None)
ICAL2 Intrepid DUO (022) pipet:met-39

Parent Std No.: STD0941-07, 10000 Fe (Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 03-01-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Fe	10,000.0000	100.0000

Parent Std No.: STD2478-07, 1000 ppm U (Inorganic Ventures) Aliquot Amount (ml): 20.0000
Parent Date Expires(1): 06-01-2008 Parent Date Expires(2): 06-01-2008

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
U	1,000.0000	20.0000

Parent Std No.: STD4635-06, 1000 ppm Th (Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 09-01-2007 Parent Date Expires(2): 09-01-2007

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Th	1,000.0000	10.0000

Parent Std No.: STD4636-06, 10000 mg/L Aluminum (Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 09-01-2007 Parent Date Expires(2): 09-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Al	10,000.0000	100.0000

Parent Std No.: STD5450-06, 10000 mg/L Sodium Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 10-01-2007 Parent Date Expires(2): 10-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Na	10,000.0000	100.0000

STD3179-07, ICSA

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: see reagent log Volume (ml): 250.0000
Date Prep./Opened: 07-03-2007
Date Expires(1): 10-03-2007 (3 Months)
pipets: met 14, met 39,

Parent Std No.: STD1325-07, 1000 ppm U (Spex) Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 03-15-2008 Parent Date Expires(2): 03-15-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
U	1,000.0000	2.0000

Parent Std No.: STD1759-07, IV ICSA Aliquot Amount (ml): 25.0000
Parent Date Expires(1): 05-01-2008 Parent Date Expires(2): 05-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Al	5,000.0000	500.0000
Ca	5,000.0000	500.0000
Fe	2,000.0000	200.0000
Mg	5,000.0000	500.0000

STD3198-07, ICAL1A

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: SEE LOGBOOK Volume (ml): 500.0000
Date Prep./Opened: 07-06-2007
Date Expires(1): 09-01-2007 (None)
Date Expires(2): 09-01-2007 (None)
pipets: met 39, met 41

Parent Std No.: STD0171-07, 1000 As Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 As	1,000.0000	2.0000

Parent Std No.: STD0173-07, 1000 Pb Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Pb	1,000.0000	2.0000

Parent Std No.: STD0940-07, 1000 mg/L Antimony Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 03-01-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Sb	1,000.0000	2.0000

Parent Std No.: STD4638-06, STLDEN-STD-2 (Inorganic Ventures) Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 09-01-2007 Parent Date Expires(2): 09-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Mo	100.0000	1.0000
Si	1,000.0000	10.0000
Sn	200.0000	2.0000
Ti	100.0000	1.0000
Zr	100.0000	1.0000

Parent Std No.: STD4639-06, STLDEN-STD-3A(Inorganic Ventures) Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 09-01-2007 Parent Date Expires(2): 09-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Ag	100.0000	1.0000
Al	100.0000	1.0000
B	100.0000	1.0000
Ba	100.0000	1.0000
Be	100.0000	1.0000
Ca	1,000.0000	10.0000
Cd	100.0000	1.0000
Co	100.0000	1.0000
Cr	100.0000	1.0000
Cu	100.0000	1.0000
Fe	100.0000	1.0000
K	10,000.0000	100.0000
Li	200.0000	2.0000
Mg	4,000.0000	40.0000
Mn	100.0000	1.0000
Na	1,000.0000	10.0000
Ni	100.0000	1.0000
P	200.0000	2.0000
Sr	100.0000	1.0000
V	100.0000	1.0000
Zn	100.0000	1.0000

Parent Std No.: STD5449-06, 1000 Se Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 10-01-2007 Parent Date Expires(2): 10-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Se	1,000.0000	2.0000

Parent Std No.: STD5452-06, 1000 mg/L Thallium Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 10-01-2007 Parent Date Expires(2): 10-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Tl	1,000.0000	2.0000

STD3220-07, ICVL intrepid Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: see reagent log Volume (ml): 200.0000
Date Prep./Opened: 07-06-2007
Date Expires(1): 01-05-2008 (None)
Date Expires(2): 01-05-2008 (None)

Parent Std No.: STD0174-07, ICVL solution A (HIGH PURITY) DUAL Aliquot Amount (ml): 2.0000
Parent Date Expires(1): 01-05-2008 Parent Date Expires(2): 01-05-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Al	25.0000	0.2500
As	25.0000	0.2500
B	25.0000	0.2500
Ba	25.0000	0.2500
Be	25.0000	0.2500
Ca	200.0000	2.0000
Cd	25.0000	0.2500
Co	25.0000	0.2500
Cr	25.0000	0.2500
Cu	25.0000	0.2500
Fe	25.0000	0.2500
K	2,000.0000	20.0000
Li	25.0000	0.2500
Mg	1,000.0000	10.0000
Mn	25.0000	0.2500
Na	200.0000	2.0000
Ni	25.0000	0.2500
Pb	25.0000	0.2500
Se	50.0000	0.5000
Sr	25.0000	0.2500
Tl	50.0000	0.5000
V	25.0000	0.2500
Zn	25.0000	0.2500

Parent Std No.: STD0175-07, ICVL SOL B (HIGH PURITY) Aliquot Amount (ml): 2.0000
Parent Date Expires(1): 01-05-2008 Parent Date Expires(2): 01-05-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Ag	25.0000	0.2500
Mo	25.0000	0.2500
P	200.0000	2.0000
Sb	25.0000	0.2500
Si	200.0000	2.0000
Sn	50.0000	0.5000
Ti	25.0000	0.2500
Zr	25.0000	0.2500

STD3237-07, CCVL1 (DUAL LOW CCV)

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: see log Volume (ml): 500.0000
Date Prep./Opened: 07-07-2007

Parent Std No.: STD3198-07, ICAL1A Aliquot Amount (ml): 250.0000
Parent Date Expires(1): 09-01-2007 Parent Date Expires(2): 09-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 As	2.0000	1.0000
1000 Pb	2.0000	1.0000
Sb	2.0000	1.0000
Mo	1.0000	0.5000
Si	10.0000	5.0000
Sn	2.0000	1.0000
Ti	1.0000	0.5000
Zr	1.0000	0.5000
Ag	1.0000	0.5000
Al	1.0000	0.5000
B	1.0000	0.5000
Ba	1.0000	0.5000
Be	1.0000	0.5000
Ca	10.0000	5.0000
Cd	1.0000	0.5000
Co	1.0000	0.5000
Cr	1.0000	0.5000
Cu	1.0000	0.5000
Fe	1.0000	0.5000
K	100.0000	50.0000
Li	2.0000	1.0000
Mg	40.0000	20.0000
Mn	1.0000	0.5000
Na	10.0000	5.0000
Ni	1.0000	0.5000
P	2.0000	1.0000
Sr	1.0000	0.5000
V	1.0000	0.5000
Zn	1.0000	0.5000
Se	2.0000	1.0000
Tl	2.0000	1.0000

STD3240-07, ICAL2a

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: See Log Volume (ml): 1,000.0000
Date Prep./Opened: 07-07-2007
ICAL2 Intrepid DUO (022) pipet:met-39

Parent Std No.: STD0939-07, 10000 mg/L Aluminum (Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 03-01-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Al	10,000.0000	100.0000

Parent Std No.: STD0941-07, 10000 Fe (Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 03-01-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Fe	10,000.0000	100.0000

Parent Std No.: STD2478-07, 1000 ppm U (Inorganic Ventures) Aliquot Amount (ml): 20.0000
Parent Date Expires(1): 06-01-2008 Parent Date Expires(2): 06-01-2008

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
U	1,000.0000	20.0000

Parent Std No.: STD4635-06, 1000 ppm Th (Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 09-01-2007 Parent Date Expires(2): 09-01-2007

Component	Initial Conc (ug/ml)	Final Conc (mg/L)
Th	1,000.0000	10.0000

Parent Std No.: STD5450-06, 10000 mg/L Sodium Inorganic Ventures) Aliquot Amount (ml): 10.0000
Parent Date Expires(1): 10-01-2007 Parent Date Expires(2): 10-01-2007

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Na	10,000.0000	100.0000

STD3241-07, CCVH1 (HIGH CCV FOR 025) Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: see reagent log Volume (ml): 500.0000
Date Prep./Opened: 07-07-2007

Parent Std No.: STD3240-07, ICAL2a Aliquot Amount (ml): 250.0000

Component	Initial Conc (mg/L)	Final Conc (mg/L)
U	20.0000	10.0000
Th	10.0000	5.0000
Na	100.0000	50.0000
Al	100.0000	50.0000
Fe	100.0000	50.0000

STD3243-07, RLSTD3 Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: SEE REAGENT Volume (ml): 100.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)
Date Expires(2): 03-01-2008 (None)

Parent Std No.: STD0942-07, STLDEN-RL-1A Aliquot Amount (ml): 0.1000
Parent Date Expires(1): 03-01-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
As	10.0000	0.0100

Pb	3.0000	0.0030
Sb	10.0000	0.0100
Se	10.0000	0.0100
Tl	10.0000	0.0100

Parent Std No.: STD2923-07, STLDEN-RL-2A Aliquot Amount (ml): 0.1000
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Mo	10.0000	0.0100
Si	500.0000	0.5000
SiO2	1,070.0000	1.0700
Sn	20.0000	0.0200
Ti	10.0000	0.0100
Zr	10.0000	0.0100

Parent Std No.: STD2924-07, STLDEN-RL-3A Aliquot Amount (ml): 0.1000
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Mg	200.0000	0.2000
Mn	3.0000	0.0030
Na	1,000.0000	1.0000
Ni	10.0000	0.0100
P	1,000.0000	1.0000
Sr	5.0000	0.0050
Th	10.0000	0.0100
U	60.0000	0.0600
V	10.0000	0.0100
Zn	10.0000	0.0100
Ag	10.0000	0.0100
Al	100.0000	0.1000
B	100.0000	0.1000
Ba	5.0000	0.0050
Be	1.0000	0.0010
Ca	200.0000	0.2000
Cd	5.0000	0.0050
Co	5.0000	0.0050
Cr	10.0000	0.0100
Cu	10.0000	0.0100
Fe	30.0000	0.0300
K	1,000.0000	1.0000
Li	10.0000	0.0100

STD3244-07, ALTCRI

Analyst: trudelll

Solvent: 5% HNO3/HCL Lot No.: SEE REAGENT Volume (ml): 100.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)
Date Expires(2): 03-01-2008 (None)

Parent Std No.: STD0942-07, STLDEN-RL-1A Aliquot Amount (ml): 0.2000
Parent Date Expires(1): 03-01-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
As	10.0000	0.0200
Pb	3.0000	0.0060
Sb	10.0000	0.0200
Se	10.0000	0.0200
Tl	10.0000	0.0200

Parent Std No.: STD2923-07, STLDEN-RL-2A Aliquot Amount (ml): 0.2000
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Mo	10.0000	0.0200
Si	500.0000	1.0000
SiO2	1,070.0000	2.1400
Sn	20.0000	0.0400
Ti	10.0000	0.0200
Zr	10.0000	0.0200

Parent Std No.: STD2924-07, STLDEN-RL-3A Aliquot Amount (ml): 0.2000
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Ag	10.0000	0.0200
Al	100.0000	0.2000
B	100.0000	0.2000
Ba	5.0000	0.0100
Be	1.0000	0.0020
Ca	200.0000	0.4000
Cd	5.0000	0.0100
Co	5.0000	0.0100
Cr	10.0000	0.0200
Cu	10.0000	0.0200
Fe	30.0000	0.0600
K	1,000.0000	2.0000
Li	10.0000	0.0200
Mg	200.0000	0.4000
Mn	3.0000	0.0060
Na	1,000.0000	2.0000
Ni	10.0000	0.0200
P	1,000.0000	2.0000
Sr	5.0000	0.0100
Th	10.0000	0.0200
U	60.0000	0.1200
V	10.0000	0.0200
Zn	10.0000	0.0200

Reviewed By: 25A070907

STL Denver

RUN SUMMARY

Method: 6010 (ICP Metals) 6500_025 (025) Reported: 07/10/07 08:50:31

File ID: **25A070907** **Analyst: lmt**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	STD1-BLANK				1.0	07/09/07 08:20		☐
2	ICAL1A				1.0	07/09/07 08:24		☐
3	ICAL2A				1.0	07/09/07 08:29		☐
4	ICAL1A				1.0	07/09/07 08:33		☐
5	ICAL2A				1.0	07/09/07 08:38		☐
6	ICVH				1.0	07/09/07 08:42		☐
7	~~ICVL~~				~~1.0~~	~~07/09/07 08:47~~		☐
8	ICVL				1.0	07/09/07 08:52		☐
9	ICVL				1.0	07/09/07 08:55		☐
10	CCVH1				1.0	07/09/07 08:59		☐
11	CCVL1				1.0	07/09/07 09:03		☐
12	ICB				1.0	07/09/07 09:08		☐
13	RLSTD3				1.0	07/09/07 09:12	-Sa	☐
14	ICSA				1.0	07/09/07 09:17		☐
15	ICSAB				1.0	07/09/07 09:22		☐
16	LR				1.0	07/09/07 09:26		☐
17	~~ALTCRI~~				~~1.0~~	~~07/09/07 09:35~~	See rev	☐
18	ALTCRI				1.0	07/09/07 09:39	DUD Fe, Zn	☐
19	CCVH1				1.0	07/09/07 09:46		☐
20	CCVL1				1.0	07/09/07 09:51		☐
21	CCVL1				1.0	07/09/07 10:37		☐
22	CCB				1.0	07/09/07 10:41		☐
23	J2EL4B	D7G060000	7187241	05	1.0	07/09/07 10:46		☐
24	J2EL4C	D7G060000	7187241	05	1.0	07/09/07 10:50		☐
25	J2C86	D7G050190-2	7187241	05	1.0	07/09/07 10:55		☐
26	J2C86P5	D7G050190	7187241		5.0	07/09/07 10:59		☐
27	J2C86S	D7G050190-2	7187241	05	1.0	07/09/07 11:04		☐
28	J2C86D	D7G050190-2	7187241	05	1.0	07/09/07 11:09		☐
29	REV OS				1.0	07/09/07 11:13		☐
30	INSIDE				1.0	07/09/07 11:17	Matt's samples	☐
31	OUTSIDE				1.0	07/09/07 11:21		☐
32	CCVH1				1.0	07/09/07 11:25		☐
33	CCVL1				1.0	07/09/07 11:30		☐
34	CCB				1.0	07/09/07 11:34		☐
35	J1546B	D7F300000	7181143	LR	1.0	07/09/07 11:39		☐
36	J1546C	D7F300000	7181143	LR	1.0	07/09/07 11:43		☐
37	J1XPK	D7F270324-1	7181143	LR	1.0	07/09/07 11:48		☐
38	J1XPKP5	D7F270324	7181143		5.0	07/09/07 11:52		☐
39	J1XPKS	D7F270324-1	7181143	LR	1.0	07/09/07 11:57		☐
40	J1XPKD	D7F270324-1	7181143	LR	1.0	07/09/07 12:02		☐
41	J1XP0	D7F270324-2	7181143	LR	1.0	07/09/07 12:06		☐
42	J1XP2	D7F270324-3	7181143	LR	1.0	07/09/07 12:11		☐
43	J1XP4	D7F270324-4	7181143	LR	1.0	07/09/07 12:15		☐
44	CCVH1				1.0	07/09/07 12:20		☐
45	CCVL1				1.0	07/09/07 12:25		☐
46	CCB				1.0	07/09/07 12:29		☐

STL Denver RUN SUMMARY

Method: 6010 (ICP Metals) 6500_025 (025) Reported: 07/10/07 08:50:31

File ID: **25A070907** **Analyst: lmt**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
47	J1XQA	D7F270324-5	7181143	LR	1.0	07/09/07 12:34		☐
48	J1XQD	D7F270324-6	7181143	LR	1.0	07/09/07 12:38		☐
49	J1XQF	D7F270324-7	7181143	LR	1.0	07/09/07 12:43		☐
50	J1XQL	D7F270324-8	7181143	LR	1.0	07/09/07 12:48		☐
51	J1XQM	D7F270324-9	7181143	LR	1.0	07/09/07 12:52		☐
52	J1MWKF	D7F220417-1	7177586	00	1.0	07/09/07 12:58		☐
53	D7F220147-1				1.0	07/09/07 13:02	DR	☐
54	D7F220147-1				1.0	07/09/07 13:07		☐
55	CCVH1				1.0	07/09/07 13:12		☐
56	CCVL1				1.0	07/09/07 13:16		☐
57	CCB				1.0	07/09/07 13:21		☐
58	J1MWK	D7F220417-1	7175090	05	1.0	07/09/07 13:26		☐
59	J15WPB	D7F300000	7181055	46	1.0	07/09/07 13:30		☐
60	J15WPC	D7F300000	7181055	46	1.0	07/09/07 13:35		☐
61	J1XHL	D7F270299-1	7181055	46	1.0	07/09/07 13:39		☐
62	J1XHR	D7F270299-2	7181055	46	1.0	07/09/07 13:44		☐
63	J1XHT	D7F270299-3	7181055	46	1.0	07/09/07 13:48		☐
64	J1XHV	D7F270299-4	7181055	46	1.0	07/09/07 13:53		☐
65	J1XHX	D7F270299-5	7181055	46	1.0	07/09/07 13:58		☐
66	J1XH0	D7F270299-6	7181055	46	1.0	07/09/07 14:02		☐
67	CCVH1				1.0	07/09/07 14:07		☐
68	CCVL1				1.0	07/09/07 14:11		☐
69	CCB				1.0	07/09/07 14:16		☐
70	J1XH1	D7F270299-7	7181055	46	1.0	07/09/07 14:20		☐
71	J1XH1P5	D7F270299	7181055		5.0	07/09/07 14:25		☐
72	J1XH1S	D7F270299-7	7181055	46	1.0	07/09/07 14:30		☐
73	J1XH1D	D7F270299-7	7181055	46	1.0	07/09/07 14:34		☐
74	J1XH1Z	D7F270299-7	7181055		1.0	07/09/07 14:39		☐
75	J1XH4	D7F270299-8	7181055	46	1.0	07/09/07 14:43		☐
76	J1XH6	D7F270299-9	7181055	46	1.0	07/09/07 14:48		☐
77	J1XH8	D7F270299-10	7181055	46	1.0	07/09/07 14:52		☐
78	J1XH9	D7F270299-11	7181055	46	1.0	07/09/07 14:57		☐
79	CCVH1				1.0	07/09/07 15:02		☐
80	CCVL1				1.0	07/09/07 15:06		☐
81	CCB				1.0	07/09/07 15:11		☐
82	J158WB	D7F300000	7181174	05	1.0	07/09/07 15:15	-40 NC	☐
83	J158WC	D7F300000	7181174	05	1.0	07/09/07 15:20		☐
84	J1WAW	D7F270181-1	7181174	05	1.0	07/09/07 15:25	-DIL 10x NC	☐
85	~~J1WCM~~	~~D7F270181-2~~	~~7181174~~	~~05~~	~~1.0~~	~~07/09/07 15:30~~	ISCANT	☐
86	~~J1WCN~~	~~D7F270181-3~~	~~7181174~~	~~05~~	~~1.0~~	~~07/09/07 15:35~~	" "	☐
87	J1WCR	D7F270181-4	7181174	05	1.0	07/09/07 15:40		☐
88	J110F	D7F280272-1	7181174	05	1.0	07/09/07 15:45		☐
89	CCVH1				1.0	07/09/07 15:50		☐
90	CCVL1				1.0	07/09/07 15:54		☐
91	CCB				1.0	07/09/07 15:59	-NCM NC	☐
92	J110J	D7F280272-2	7181174	05	1.0	07/09/07 16:03	- 10x for Mg	☐

STL Denver

RUN SUMMARY

Method: 6010 (ICP Metals) 6500_025 (025) Reported: 07/10/07 08:50:31

File ID: **25A070907** **Analyst: lmt**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
93	J110JP5	D7F280272	7181174		5.0	07/09/07 16:08	See log for Mg	☐
94	J110JS	D7F280272-2	7181174	05	1.0	07/09/07 16:13		☐
95	J110JD	D7F280272-2	7181174	05	1.0	07/09/07 16:18		☐
96	J110JZ	D7F280272-2	7181174		1.0	07/09/07 16:23		☐
97	J110N	D7F280272-3	7181174	05	1.0	07/09/07 16:27		☐
98	J110Q	D7F280272-4	7181174	05	1.0	07/09/07 16:32		☐
99	J110R	D7F280272-5	7181174	05	1.0	07/09/07 16:37		☐
100	J110T	D7F280272-6	7181174	05	1.0	07/09/07 16:42		☐
101	CCVH1				1.0	07/09/07 16:47		☐
102	CCVL1				1.0	07/09/07 16:51		☐
103	CCB				1.0	07/09/07 16:56	Na UCM	☐
104	J1C81B	D7F200000	7171233	05	1.0	07/09/07 17:01		☐
105	J1C81C	D7F200000	7171233	05	1.0	07/09/07 17:05		☐
106	J1C81L	D7F200000	7171233	05	1.0	07/09/07 17:10		☐
107	J0R84	D7F120251-1	7171233	05	1.0	07/09/07 17:14		☐
108	J0R84P5	D7F120251	7171233		5.0	07/09/07 17:19		☐
109	J0R84S	D7F120251-1	7171233	05	1.0	07/09/07 17:24		☐
110	J0R84D	D7F120251-1	7171233	05	1.0	07/09/07 17:28		☐
111	J0R9W	D7F120251-2	7171233	05	1.0	07/09/07 17:33		☐
112	J0WFQ	D7F130193-1	7171233	05	1.0	07/09/07 17:37		☐
113	CCVH1				1.0	07/09/07 17:42		☐
114	CCVL1				1.0	07/09/07 17:47		☐
115	CCB				1.0	07/09/07 17:51		☐
116	J0WHF	D7F130193-2	7171233	05	1.0	07/09/07 17:56		☐
117	J0WHG	D7F130193-3	7171233	05	1.0	07/09/07 18:01		☐
118	J0WHH	D7F130193-4	7171233	05	1.0	07/09/07 18:05		☐
119	J0WHJ	D7F130193-5	7171233	05	1.0	07/09/07 18:10		☐
120	J02MW	D7F140344-1	7171233	05	1.0	07/09/07 18:15		☐
121	J02M7	D7F140344-2	7171233	05	1.0	07/09/07 18:19		☐
122	CCVH1				1.0	07/09/07 18:24		☐
123	CCVL1				1.0	07/09/07 18:29		☐
124	CCB				1.0	07/09/07 18:33		☐
125	J02M8	D7F140344-3	7171233	05	1.0	07/09/07 18:38		☐
126	J04P3	D7F150219-1	7171233	05	1.0	07/09/07 18:42		☐
127	J04QQ	D7F150219-2	7171233	05	1.0	07/09/07 18:47		☐
128	J04Q3	D7F150219-3	7171233	05	1.0	07/09/07 18:52		☐
129	J04Q5	D7F150219-4	7171233	05	1.0	07/09/07 18:56		☐
130	J07F6	D7F160132-1	7171233	05	1.0	07/09/07 19:01		☐
131	CCVH1				1.0	07/09/07 19:06		☐
132	CCVL1				1.0	07/09/07 19:10		☐
133	CCB				1.0	07/09/07 19:15		☐
134	J1LL2	D7F220289-10	7181048	46	1.0	07/09/07 19:20		☐
135	J1LL7	D7F220289-11	7181048	46	1.0	07/09/07 19:24		☐
136	J1LL8	D7F220289-12	7181048	46	1.0	07/09/07 19:29		☐
137	J1LME	D7F220289-13	7181048	46	1.0	07/09/07 19:33		☐
138	J1LM1	D7F220289-14	7181048	46	1.0	07/09/07 19:38		☐

STL Denver

RUN SUMMARY

Method: 6010 (ICP Metals) 6500_025 (025) Reported: 07/10/07 08:50:31

File ID: **25A070907** **Analyst: lmt**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
139	J1LM6	D7F220289-15	7181048	46	1.0	07/09/07 19:42		☐
140	J1LNF	D7F220289-16	7181048	46	1.0	07/09/07 19:47		☐
141	CCVH1				1.0	07/09/07 19:51		☐
142	CCVL1				1.0	07/09/07 19:56		☐
143	CCB				1.0	07/09/07 20:01		☐
144	J2EP8B	D7G060000	7187270	05	1.0	07/09/07 20:05		☐
145	J2EP8C	D7G060000	7187270	05	1.0	07/09/07 20:10		☐
146	J2ENE	D7G060133-1	7187270	05	1.0	07/09/07 20:14		☐
147	J2EN4	D7G060139-1	7187270	05	1.0	07/09/07 20:19		☐
148	J2EN7	D7G060139-2	7187270	05	1.0	07/09/07 20:24		☐
149	J2EN8	D7G060139-3	7187270	05	1.0	07/09/07 20:29		☐
150	J2EN9	D7G060139-4	7187270	05	1.0	07/09/07 20:34		☐
151	J2EPC	D7G060139-5	7187270	05	1.0	07/09/07 20:38		☐
152	CCVH1				1.0	07/09/07 20:43		☐
153	CCVL1				1.0	07/09/07 20:48		☐
154	CCB				1.0	07/09/07 20:52		☐
155	J2EPD	D7G060139-6	7187270	05	1.0	07/09/07 20:57		☐
156	J2EPE	D7G060139-7	7187270	05	1.0	07/09/07 21:02		☐
157	J2EPF	D7G060139-8	7187270	05	1.0	07/09/07 21:06		☐
158	J2EPG	D7G060139-9	7187270	05	1.0	07/09/07 21:11		☐
159	J2EPK	D7G060139-10	7187270	05	1.0	07/09/07 21:16		☐
160	J2EPH	D7G060140-1	7187270	05	1.0	07/09/07 21:21		☐
161	J2EPHP5	D7G060140	7187270		5.0	07/09/07 21:26		☐
162	J2EPHS	D7G060140-1	7187270	05	1.0	07/09/07 21:30		☐
163	J2EPHD	D7G060140-1	7187270	05	1.0	07/09/07 21:35		☐
164	CCVH1				1.0	07/09/07 21:39		☐
165	CCVL1				1.0	07/09/07 21:44		☐
166	CCB				1.0	07/09/07 21:48		☐
167	J2EPMB	D7G060000	7187264	05	1.0	07/09/07 21:53	ID changed	☐
168	J2EPMC	D7G060000	7187264	05	1.0	07/09/07 21:58		☐
169	J16DD	D7F300137-1	7187264	05	1.0	07/09/07 22:02		☐
170	J16DDP5	D7F300137	7187264		5.0	07/09/07 22:07		☐
171	J16DDS	D7F300137-1	7187264	05	1.0	07/09/07 22:12		☐
172	J16DDD	D7F300137-1	7187264	05	1.0	07/09/07 22:17		☐
173	CCVH1				1.0	07/09/07 22:21		☐
174	CCVL1				1.0	07/09/07 22:26	-LCH PC-	☐
175	CCB				1.0	07/09/07 22:30		☐
176	J16DN	D7F300137-3	7187264	05	1.0	07/09/07 22:35		☐
177	J16DR	D7F300137-4	7187264	05	1.0	07/09/07 22:40		☐
178	J16DV	D7F300137-5	7187264	05	1.0	07/09/07 22:45		☐
179	J16DX	D7F300137-6	7187264	05	1.0	07/09/07 22:50		☐
180	J16D0	D7F300137-7	7187264	05	1.0	07/09/07 22:54		☐
181	J16D1	D7F300137-8	7187264	05	1.0	07/09/07 22:59		☐
182	CCVH1				1.0	07/09/07 23:04		☐
183	CCVL1				1.0	07/09/07 23:09		☐
184	CCB				1.0	07/09/07 23:13		☐

STL Denver

RUN SUMMARY

Method: 6010 (ICP Metals) 6500_025 (025) Reported: 07/10/07 08:50:31

File ID: **25A070907** **Analyst: lmt**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
185	J15WFB	D7F300000	7181049	46	1.0	07/09/07 23:18		☐
186	J15WFC	D7F300000	7181049	46	1.0	07/09/07 23:23		☐
187	J1NRT	D7F230164-1	7181049	46	1.0	07/09/07 23:27		☐
188	J1NRTP5	D7F230164	7181049		5.0	07/09/07 23:32		☐
189	J1NRTS	D7F230164-1	7181049	46	1.0	07/09/07 23:36		☐
190	J1NRTD	D7F230164-1	7181049	46	1.0	07/09/07 23:41		☐
191	J1NRTZ	D7F230164-1	7181049		1.0	07/09/07 23:45		☐
192	J1NTD	D7F230164-2	7181049	46	1.0	07/09/07 23:50		☐
193	J1NTJ	D7F230164-3	7181049	46	1.0	07/09/07 23:55		☐
194	CCVH1				1.0	07/09/07 23:59		☐
195	CCVL1				1.0	07/10/07 00:04		☐
196	CCB				1.0	07/10/07 00:09		☐
197	J1NTT				1.0	07/10/07 00:13	-ID Changed	☐
198	J1NTV	D7F230164-5	7181049	46	1.0	07/10/07 00:18		☐
199	J1NTW	D7F230164-6	7181049	46	1.0	07/10/07 00:22		☐
200	J1RPW	D7F260172-1	7181049	46	1.0	07/10/07 00:27		☐
201	J1RP7	D7F260172-2	7181049	46	1.0	07/10/07 00:32		☐
202	J1RP9	D7F260172-3	7181049	46	1.0	07/10/07 00:36		☐
203	J1RQK	D7F260172-4	7181049	46	1.0	07/10/07 00:41		☐
204	J1RQ7	D7F260172-5	7181049	46	1.0	07/10/07 00:46		☐
205	CCVH1				1.0	07/10/07 00:50		☐
206	CCVL1				1.0	07/10/07 00:55		☐
207	CCB				1.0	07/10/07 01:00		☐
208	J1RRA	D7F260172-6	7181049	46	1.0	07/10/07 01:04		☐
209	J1RRF	D7F260172-7	7181049	46	1.0	07/10/07 01:09		☐
210	J1RRG	D7F260172-8	7181049	46	1.0	07/10/07 01:13		☐
211	J1RRK	D7F260172-9	7181049	46	1.0	07/10/07 01:18		☐
212	J1RRM	D7F260172-10	7181049	46	1.0	07/10/07 01:23		☐
213	J1RRN	D7F260172-11	7181049	46	1.0	07/10/07 01:27		☐
214	J1RRQ	D7F260172-12	7181049	46	1.0	07/10/07 01:32		☐
215	J1RRT	D7F260172-13	7181049	46	1.0	07/10/07 01:37		☐
216	J1RR1	D7F260172-14	7181049	46	1.0	07/10/07 01:41		☐
217	CCVH1				1.0	07/10/07 01:46		☐
218	CCVL1				1.0	07/10/07 01:51		☐
219	CCB				1.0	07/10/07 01:55		☐
220	J15WHB	D7F300000	7181050	46	1.0	07/10/07 02:00		☐
221	J15WHC	D7F300000	7181050	46	1.0	07/10/07 02:05		☐
222	J1RR8	D7F260172-15	7181050	46	1.0	07/10/07 02:09		☐
223	J1RTC	D7F260172-16	7181050	46	1.0	07/10/07 02:14		☐
224	J1RTD	D7F260172-17	7181050	46	1.0	07/10/07 02:18		☐
225	J1RTDP5	D7F260172	7181050		5.0	07/10/07 02:23		☐
226	J1RTDS	D7F260172-17	7181050	46	1.0	07/10/07 02:28		☐
227	J1RTDD	D7F260172-17	7181050	46	1.0	07/10/07 02:32		☐
228	J1RTDZ	D7F260172-17	7181050		1.0	07/10/07 02:37		☐
229	J1RTM	D7F260172-18	7181050	46	1.0	07/10/07 02:41		☐
230	CCVH1				1.0	07/10/07 02:46		☐

STL Denver

RUN SUMMARY

Method: 6010 (ICP Metals) 6500_025 (025) Reported: 07/10/07 08:50:31

File ID: **25A070907** **Analyst: lmt**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
231	CCVL1				1.0	07/10/07 02:51		☐
232	CCB				1.0	07/10/07 02:55		☐
233	J1RTR	D7F260172-19	7181050	46	1.0	07/10/07 03:00		☐
234	J1RTT	D7F260172-20	7181050	46	1.0	07/10/07 03:05		☐
235	J1RTW	D7F260172-21	7181050	46	1.0	07/10/07 03:09		☐
236	J1RT3	D7F260172-22	7181050	46	1.0	07/10/07 03:14		☐
237	J1RT7	D7F260172-23	7181050	46	1.0	07/10/07 03:19		☐
238	J1RT9	D7F260172-24	7181050	46	1.0	07/10/07 03:23		☐
239	J1RVC	D7F260172-25	7181050	46	1.0	07/10/07 03:28		☐
240	J1RVK	D7F260172-26	7181050	46	1.0	07/10/07 03:33		☐
241	J1RVT	D7F260172-27	7181050	46	1.0	07/10/07 03:37		☐
242	J1RV0	D7F260172-28	7181050	46	1.0	07/10/07 03:42		☐
243	CCVH1				1.0	07/10/07 03:47		☐
244	CCVL1				1.0	07/10/07 03:51		☐
245	CCB				1.0	07/10/07 03:56		☐
246	J1RT7	D7F260172-23	7181050	46	1.0	07/10/07 04:01		☐
247	J1RT9	D7F260172-24	7181050	46	1.0	07/10/07 04:05		☐
248	CCVH1				1.0	07/10/07 07:02		☐
249	CCVH1				1.0	07/10/07 07:12		☐
250	CCVH1				1.0	07/10/07 07:17		☐
251	CCVL1				1.0	07/10/07 07:21		☐

Sample Name: STD1-BLANK Acquired: 7/9/2007 8:20:13 Type: Cal

Method: 6500_025(v18) Mode: IR Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00165**	**.00066**	**-.01265**	**-.00020**	**.00159**	**.00686**	**.00168**	**.00820**
Stddev	.00001	.00007	.00034	.00001	.00002	.00156	.00026	.00040
%RSD	.34200	10.324	2.6661	5.0200	1.2012	22.689	15.658	4.8636
#1	-.00165	.00071	-.01288	-.00020	.00157	.00576	.00150	.00849
#2	-.00166	.00061	-.01241	-.00019	.00160	.00796	.00187	.00792

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	Fe2714	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00192**	**.00006**	**-.00020**	**.01403**	**.00001**	**-.00086**	**-.00848**	**.00110**
Stddev	.00019	.00018	.00009	.00034	.00007	.00064	.00037	.00127
%RSD	9.6961	310.82	43.682	2.4152	752.31	74.262	4.3438	115.09
#1	.00205	-.00007	-.00014	.01379	.00006	-.00132	-.00874	.00199
#2	.00179	.00018	-.00026	.01427	-.00004	-.00041	-.00822	.00020

Elem	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00046**	**.00096**	**-.00021**	**.02224**	**.01914**	**-.00110**	**.00023**	**-.00015**
Stddev	.00014	.00006	.00004	.00213	.00173	.00025	.00003	.00032
%RSD	29.208	6.6178	19.367	9.5735	9.0270	22.345	14.453	207.04
#1	.00037	.00100	-.00018	.02374	.01792	-.00093	.00025	.00007
#2	.00056	.00091	-.00024	.02073	.02036	-.00127	.00021	-.00038

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00077**	**-.00026**	**.00189**	**.00189**	**-.00001**	**-.00694**	**-.00235**	**-.00131**
Stddev	.00012	.00011	.00038	.00038	.00012	.00048	.00009	.00010
%RSD	15.201	43.215	20.341	20.341	1238.9	6.8740	4.0286	7.7807
#1	-.00069	-.00018	.00162	.00162	-.00009	-.00727	-.00229	-.00138
#2	-.00086	-.00033	.00216	.00216	.00007	-.00660	-.00242	-.00124

7/9/07
SOP: DEW-MF-0012
Dual OLS

Sample Name: STD1-BLANK Acquired: 7/9/2007 8:20:13 Type: Cal

Method: 6500_025(v18) Mode: IR Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00061**	**.00033**	**.00149**	**.00004**	**-.00608**
Stddev	.00013	.00012	.00006	.00000	.00067
%RSD	20.425	36.237	3.9152	9.8206	11.032
R1	-.00070	.00041	.00153	.00004	-.00560
R2	-.00052	.00024	.00144	.00004	-.00655

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5364.0	37958.	4336.2
Stddev	.8	150.	17.8
%RSD	.01523	.39465	.40991
R1	5364.6	38064.	4323.6
R2	5363.5	37852.	4348.8

Sample Name: ICAL1A Acquired: 7/9/2007 8:24:52 Type: Cal
Method: 6500_025(v18) Mode: IR Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.45112**	**.27106**	**.19406**	**.45596**	**5.7432**	**7.4664**	**2.3868**	**2.7058**
Stddev	.00017	.00042	.00005	.00011	.0000	.0103	.0013	.0004
%RSD	.03740	.15677	.02529	.02372	.00025	.13752	.05286	.01632
#1	.45100	.27136	.19409	.45588	5.7432	7.4591	2.3877	2.7061
#2	.45124	.27076	.19402	.45604	5.7432	7.4736	2.3859	2.7055

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.5968**	**1.5178**	**.73018**	**.15355**	**8.6052**	**2.5105**	**.76804**	**2.3211**
Stddev	.0013	.0002	.00013	.00004	.0047	.0041	.00167	.0003
%RSD	.08140	.01340	.01839	.02522	.05437	.16451	.21766	.01219
#1	1.5959	1.5180	.73009	.15358	8.6085	2.5134	.76685	2.3213
#2	1.5977	1.5177	.73028	.15352	8.6019	2.5076	.76922	2.3209

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.78661**	**2.1969**	**.74394**	**.19372**	**.59119**	**.23665**	**.16516**	**.48945**
Stddev	.00054	.0002	.00050	.00008	.00032	.00040	.00009	.00057
%RSD	.06836	.00763	.06708	.04158	.05398	.16869	.05671	.11643
#1	.78699	2.1968	.74359	.19367	.59142	.23636	.16522	.48985
#2	.78623	2.1971	.74429	.19378	.59096	.23693	.16509	.48905

Elem	SiO2	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.48945**	**.60623**	**8.2194**	**.54101**	**.19383**	**.50776**	**.09548**	**.37999**
Stddev	.00057	.00048	.0117	.00092	.00008	.00027	.00006	.00104
%RSD	.11643	.07924	.14284	.17022	.03946	.05331	.05897	.27443
#1	.48985	.60589	8.2111	.54036	.19388	.50757	.09544	.37925
#2	.48905	.60657	8.2277	.54166	.19377	.50795	.09552	.38072

Sample Name: ICAL1A Acquired: 7/9/2007 8:24:52 Type: Cal

Method: 6500_025(v18) Mode: IR Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment:

nt. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5239.1	37158.	4317.1
Stddev	2.3	109.	2.1
%RSD	.04446	.29382	.04933
#1	5240.7	37236.	4315.6
#2	5237.4	37081.	4318.6

Sample Name: ICAL2A Acquired: 7/9/2007 8:29:18 Type: Cal

Method: 6500_025(v18) Mode: IR Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3092	Fe2714	Na8183	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.5155**	**1.0793**	**1.0077**	**.94116**	**.21663**
Stddev	.0003	.0007	.0004	.00004	.00008
%RSD	.00425	.06252	.04345	.00426	.03763
#1	7.5157	1.0789	1.0080	.94119	.21669
#2	7.5153	1.0798	1.0074	.94113	.21657

Int. Std.	Y_3600	Y_3774
Units	Cts/S	Cts/S
Avg	**37336.**	**4400.8**
Stddev	70.	14.0
%RSD	.18810	.31830
#1	37286.	4410.7
#2	37386.	4390.8

Sample Name: ICAL1A Acquired: 7/9/2007 8:33:54 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99372**	**1.0243**	**1.9971**	**.99831**	**1.0088**	**1.0031**	**10.009**	**1.0014**
Stddev	.00216	.0041	.0037	.00195	.0005	.0001	.011	.0001
%RSD	.21763	.40232	.18565	.19569	.04666	.00676	.11308	.01475
#1	.99219	1.0214	1.9997	.99969	1.0091	1.0032	10.001	1.0013
#2	.99525	1.0272	1.9945	.99693	1.0085	1.0031	10.017	1.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0016**	**1.0051**	**.99802**	**1.0313**	**100.36**	**2.0220**	**40.445**	**1.0013**
Stddev	.0009	.0001	.00197	.0015	.03	.0007	.088	.0018
%RSD	.08791	.01326	.19742	.14142	.02575	.03394	.21637	.17562
#1	1.0010	1.0050	.99662	1.0323	100.38	2.0225	40.383	1.0001
#2	1.0023	1.0052	.99941	1.0303	100.34	2.0215	40.506	1.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0056**	**10.002**	**10.099**	**.99930**	**2.0186**	**2.0014**	**2.0009**	**2.0078**
Stddev	.0002	.005	.033	.00004	.0005	.0001	.0015	.0001
%RSD	.02344	.05160	.32617	.00358	.02357	.00665	.07496	.00499
#1	1.0058	10.006	10.076	.99927	2.0189	2.0015	2.0019	2.0078
#2	1.0054	9.9982	10.123	.99932	2.0182	2.0014	1.9998	2.0077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: ICAL1A Acquired: 7/9/2007 8:33:54 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9603**	**21.315**	**2.0029**	**1.0041**	**-.00235**	**.99142**	**1.9927**	**.00758**
Stddev	.0033	.007	.0014	.0019	.00069	.00266	.0038	.00006
%RSD	.03316	.03316	.06912	.18621	29.213	.26834	.19114	.74235
#1	9.9580	21.310	2.0019	1.0028	-.00284	.98954	1.9954	.00754
#2	9.9626	21.320	2.0039	1.0054	-.00186	.99330	1.9900	.00762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
Value Range								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.99190**	**.99683**	**1.0014**
Stddev	.00270	.00204	.0039
%RSD	.27194	.20454	.38924
#1	.98999	.99538	1.0041
#2	.99380	.99827	.99863
Check ?	Chk Pass	Chk Pass	Chk Pass
Value Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5237.3**	**37201.**	**4338.6**
Stddev	5.8	26.	2.5
%RSD	.10986	.07066	.05702
#1	5241.4	37220.	4336.9
#2	5233.3	37182.	4340.4

Sample Name: ICAL2A Acquired: 7/9/2007 8:38:19 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.02496**	**99.600**	**-.01105**	**.00014**	**-.00038**	**-.00007**	**.03439**	**-.00191**
Stddev	.00102	.209	.00075	.00025	.00034	.00015	.00020	.00006
%RSD	4.0860	.21012	6.7753	180.72	88.521	212.08	.58199	2.9846
#1	.02569	99.452	-.01052	.00031	-.00014	.00004	.03424	-.00187
#2	.02424	99.748	-.01158	-.00004	-.00062	-.00018	.03453	-.00195
Check ?	Chk Fail	Chk Pass	None	None	None	None	None	None
Value	.00000							
Range	5.0000%							

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**.00050**	**.02787**	**99.585**	**.03447**	**.00255**	**.37619**	**.00020**
Stddev	.00016	.00010	.00007	.299	.04481	.00010	.00222	.00009
%RSD	7.8134	19.887	.26175	.29994	130.01	3.8460	.59127	42.761
#1	.00215	.00043	.02793	99.374	.00278	.00248	.37777	.00026
#2	.00193	.00057	.02782	99.796	.06615	.00262	.37462	.00014
Check ?	None	None	None	Chk Pass	None	None	None	None
Value								
Range								

Elem	Mo2020	Na8183	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00202**	**98.947**	**.00110**	**.00408**	**.00405**	**.00925**	**.00883**	**.03111**
Stddev	.00003	.019	.00034	.00011	.00015	.00073	.00146	.00340
%RSD	1.4664	.01875	30.614	2.7933	3.6234	7.8404	16.571	10.928
#1	-.00200	98.934	.00086	.00400	.00416	.00976	.00780	.02871
#2	-.00204	98.960	.00134	.00416	.00395	.00874	.00987	.03351
Check ?	None	Chk Pass	None	None	None	None	None	None
Value								
Range								

Sample Name: ICAL2A Acquired: 7/9/2007 8:38:19 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06657**	**.00155**	**.00099**	**9.8040**	**-.02081**	**-.00972**	**19.792**	**.01702**
Stddev	.00728	.00064	.00014	.0009	.00036	.00062	.072	.00037
%RSD	10.928	41.481	14.576	.00886	1.7241	6.3580	.36148	2.1671
#1	.06143	.00110	.00088	9.8047	-.02055	-.01016	19.842	.01728
#2	.07172	.00201	.00109	9.8034	-.02106	-.00928	19.741	.01676
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None
Value								
Range								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00289**	**.39736**
Stddev	.00011	.00523
%RSD	3.8362	1.3159
#1	.00297	.39366
#2	.00281	.40106
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5126.6**	**37407.**	**4398.0**
Stddev	6.1	5.	.8
%RSD	.11853	.01395	.01840
#1	5130.9	37411.	4397.5
#2	5122.3	37404.	4398.6

Sample Name: ICVH Acquired: 7/9/2007 8:42:55 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00750**	**39.555**	**-.00608**	**-.00028**	**-.00007**	**-.00003**	**39.524**	**-.00059**
Stddev	.00004	.047	.00196	.00033	.00036	.00001	.061	.00000
%RSD	.50670	.11905	32.245	119.43	537.19	36.940	.15350	.45342
#1	.00747	39.522	-.00746	-.00004	-.00032	-.00004	39.481	-.00059
#2	.00752	39.589	-.00469	-.00052	.00019	-.00003	39.567	-.00059
Check ?	None	Chk Pass	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00126**	**.00921**	**77.980**	**.01114**	**.00150**	**.11748**	**.00055**
Stddev	.00016	.00001	.00016	.082	.00772	.00266	.02341	.00005
%RSD	7.3574	.47959	1.7003	.10543	69.308	177.44	19.928	9.7347
#1	.00207	.00126	.00932	78.038	.01660	.00338	.10093	.00051
#2	.00230	.00127	.00910	77.922	.00568	-.00038	.13404	.00058
Check ?	None	None	None	Chk Pass	None	None	None	None
Value								
Range								

Elem	Mo2020	Na8183	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00104**	**39.957**	**.00203**	**.00238**	**.00101**	**.00085**	**.00073**	**.02294**
Stddev	.00016	.348	.00030	.00077	.00036	.00366	.00040	.01979
%RSD	15.224	.87146	14.758	32.504	35.798	431.24	55.106	86.251
#1	-.00093	40.203	.00182	.00183	.00127	-.00174	.00101	.00895
#2	-.00115	39.711	.00224	.00293	.00075	.00343	.00045	.03693
Check ?	None	Chk Pass	None	None	None	None	None	None
Value								
Range								

Sample Name: ICVH Acquired: 7/9/2007 8:42:55 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04909**	**.00093**	**.00099**	**2.8527**	**-.00643**	**-.00223**	**4.8729**	**.00457**
Stddev	.04234	.00107	.00005	.0022	.00030	.00022	.0565	.00044
%RSD	86.251	115.18	4.9663	.07530	4.6145	9.9973	1.1596	9.5280
#1	.01915	.00017	.00095	2.8512	-.00622	-.00207	4.9129	.00488
#2	.07903	.00168	.00102	2.8543	-.00664	-.00239	4.8330	.00427
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None
Value								
Range								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**2.4170**	**.12353**
Stddev	.0063	.00070
%RSD	.25883	.56951
#1	2.4126	.12304
#2	2.4214	.12403
Check ?	None	None
Value		
Range		

nt. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5185.4	36995.	4358.4
Stddev	24.7	152.	4.2
%RSD	.47643	.41009	.09641
#1	5202.9	37102.	4355.4
#2	5167.9	36887.	4361.3

Sample Name: ICVL Acquired: 7/9/2007 8:47:30 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24902**	F **.26508**	**.23924**	**.24445**	**.23965**	**.24328**	**1.9911**	**.24385**
Stddev	.00091	.00048	.00080	.00075	.00058	.00062	.0011	.00035
%RSD	.36643	.18043	.33258	.30647	.24133	.25469	.05457	.14247
#1	.24837	.26474	.23980	.24498	.23924	.24284	1.9903	.24409
#2	.24966	.26542	.23868	.24392	.24006	.24371	1.9919	.24360
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000						
Range		5.0000%						

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24461**	**.24532**	**.24274**	F **.28492**	**19.570**	**.24898**	**9.7560**	**.24050**
Stddev	.00001	.00059	.00084	.00198	.076	.00172	.0642	.00006
%RSD	.00405	.24213	.34702	.69665	.38730	.69280	.65841	.02612
#1	.24460	.24490	.24214	.28632	19.623	.24776	9.7106	.24045
#2	.24462	.24574	.24333	.28352	19.516	.25020	9.8015	.24054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.25000				
Range				10.000%				

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24165**	**2.0527**	**.24898**	**1.9437**	**.25070**	**.24789**	**.49031**	**1.9291**
Stddev	.00028	.0161	.00029	.0038	.00179	.00148	.00045	.0124
%RSD	.11593	.78584	.11505	.19672	.71217	.59865	.09118	.64555
#1	.24184	2.0641	.24919	1.9410	.24944	.24684	.49062	1.9203
#2	.24145	2.0413	.24878	1.9464	.25196	.24894	.48999	1.9380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: ICVL Acquired: 7/9/2007 8:47:30 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1284**	**.49313**	**.24389**	**.00276**	**.24079**	**.50745**	**-.00245**	**.24405**
Stddev	.0267	.00050	.00082	.00086	.00117	.00241	.02348	.00115
%RSD	.64555	.10128	.33749	31.045	.48519	.47407	956.91	.47241
#1	4.1095	.49348	.24331	.00337	.23996	.50575	-.01906	.24324
#2	4.1472	.49278	.24448	.00215	.24161	.50915	.01415	.24487
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value								
Range								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.24278**	**.23950**
Stddev	.00019	.00186
%RSD	.07853	.77765
#1	.24265	.23819
#2	.24292	.24082
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5304.7**	**37648.**	**4369.9**
Stddev	4.5	15.	1.6
%RSD	.08437	.03980	.03579
#1	5307.8	37637.	4368.8
#2	5301.5	37658.	4371.0

Sample Name: ICVL Acquired: 7/9/2007 8:52:40 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24581**	**.26033**	**.23818**	**.24249**	**.24032**	**.24199**	**1.9701**	**.24438**
Stddev	.00007	.00016	.00112	.00022	.00075	.00068	.0110	.00026
%RSD	.02929	.06104	.47110	.09191	.31333	.28119	.55844	.10606
#1	.24576	.26044	.23897	.24265	.24085	.24151	1.9623	.24456
#2	.24586	.26022	.23738	.24233	.23979	.24247	1.9779	.24419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24496**	**.24700**	**.24178**	**.25260**	**19.645**	**.24660**	**9.8073**	**.23962**
Stddev	.00051	.00017	.00053	.00152	.076	.00256	.0773	.00001
%RSD	.20621	.06888	.21795	.60372	.38467	1.0396	.78789	.00324
#1	.24531	.24712	.24215	.25152	19.699	.24479	9.8620	.23962
#2	.24460	.24688	.24141	.25368	19.592	.24841	9.7527	.23961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24260**	**1.9977**	**.24812**	**1.9594**	**.25236**	**.24756**	**.49220**	**1.9263**
Stddev	.00006	.0095	.00013	.0005	.00005	.00159	.00130	.0179
%RSD	.02441	.47768	.05283	.02423	.01936	.64303	.26432	.93083
#1	.24264	1.9909	.24822	1.9591	.25232	.24643	.49128	1.9390
#2	.24255	2.0044	.24803	1.9597	.25239	.24869	.49312	1.9136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: ICVL Acquired: 7/9/2007 8:52:40 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1222**	**.49224**	**.24227**	**-.00362**	F **.23522**	**.50551**	**.00549**	**.23939**
Stddev	.0384	.00059	.00010	.00174	.00094	.00061	.00129	.00122
%RSD	.93083	.12064	.04063	48.082	.39957	.12067	23.448	.51038
#1	4.1494	.49266	.24220	-.00239	.23588	.50594	.00639	.24026
#2	4.0951	.49182	.24234	-.00485	.23455	.50508	.00458	.23853
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	None	Chk Pass
Value					.25000			
Range					-5.0000%			

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Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.24050**	F **.23701**
Stddev	.00081	.00034
%RSD	.33646	.14139
#1	.23993	.23677
#2	.24107	.23724
Check ?	Chk Pass	Chk Fail
Value		.25000
Range		-5.0000%

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Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5260.0**	**37785.**	**4364.6**
Stddev	2.9	45.	25.1
%RSD	.05503	.11858	.57575
#1	5257.9	37754.	4346.9
#2	5262.0	37817.	4382.4

Sample Name: ICVL Acquired: 7/9/2007 8:55:49 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24731**	**.26067**	**.23778**	**.24386**	**.24057**	**.24330**	**1.9770**	**.24459**
Stddev	.00059	.00101	.00027	.00161	.00084	.00058	.0148	.00020
%RSD	.24000	.38682	.11202	.66159	.35048	.23759	.74653	.07999
#1	.24773	.26138	.23759	.24272	.23997	.24289	1.9665	.24446
#2	.24689	.25996	.23797	.24500	.24117	.24371	1.9874	.24473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24494**	**.24656**	**.24135**	**.25187**	**19.605**	**.24662**	**9.8124**	**.23923**
Stddev	.00015	.00039	.00075	.00112	.046	.00272	.0062	.00011
%RSD	.06317	.15645	.31263	.44628	.23239	1.1039	.06319	.04553
#1	.24483	.24683	.24189	.25266	19.637	.24469	9.8080	.23916
#2	.24505	.24629	.24082	.25107	19.573	.24854	9.8168	.23931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24251**	**2.0108**	**.24797**	**1.9623**	**.25177**	**.24873**	**.49166**	**1.9319**
Stddev	.00011	.0062	.00093	.0053	.00024	.00045	.00195	.0103
%RSD	.04373	.30723	.37556	.27010	.09403	.17954	.39577	.53136
#1	.24259	2.0064	.24731	1.9660	.25194	.24904	.49303	1.9247
#2	.24244	2.0152	.24863	1.9585	.25161	.24841	.49028	1.9392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range								

Sample Name: ICVL Acquired: 7/9/2007 8:55:49 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1344**	**.49188**	**.24350**	**-.00101**	F **.23648**	**.50474**	**.00699**	**.24122**
Stddev	.0220	.00019	.00023	.00066	.00096	.00393	.01736	.00088
%RSD	.53136	.03792	.09546	65.880	.40738	.77908	248.30	.36566
#1	4.1188	.49175	.24333	-.00054	.23716	.50196	.01926	.24184
#2	4.1499	.49201	.24366	-.00148	.23580	.50752	-.00528	.24059
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	None	Chk Pass
Value					.25000			
Range					-5.0000%			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.23997**	**.24029**
Stddev	.00068	.00015
%RSD	.28182	.06364
#1	.24045	.24040
#2	.23949	.24019
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5270.3**	**37648.**	**4355.4**
Stddev	10.6	52.	11.9
%RSD	.20020	.13840	.27361
#1	5262.9	37684.	4363.8
#2	5277.8	37611.	4347.0

Sample Name: CCVH1 Acquired: 7/9/2007 8:59:11 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01003**	**49.224**	**-.00449**	**.00110**	**-.00012**	**-.00007**	**.02869**
Stddev	.00011	.176	.00073	.00043	.00033	.00020	.00437
%RSD	1.0911	.35833	16.296	39.294	280.20	299.73	15.224
#1	.01011	49.348	-.00501	.00079	.00011	.00008	.03178
#2	.00996	49.099	-.00397	.00140	-.00035	-.00021	.02561
Check ?	None	Chk Pass	None	None	None	None	None
Value							
Range							

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.00097**	**.00035**	**.01379**	**48.232**	**49.700**	**.03094**
Stddev	.00001	.00014	.00010	.00105	.195	.196	.01610
%RSD	1.3972	13.974	27.657	7.6118	.40374	.39372	52.040
#1	-.00091	.00088	.00028	.01453	48.370	49.839	.04233
#2	-.00090	.00107	.00041	.01305	48.095	49.562	.01956
Check ?	None	None	None	None	Chk Pass	Chk Pass	None
Value							
Range							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**.16385**	**.00000**	**-.00087**	**49.724**	**.00047**	**.00078**
Stddev	.00128	.05776	.00002	.00002	.054	.00010	.00058
%RSD	48.117	35.254	590.51	1.7572	.10916	20.921	73.950
#1	.00175	.20470	.00002	-.00088	49.686	.00040	.00119
#2	.00356	.12301	-.00001	-.00086	49.762	.00054	.00037
Check ?	None	None	None	None	Chk Pass	None	None
Value							
Range							

Sample Name: CCVH1 Acquired: 7/9/2007 8:59:11 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00417**	**.00555**	**.01884**	**.04032**	**.00093**	**.00041**
Stddev	.00028	.00050	.00338	.00851	.01821	.00027	.00009
%RSD	26.680	12.037	60.934	45.168	45.168	29.391	21.714
#1	.00125	.00452	.00794	.02486	.05320	.00074	.00048
#2	.00085	.00381	.00316	.01282	.02744	.00112	.00035
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.6362**	**-.00911**	**-.00413**	**9.5246**	**.00792**	**.00368**	**.21257**
Stddev	.3162	.00049	.00139	.6434	.00100	.00052	.01227
%RSD	6.8193	5.4330	33.789	6.7550	12.649	14.243	5.7717
#1	4.8598	-.00946	-.00314	9.9795	.00862	.00405	.20389
#2	4.4126	-.00876	-.00511	9.0696	.00721	.00331	.22124
Check ?	Chk Warn	None	None	Chk Pass	None	None	None
Value	5.0000						
Range	-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5284.8	38767.	4404.3
Stddev	50.1	1722.	26.4
%RSD	.94795	4.4427	.59963
#1	5320.3	37549.	4385.7
#2	5249.4	39985.	4423.0

Sample Name: CCVL1 Acquired: 7/9/2007 9:03:47 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49659**	**.51292**	**.98087**	**.49450**	**.49734**	**.49620**	**4.9688**	**.49597**
Stddev	.00157	.00158	.00029	.00082	.00070	.00070	.0140	.00003
%RSD	.31709	.30772	.02938	.16677	.14152	.14089	.28133	.00562
#1	.49770	.51404	.98108	.49392	.49684	.49571	4.9589	.49599
#2	.49547	.51181	.98067	.49508	.49783	.49670	4.9787	.49595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49991**	**.49998**	**.49703**	**.50768**	**49.814**	**1.0045**	**19.952**	**.49364**
Stddev	.00016	.00042	.00195	.00075	.113	.0009	.051	.00048
%RSD	.03223	.08340	.39180	.14685	.22680	.09040	.25338	.09776
#1	.50002	.49968	.49841	.50716	49.734	1.0039	19.916	.49398
#2	.49979	.50027	.49565	.50821	49.894	1.0052	19.988	.49330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49996**	**5.0183**	**.50065**	**.98852**	**1.0011**	**.99484**	**.98597**	**4.9257**
Stddev	.00066	.0417	.00078	.00202	.0002	.00092	.00036	.0287
%RSD	.13162	.83006	.15595	.20448	.02406	.09254	.03653	.58182
#1	.49950	4.9889	.50120	.98995	1.0012	.99419	.98622	4.9054
#2	.50043	5.0478	.50010	.98709	1.0009	.99549	.98572	4.9460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCVL1 Acquired: 7/9/2007 9:03:47 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.541**	**1.0006**	**.49955**	**-.00029**	**.49551**	**1.0126**	**.02722**	**.49534**
Stddev	.061	.0008	.00161	.00121	.00134	.0002	.01964	.00055
%RSD	.58182	.07473	.32264	423.72	.27005	.02194	72.156	.11150
#1	10.498	1.0012	.49841	.00057	.49646	1.0127	.04111	.49573
#2	10.584	1.0001	.50069	-.00114	.49457	1.0124	.01333	.49495
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value								
Range								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.49694**	**.49831**
Stddev	.00109	.00241
%RSD	.21877	.48336
#1	.49771	.50001
#2	.49617	.49661
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5310.7**	**37738.**	**4367.2**
Stddev	5.7	61.	25.0
%RSD	.10795	.16058	.57196
#1	5314.7	37695.	4384.9
#2	5306.6	37781.	4349.5

Sample Name: ICB Acquired: 7/9/2007 9:08:13 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00032**	**-.00078**	**-.00005**	**-.00007**	**.00000**	**-.00132**	**.00000**
Stddev	.00045	.00014	.00274	.00007	.00013	.00003	.00395	.00001
%RSD	344.01	42.421	352.79	149.16	204.21	37634.	299.38	147.12
#1	.00019	-.00022	.00116	.00000	-.00016	-.00002	-.00411	.00000
#2	-.00045	-.00042	-.00271	-.00010	.00003	.00002	.00147	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00019**	**.00035**	**.00478**	**.02288**	**-.00040**	**.01346**	**.00000**
Stddev	.00014	.00010	.00068	.00092	.04782	.00071	.03505	.00001
%RSD	63.139	51.149	193.75	19.330	209.02	177.26	260.51	349.49
#1	-.00012	.00012	-.00013	.00543	-.01093	-.00091	.03824	.00000
#2	-.00033	.00026	.00083	.00413	.05669	.00010	-.01133	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.01412**	**.00029**	**-.00233**	**.00004**	**.00001**	**-.00117**	**.01753**
Stddev	.00019	.00301	.00002	.00254	.00006	.00072	.00038	.01335
%RSD	54.995	21.338	8.2226	108.75	157.96	7037.7	32.581	76.175
#1	.00049	.01625	.00030	-.00413	.00000	.00052	-.00144	.00809
#2	.00021	.01199	.00027	-.00054	.00008	-.00050	-.00090	.02697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ICB Acquired: 7/9/2007 9:08:13 Type: QC

Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03751**	**-.00012**	**-.00008**	**.00028**	**.00009**	**.00022**	**.01626**	**-.00021**
Stddev	.02857	.00065	.00001	.00045	.00012	.00106	.01212	.00007
%RSD	76.175	528.81	6.8149	162.56	126.95	486.96	74.517	33.387
#1	.01731	-.00058	-.00008	.00060	.00001	-.00053	.02483	-.00016
#2	.05772	.00034	-.00007	-.00004	.00017	.00096	.00769	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00169**	**.00152**
Stddev	.00009	.00104
%RSD	5.1517	68.158
#1	.00163	.00079
#2	.00175	.00226
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5307.9**	**38076.**	**4330.2**
Stddev	7.9	67.	5.7
%RSD	.14829	.17658	.13250
#1	5313.5	38123.	4334.3
#2	5302.3	38028.	4326.2

Sample Name: RLSTD3 Acquired: 7/9/2007 9:12:55 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00946**	**.10700**	**.00910**	**.10071**	**.00478**	**.00099**	**.21071**
Stddev	.00021	.00007	.00004	.00110	.00011	.00011	.00059
%RSD	2.2026	.06106	.40181	1.0912	2.3081	10.838	.28015
#1	.00961	.10705	.00908	.09993	.00470	.00107	.21029
#2	.00932	.10696	.00913	.10149	.00486	.00092	.21112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00503**	**.00513**	**.01013**	**.01070**	W **.03669**	**1.0309**	**.00905**
Stddev	.00009	.00018	.00001	.00051	.00295	.0141	.00006
%RSD	1.6926	3.4460	.10685	4.7435	8.0543	1.3667	.69899
#1	.00497	.00526	.01014	.01034	.03878	1.0408	.00910
#2	.00509	.00501	.01013	.01106	.03460	1.0209	.00901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value					.03000		
Range					20.000%		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23007**	**.00287**	**.01002**	**1.0524**	**.01043**	**.97655**	**.00316**
Stddev	.00580	.00008	.00007	.0054	.00016	.00659	.00001
%RSD	2.5215	2.7112	.68767	.51261	1.5289	.67522	.24989
#1	.22596	.00293	.01007	1.0562	.01032	.97189	.00317
#2	.23417	.00282	.00997	1.0486	.01054	.98121	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: RLSTD3 Acquired: 7/9/2007 9:12:55 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.01109**	**.47989**	**1.0270**	**.01769**	**.00503**	F **.00411**
Stddev	.00163	.00231	.00020	.0004	.00024	.00007	.00131
%RSD	17.515	20.877	.04244	.04244	1.3713	1.4517	31.830
#1	.00814	.00945	.47975	1.0267	.01752	.00497	.00318
#2	.01044	.01272	.48003	1.0273	.01786	.00508	.00503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							.01000
Range							-50.000%

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.01013**	F **.10586**	**.00968**	W **.01288**	**.01076**
Stddev	.00038	.00057	.03900	.00004	.00010	.00245
%RSD	3.7921	5.5960	36.846	.44187	.78543	22.790
#1	.01039	.01053	.13344	.00971	.01295	.00903
#2	.00984	.00973	.07828	.00965	.01281	.01250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
Value			.06000		.01000	
Range			50.000%		20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5330.3**	**38269.**	**4326.0**
Stddev	19.7	98.	2.6
%RSD	.36946	.25684	.05953
#1	5344.3	38339.	4327.8
#2	5316.4	38200.	4324.2

Sample Name: ICSA Acquired: 7/9/2007 9:17:33 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00232**	**499.36**	**-.00709**	**-.00048**	**-.00021**	**-.00017**	**473.37**
Stddev	.00008	.22	.00889	.00038	.00031	.00009	.93
%RSD	3.6460	.04476	125.44	79.534	148.49	50.386	.19581
#1	-.00226	499.21	-.00080	-.00075	.00001	-.00011	472.72
#2	-.00238	499.52	-.01338	-.00021	-.00043	-.00024	474.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00050**	**.00261**	W **.00720**	**186.21**	**.04152**	**.00760**
Stddev	.00015	.00032	.00023	.00017	.02	.00903	.00020
%RSD	23.498	63.362	8.6310	2.3148	.00939	21.747	2.6825
#1	-.00076	-.00028	.00245	.00708	186.20	.03514	.00745
#2	-.00054	-.00073	.00277	.00732	186.22	.04791	.00774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500			
Low Limit				-.00500			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**484.18**	W **.00642**	**-.00288**	**.12197**	**.00481**	**.00110**	**-.00169**
Stddev	.43	.00001	.00008	.00880	.00060	.00248	.00219
%RSD	.08923	.19087	2.8048	7.2133	12.558	225.88	129.63
#1	483.88	.00642	-.00283	.12819	.00438	-.00066	-.00014
#2	484.49	.00641	-.00294	.11575	.00523	.00285	-.00323
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00500					
Low Limit		-.00500					

Sample Name: ICSA Acquired: 7/9/2007 9:17:33 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.01572	.00385	.01446	.03096	.00034	.00180	W -.01195
Stddev	.00215	.00228	.01261	.02698	.00035	.00008	.00019
%RSD	13.666	59.139	87.144	87.144	102.36	4.5774	1.5854
#1	-.01724	.00546	.02338	.05003	.00058	.00186	-.01181
#2	-.01420	.00224	.00555	.01188	.00009	.00174	-.01208
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.01000						.01000
Low Limit	-.01000						-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00612	-.00125	1.8287	.00312	F .01579	.00004
Stddev	.00011	.00052	.0555	.00067	.00008	.00032
%RSD	1.7405	41.735	3.0372	21.556	.51382	874.92
#1	.00605	-.00162	1.7894	.00265	.01584	.00027
#2	.00620	-.00088	1.8680	.00360	.01573	-.00019
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	.00500				.01000	
Low Limit	-.00500				-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4783.3	32879.	4298.6
Stddev	3.3	49.	10.8
%RSD	.06949	.15011	.25076
#1	4780.9	32914.	4291.0
#2	4785.6	32844.	4306.2

Sample Name: ICSAB Acquired: 7/9/2007 9:22:11 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1223**	**488.94**	**1.9666**	**1.9421**	**.48438**	**.48269**	**466.68**	**1.0051**	**.45871**
Stddev	.0012	.67	.0017	.0018	.00091	.00034	3.33	.0012	.00052
%RSD	.10653	.13666	.08663	.09275	.18730	.07125	.71429	.11702	.11364
#1	1.1231	489.41	1.9678	1.9408	.48503	.48244	469.04	1.0059	.45908
#2	1.1214	488.47	1.9654	1.9434	.48374	.48293	464.32	1.0042	.45834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47752**	**.53689**	**182.27**	**49.774**	**1.0022**	**472.42**	**.49481**	**.93452**	**49.904**
Stddev	.00130	.00330	.19	.195	.0013	.20	.00090	.00127	.063
%RSD	.27174	.61533	.10274	.39197	.12937	.04189	.18270	.13634	.12700
#1	.47844	.53923	182.14	49.912	1.0032	472.28	.49545	.93542	49.949
#2	.47660	.53456	182.40	49.636	1.0013	472.56	.49417	.93362	49.860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92456**	**1.9583**	**.93211**	**.99605**	**4.8748**	**9.5131**	**20.358**	**9.1679**	**.96663**
Stddev	.00005	.0006	.00135	.00188	.0131	.0564	.121	.0130	.00318
%RSD	.00583	.03037	.14493	.18908	.26841	.59263	.59263	.14187	.32871
#1	.92460	1.9587	.93307	.99472	4.8840	9.5530	20.443	9.1771	.96438
#2	.92452	1.9579	.93116	.99738	4.8655	9.4732	20.273	9.1587	.96888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: ICSAB Acquired: 7/9/2007 9:22:11 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9283**	**1.0100**	**8.8849**	**1.7941**	**.52163**	**.96146**	**1.0567**
Stddev	.0006	.0001	.0006	.0200	.00108	.00102	.0025
%RSD	.02953	.01494	.00713	1.1146	.20757	.10607	.23485
#1	1.9287	1.0101	8.8854	1.8082	.52239	.96219	1.0550
#2	1.9279	1.0099	8.8845	1.7799	.52086	.96074	1.0585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4766.2**	**32734.**	**4330.6**
Stddev	12.2	79.	42.4
%RSD	.25518	.24154	.97817
#1	4757.6	32790.	4300.6
#2	4774.8	32678.	4360.5

Sample Name: LR Acquired: 7/9/2007 9:26:40 Type: Unk
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0801**	**.44577**	**9.7897**	**-.00488**	**9.6554**	**.00053**
Stddev	.0125	.00710	.0326	.00010	.0987	.00004
%RSD	.60032	1.5918	.33345	2.0320	1.0219	7.0869
#1	2.0889	.45079	9.7666	-.00495	9.5856	.00056
#2	2.0713	.44076	9.8127	-.00481	9.7252	.00050
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					
Low Limit	-.02000					

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07452**	**1.9994**	**-.00395**	**9.8481**	**10.024**	**497.83**
Stddev	.01038	.0037	.00002	.0116	.033	1.78
%RSD	13.928	.18311	.42641	.11755	.33005	.35813
#1	.08186	1.9968	-.00394	9.8399	10.048	496.57
#2	.06719	2.0020	-.00396	9.8563	10.001	499.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06606**	**.00023**	W **-.10185**	**9.4947**	**-.00434**	**.00187**
Stddev	.04513	.00169	.05890	.0264	.00007	.00907
%RSD	68.322	743.16	57.828	.27825	1.6087	484.89
#1	-.03415	.00142	-.06020	9.5134	-.00430	-.00454
#2	-.09797	-.00097	-.14349	9.4760	-.00439	.00829
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			1800.0			
Low Limit			-.10000			

Sample Name: LR Acquired: 7/9/2007 9:26:40 Type: Unk
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.036**	**-.00066**	**10.130**	F **-.04480**	**-.00386**	**.07143**
Stddev	.020	.00012	.027	.00369	.00096	.01243
%RSD	.19514	17.963	.26720	8.2296	24.761	17.405
#1	10.023	-.00075	10.111	-.04220	-.00454	.08023
#2	10.050	-.00058	10.149	-.04741	-.00319	.06264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				50.000		
Low Limit				-.02000		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15287**	**.00342**	**.00038**	F **-.09027**	**.00120**	**.02760**
Stddev	.02661	.00006	.00011	.00039	.00019	.00151
%RSD	17.405	1.7848	28.939	.42872	15.921	5.4808
#1	.17168	.00338	.00031	-.09055	.00134	.02867
#2	.13406	.00346	.00046	-.09000	.00106	.02653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				50.000		
Low Limit				-.02000		

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.60235**	**9.9486**	W **9.5431**	**.00652**
Stddev	.00971	.0962	.0607	.00266
%RSD	1.6125	.96707	.63568	40.737
#1	-.60922	10.017	9.5860	.00840
#2	-.59548	9.8806	9.5002	.00464
Check ?	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit	50.000		9.0000	
Low Limit	-.10000		-.00500	

Sample Name: LR Acquired: 7/9/2007 9:26:40 Type: Unk

Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment:

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5207.6	37182.	4349.5
Stddev	1.6	77.	23.4
%RSD	.03073	.20753	.53895
#1	5206.5	37127.	4366.1
#2	5208.7	37237.	4332.9

Sample Name: ALTCRI Acquired: 7/9/2007 9:35:39 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02032**	**.22417**	**.01994**	**.20444**	**.00982**	**.00196**	**.41636**
Stddev	.00042	.00020	.00033	.00113	.00016	.00004	.00385
%RSD	2.0874	.09046	1.6386	.55232	1.6220	2.1609	.92396
#1	.02002	.22431	.01971	.20524	.00971	.00193	.41908
#2	.02062	.22402	.02017	.20364	.00993	.00199	.41364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.01035**	**.02040**	**.02150**	W **.07392**	**2.0863**	**.02046**
Stddev	.00013	.00011	.00004	.00039	.00462	.0019	.00107
%RSD	1.3112	1.0700	.17937	1.8215	6.2452	.08871	5.2360
#1	.01009	.01028	.02037	.02178	.07719	2.0850	.02121
#2	.01028	.01043	.02043	.02122	.07066	2.0876	.01970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value					.06000		
Range					20.000%		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41301**	**.00597**	**.01935**	**2.0663**	**.02071**	**1.9692**	W **.00721**
Stddev	.02435	.00004	.00009	.0099	.00027	.0043	.00080
%RSD	5.8953	.58992	.49079	.47967	1.2869	.21888	11.097
#1	.39579	.00600	.01929	2.0733	.02052	1.9662	.00777
#2	.43022	.00595	.01942	2.0593	.02090	1.9723	.00664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value							.00600
Range							20.000%

Sample Name: ALTCRI Acquired: 7/9/2007 9:35:39 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01810**	**.01626**	**.94280**	**2.0176**	**.03784**	**.01015**	W **.01161**
Stddev	.00172	.00139	.00826	.0177	.00030	.00027	.00093
%RSD	9.4942	8.5584	.87630	.87630	.79763	2.6691	8.0265
#1	.01689	.01724	.94864	2.0301	.03763	.01034	.01227
#2	.01932	.01528	.93695	2.0051	.03806	.00996	.01095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value							.02000
Range							-20.000%

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01928**	**.02226**	**.12320**	**.02011**	**.02070**	**.02194**
Stddev	.00039	.00014	.01583	.00034	.00018	.00085
%RSD	2.0320	.61920	12.846	1.6782	.85311	3.8715
#1	.01956	.02236	.13439	.02035	.02058	.02134
#2	.01901	.02216	.11200	.01988	.02083	.02254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5384.0**	**38076.**	**4374.9**
Stddev	13.9	84.	6.1
%RSD	.25823	.22172	.13881
#1	5393.8	38135.	4379.2
#2	5374.2	38016.	4370.6

Sample Name: ALTCRI Acquired: 7/9/2007 9:39:43 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01979**	**.21812**	**.01646**	**.20443**	**.00967**	**.00195**	**.41860**
Stddev	.00057	.00080	.00167	.00072	.00022	.00000	.00191
%RSD	2.8834	.36569	10.161	.35341	2.2929	.20295	.45744
#1	.02019	.21755	.01764	.20392	.00983	.00195	.41995
#2	.01938	.21868	.01528	.20494	.00951	.00195	.41725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01015**	**.01023**	**.02032**	**.02091**	**.06970**	**2.0196**	**.02269**
Stddev	.00009	.00004	.00015	.00016	.00133	.0498	.00053
%RSD	.92319	.38856	.73660	.77987	1.9077	2.4663	2.3216
#1	.01008	.01020	.02021	.02080	.06876	2.0548	.02232
#2	.01021	.01026	.02042	.02103	.07064	1.9844	.02307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42063**	**.00583**	**.01946**	**2.0484**	**.02065**	**1.9639**	**.00688**
Stddev	.01283	.00001	.00012	.0112	.00038	.0012	.00109
%RSD	3.0494	.18131	.59428	.54421	1.8396	.06181	15.777
#1	.41156	.00582	.01938	2.0563	.02092	1.9630	.00611
#2	.42970	.00583	.01955	2.0406	.02038	1.9647	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: ALTCRI Acquired: 7/9/2007 9:39:43 Type: QC
Method: 6500_025(v18) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01968**	**.01840**	**.95208**	**2.0375**	**.03780**	**.01006**	W **.01036**
Stddev	.00087	.00084	.00450	.0096	.00026	.00006	.00274
%RSD	4.3993	4.5590	.47301	.47301	.69446	.59779	26.406
#1	.01907	.01900	.94890	2.0306	.03761	.01002	.00843
#2	.02029	.01781	.95526	2.0443	.03798	.01010	.01230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value							.02000
Range							-20.000%

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01925**	**.02175**	**.12385**	**.02018**	**.02057**	**.02056**
Stddev	.00013	.00105	.01755	.00025	.00027	.00144
%RSD	.66026	4.8135	14.167	1.2419	1.2963	7.0030
#1	.01934	.02249	.13626	.02036	.02038	.01954
#2	.01916	.02101	.11145	.02001	.02076	.02157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5390.5**	**38160.**	**4377.9**
Stddev	16.0	39.	5.2
%RSD	.29625	.10267	.11968
#1	5401.8	38188.	4374.2
#2	5379.2	38132.	4381.6

Sample Name: CCVH1 Acquired: 7/9/2007 9:46:54 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01082**	**49.596**	**-.00361**	**.00049**	**.00011**	**-.00019**	**.04907**	**-.00082**
Stddev	.00035	.089	.00118	.00005	.00018	.00008	.00263	.00004
%RSD	3.2166	.17961	32.781	10.754	161.27	42.567	5.3678	4.6717
#1	.01057	49.533	-.00277	.00053	-.00002	-.00013	.04721	-.00085
#2	.01107	49.659	-.00445	.00045	.00024	-.00025	.05094	-.00079
Check ?	None	Chk Pass	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00056**	**.01545**	**48.408**	**49.863**	**-.02755**	**.00121**	**.22624**
Stddev	.00035	.00003	.00023	.067	.041	.01426	.00324	.00372
%RSD	38.146	6.0027	1.5096	.13937	.08186	51.775	267.64	1.6456
#1	.00118	.00059	.01529	48.361	49.834	-.01746	.00350	.22887
#2	.00068	.00054	.01562	48.456	49.892	-.03763	-.00108	.22361
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	None
Value								
Range								

Elem	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00096**	**49.949**	**.00113**	**.00241**	**.00129**	**.00304**	**.00478**
Stddev	.00003	.00001	.246	.00018	.00187	.00029	.00288	.00201
%RSD	8.0686	.54694	.49182	16.188	77.711	22.268	94.552	42.054
#1	.00042	-.00096	49.775	.00126	.00373	.00109	.00101	.00621
#2	.00038	-.00096	50.123	.00100	.00109	.00149	.00508	.00336
Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Sample Name: CCVH1 Acquired: 7/9/2007 9:46:54 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01559**	**.03336**	**.00081**	**.00042**	**4.8730**	**-.01059**	**-.00471**	**9.9757**
Stddev	.00744	.01592	.00063	.00002	.0045	.00006	.00100	.0213
%RSD	47.721	47.721	78.384	4.2668	.09282	.57914	21.276	.21334
#1	.01033	.02210	.00036	.00041	4.8762	-.01063	-.00542	9.9907
#2	.02085	.04462	.00125	.00044	4.8699	-.01055	-.00400	9.9607
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass
Value								
Range								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00868**	**.00660**	**.20161**
Stddev	.00034	.00036	.00041
%RSD	3.9145	5.3921	.20460
#1	.00892	.00634	.20132
#2	.00844	.00685	.20190
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5291.8**	**37426.**	**4383.9**
Stddev	2.6	164.	13.7
%RSD	.05008	.43830	.31202
#1	5290.0	37310.	4393.6
#2	5293.7	37542.	4374.2

Sample Name: CCVL1 Acquired: 7/9/2007 9:51:37 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50671**	W **.53512**	**.98275**	**.49493**	**.49546**	**.49726**	**5.0514**
Stddev	.00284	.00045	.00475	.00011	.00063	.00100	.0011
%RSD	.55978	.08424	.48378	.02299	.12775	.20084	.02180
#1	.50871	.53544	.98611	.49485	.49501	.49656	5.0507
#2	.50470	.53480	.97939	.49501	.49590	.49797	5.0522
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000					
Range		5.0000%					

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49975**	**.50480**	**.50291**	**.49949**	**.51053**	**49.947**	**.99495**
Stddev	.00066	.00006	.00019	.00196	.00890	.049	.00313
%RSD	.13282	.01173	.03843	.39191	1.7430	.09904	.31489
#1	.49928	.50484	.50277	.50088	.50423	49.982	.99274
#2	.50022	.50475	.50304	.49811	.51682	49.912	.99717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.723**	**.49438**	**.50552**	**5.0485**	**.50315**	**1.0069**	**1.0079**
Stddev	.046	.00047	.00042	.0166	.00057	.0024	.0005
%RSD	.23348	.09526	.08320	.32815	.11342	.23891	.04875
#1	19.690	.49471	.50522	5.0368	.50355	1.0086	1.0076
#2	19.755	.49405	.50582	5.0602	.50274	1.0052	1.0083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCVL1 Acquired: 7/9/2007 9:51:37 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99762**	**.98781**	**5.0199**	**10.743**	**1.0024**	**.49833**	**-.00084**
Stddev	.00079	.00180	.0096	.021	.0017	.00257	.00027
%RSD	.07903	.18179	.19190	.19190	.17128	.51669	31.587
#1	.99817	.98908	5.0131	10.728	1.0011	.49651	-.00065
#2	.99706	.98654	5.0267	10.757	1.0036	.50016	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value							
Range							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49983**	**1.0161**	**.00546**	**.50162**	**.50049**	**.49990**
Stddev	.00077	.0020	.00515	.00048	.00007	.00073
%RSD	.15440	.19944	94.223	.09581	.01333	.14667
#1	.50037	1.0175	.00182	.50128	.50054	.50041
#2	.49928	1.0147	.00910	.50196	.50044	.49938
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5308.3**	**37615.**	**4359.9**
Stddev	2.1	285.	20.3
%RSD	.03937	.75792	.46564
#1	5309.8	37413.	4345.5
#2	5306.8	37817.	4374.3

Sample Name: CCVL1 Acquired: 7/9/2007 10:37:05 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51083**	W **.54910**	**.98101**	**.49436**	**.49063**	**.49599**	**5.0534**
Stddev	.00239	.00380	.00176	.00134	.00003	.00006	.0036
%RSD	.46772	.69292	.17917	.27112	.00582	.01117	.07089
#1	.50914	.55179	.97977	.49341	.49065	.49603	5.0559
#2	.51252	.54641	.98226	.49531	.49061	.49595	5.0509
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000					
Range		5.0000%					

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50342**	**.50662**	**.50314**	**.50159**	**.49955**	**49.718**	**.98891**
Stddev	.00030	.00075	.00024	.00110	.00216	.058	.00122
%RSD	.05873	.14825	.04678	.22003	.43181	.11609	.12350
#1	.50363	.50715	.50331	.50081	.50108	49.678	.98804
#2	.50321	.50609	.50297	.50238	.49803	49.759	.98977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.484**	**.49270**	**.50583**	**5.0683**	**.50414**	**1.0137**	**1.0077**
Stddev	.024	.00091	.00047	.0071	.00059	.0002	.0004
%RSD	.12243	.18403	.09312	.14028	.11633	.02295	.03705
#1	19.467	.49206	.50616	5.0633	.50372	1.0138	1.0074
#2	19.501	.49334	.50549	5.0734	.50455	1.0135	1.0080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCVL1 Acquired: 7/9/2007 10:37:05 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99558**	**.99608**	**5.0230**	**10.749**	**.99781**	**.49300**	**-.00241**
Stddev	.00042	.00263	.0145	.031	.00053	.00090	.00049
%RSD	.04242	.26430	.28892	.28892	.05282	.18178	20.429
#1	.99588	.99794	5.0127	10.727	.99744	.49236	-.00206
#2	.99528	.99422	5.0332	10.771	.99819	.49363	-.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value							
Range							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49563**	**1.0109**	**.01091**	**.49862**	**.49786**	**.49131**
Stddev	.00084	.0003	.01038	.00151	.00025	.00398
%RSD	.16853	.03171	95.170	.30365	.04935	.81001
#1	.49504	1.0111	.01824	.49755	.49803	.48849
#2	.49622	1.0107	.00357	.49969	.49769	.49412
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5245.1**	**36979.**	**4364.5**
Stddev	8.2	48.	17.4
%RSD	.15590	.13089	.39950
#1	5239.3	37013.	4352.2
#2	5250.9	36944.	4376.8

Sample Name: CCB Acquired: 7/9/2007 10:41:29 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00073**	**-.00009**	**-.00018**	**-.00013**	**-.00007**	**.00045**	**-.00005**
Stddev	.00005	.00013	.00058	.00010	.00002	.00003	.00063	.00010
%RSD	13.440	17.198	677.14	52.432	15.436	44.520	139.36	202.17
#1	-.00039	.00082	-.00050	-.00025	-.00012	-.00005	.00089	.00002
#2	-.00032	.00064	.00033	-.00011	-.00015	-.00010	.00001	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00012**	**.00089**	**.00588**	**-.00495**	**.00088**	**-.00461**	**-.00005**
Stddev	.00026	.00005	.00000	.00086	.03270	.00167	.00182	.00001
%RSD	139.97	46.414	.12151	14.588	661.15	189.85	39.428	19.512
#1	.00000	.00008	.00089	.00528	-.02807	-.00030	-.00589	-.00004
#2	-.00037	.00016	.00089	.00649	.01818	.00205	-.00332	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.01538**	**.00015**	**-.00078**	**.00000**	**-.00148**	**.00002**	**.01363**
Stddev	.00006	.01119	.00006	.00021	.0017	.00036	.00112	.00308
%RSD	56.799	72.766	39.301	27.455	34076.	24.464	6624.2	22.576
#1	.00014	-.02330	.00019	-.00063	.00119	-.00174	-.00078	.01581
#2	.00006	-.00747	.00011	-.00093	-.00120	-.00122	.00081	.01145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 7/9/2007 10:41:29 Type: QC

Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02917**	**-.00032**	**-.00001**	**-.00046**	**.00002**	**.00136**	**.00031**	**.00001**
Stddev	.00658	.00021	.00011	.00190	.00014	.00020	.00012	.00004
%RSD	22.576	66.304	1701.9	409.92	693.75	14.684	38.875	422.69
#1	.03382	-.00017	.00007	.00088	-.00008	.00121	.00039	.00003
#2	.02451	-.00048	-.00008	-.00181	.00012	.00150	.00022	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00174**	**.00115**
Stddev	.00002	.00183
%RSD	1.1123	158.12
#1	.00176	-.00014
#2	.00173	.00244
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5300.4	37753.	4358.0
Stddev	23.0	44.	12.0
%RSD	.43338	.11645	.27464
#1	5284.2	37784.	4366.5
#2	5316.7	37722.	4349.6

Sample Name: CCVH1 Acquired: 7/9/2007 13:12:11 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01076**	**49.112**	**-.00353**	**.00047**	**-.00014**	**-.00013**	**.04809**	**-.00099**
Stddev	.00035	.117	.00118	.00005	.00037	.00000	.00309	.00002
%RSD	3.2252	.23864	33.388	11.588	262.08	.38551	6.4352	2.2150
#1	.01052	49.195	-.00270	.00051	-.00040	-.00013	.05027	-.00101
#2	.01101	49.029	-.00436	.00043	.00012	-.00013	.04590	-.00098
Check ?	None	Chk Pass	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00028**	**.01442**	**48.228**	**49.423**	**.01759**	**-.00057**	**.20042**
Stddev	.00019	.00011	.00049	.028	.011	.00632	.00069	.01601
%RSD	19.445	37.505	3.4176	.05840	.02128	35.919	121.43	7.9904
#1	.00085	.00036	.01407	48.208	49.415	.02205	-.00008	.18909
#2	.00112	.00021	.01477	48.248	49.430	.01312	-.00106	.21174
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	None
Value								
Range								

Elem	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00106**	**49.734**	**.00017**	**.00603**	**.00051**	**.00212**	**.00745**
Stddev	.00007	.00007	.096	.00024	.00119	.00032	.00228	.00193
%RSD	12.550	6.6466	.19242	144.01	19.718	63.221	107.50	25.894
#1	.00062	-.00101	49.802	.00000	.00687	.00028	.00373	.00882
#2	.00052	-.00111	49.667	.00034	.00519	.00074	.00051	.00609
Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Sample Name: CCVH1 Acquired: 7/9/2007 13:12:11 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00927**	**.01984**	**.00195**	**.00041**	**4.8626**	**-.01030**	**-.00481**	**9.9801**
Stddev	.00168	.00359	.00002	.00008	.0010	.00047	.00032	.0085
%RSD	18.085	18.085	1.2354	20.816	.02067	4.5223	6.6300	.08525
#1	.01046	.02238	.00197	.00047	4.8619	-.01063	-.00504	9.9861
#2	.00809	.01731	.00193	.00035	4.8633	-.00997	-.00459	9.9741
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass
Value								
Range								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00815**	**.00462**	**.20362**
Stddev	.00018	.00007	.00231
%RSD	2.1712	1.4562	1.1355
#1	.00828	.00467	.20199
#2	.00803	.00458	.20526
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5272.6**	**37225.**	**4406.1**
Stddev	6.6	98.	7.2
%RSD	.12489	.26287	.16418
#1	5267.9	37156.	4411.2
#2	5277.2	37294.	4401.0

Sample Name: CCVL1 Acquired: 7/9/2007 13:16:50 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49589**	W **.52921**	**.98670**	**.49687**	**.50005**	**.49909**	**5.0044**
Stddev	.00191	.00022	.00452	.00056	.00007	.00224	.0235
%RSD	.38606	.04226	.45764	.11264	.01497	.44864	.46920
#1	.49454	.52937	.98351	.49727	.50010	.49751	4.9878
#2	.49725	.52905	.98990	.49648	.50000	.50067	5.0210
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000					
Range		5.0000%					

Elem	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49642**	**.50080**	**.49874**	**.49849**	**.51417**	**49.990**	**1.0101**
Stddev	.00066	.00065	.00121	.00056	.00118	.094	.0014
%RSD	.13313	.13004	.24188	.11179	.22958	.18796	.14148
#1	.49689	.50126	.49960	.49809	.51333	49.923	1.0091
#2	.49595	.50034	.49789	.49888	.51500	50.056	1.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.026**	**.49585**	**.49944**	**5.0486**	**.50189**	**.99771**	**.99903**
Stddev	.078	.00011	.00164	.0304	.00109	.00559	.00008
%RSD	.39011	.02319	.32779	.60207	.21632	.56001	.00769
#1	19.971	.49577	.50059	5.0271	.50113	1.0017	.99898
#2	20.081	.49593	.49828	5.0701	.50266	.99376	.99909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCVL1 Acquired: 7/9/2007 13:16:50 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0013**	**.98767**	**4.9483**	**10.589**	**1.0047**	**.50342**	**-.00176**
Stddev	.0004	.00150	.0307	.066	.0000	.00075	.00223
%RSD	.03890	.15190	.62004	.62004	.00213	.14966	126.74
#1	1.0010	.98661	4.9267	10.543	1.0047	.50289	-.00018
#2	1.0015	.98873	4.9700	10.636	1.0047	.50395	-.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value							
Range							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50001**	**1.0173**	**-.00989**	**.50100**	**.49710**	**.50277**
Stddev	.00016	.0005	.02431	.00091	.00031	.00083
%RSD	.03167	.05307	245.91	.18208	.06312	.16562
#1	.49989	1.0169	-.02708	.50165	.49688	.50219
#2	.50012	1.0177	.00731	.50036	.49732	.50336
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5314.2**	**37653.**	**4349.0**
Stddev	8.5	8.	7.9
%RSD	.15903	.02057	.18120
#1	5308.2	37647.	4354.6
#2	5320.1	37658.	4343.4

Sample Name: CCB Acquired: 7/9/2007 13:21:17 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00847**	**-.00099**	**-.00026**	**-.00015**	**-.00004**	**-.00255**	**-.00001**
Stddev	.00002	.00450	.00259	.00035	.00017	.00007	.00008	.00011
%RSD	5.1025	53.112	261.81	138.11	112.50	166.10	3.0912	1814.4
#1	-.00045	.01165	-.00282	-.00001	-.00003	.00001	-.00261	.00007
#2	-.00042	.00529	.00084	-.00051	-.00027	-.00009	-.00250	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00025**	**.00009**	F **.01097**	**.00389**	**-.00061**	**-.01073**	**-.00001**
Stddev	.00012	.00014	.00018	.00212	.01411	.00056	.01852	.00000
%RSD	276.38	57.252	199.10	19.326	362.45	91.891	172.55	3.1103
#1	.00013	.00015	-.00004	.01247	.01387	-.00022	-.02382	.00000
#2	-.00004	.00035	.00021	.00947	-.00608	-.00101	.00236	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000				
Low Limit				-.01000				

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.01512**	**.00131**	**-.00077**	**.00099**	**.00005**	**-.00007**	**.00085**
Stddev	.00004	.01323	.00062	.00155	.00037	.00098	.00131	.00186
%RSD	19.396	87.540	47.392	201.55	37.612	1888.5	1937.2	218.81
#1	.00026	.00576	.00175	-.00186	.00072	.00075	.00086	.00217
#2	.00020	.02447	.00087	.00033	.00125	-.00064	-.00099	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 7/9/2007 13:21:17 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**-.00010**	**.00000**	**.00023**	**.00028**	**.00132**	**.01204**	**.00021**
Stddev	.00399	.00024	.0001	.00238	.00004	.00020	.00216	.00027
%RSD	218.81	243.62	3835.4	1046.5	14.588	15.144	17.916	124.21
#1	.00464	-.00027	.00005	.00191	.00031	.00117	.01052	.00003
#2	-.00100	.00007	-.00005	-.00146	.00025	.00146	.01357	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00222**	**.00174**
Stddev	.00020	.00142
%RSD	8.7915	81.891
#1	.00208	.00073
#2	.00236	.00274
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5345.3**	**37960.**	**4341.7**
Stddev	8.5	65.	13.0
%RSD	.15929	.17232	.30043
#1	5351.3	38006.	4350.9
#2	5339.2	37914.	4332.5

Sample Name: J1MWK Acquired: 7/9/2007 13:26:19 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7175090

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.05573**	**.01349**	**.09050**	**.59948**	**-.00001**
Stddev	.00015	.00172	.00365	.00020	.00066	.00018
%RSD	43.396	3.0809	27.048	.22390	.11031	2409.9
#1	-.00044	.05451	.01091	.09036	.59901	-.00014
#2	-.00023	.05694	.01607	.09065	.59995	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.678**	**-.00003**	**.00308**	**.00057**	**.00124**	**27.412**
Stddev	.013	.00008	.00008	.00011	.00003	.079
%RSD	.02218	241.89	2.6294	18.883	2.0731	.28939
#1	58.688	.00002	.00302	.00049	.00126	27.356
#2	58.669	-.00009	.00313	.00064	.00122	27.468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8539**	**.00201**	**23.975**	**1.4460**	**.00098**	**13.214**
Stddev	.0159	.00173	.075	.0016	.00002	.305
%RSD	.32853	86.115	.31124	.11103	2.2998	2.3070
#1	4.8652	.00079	23.922	1.4449	.00097	13.429
#2	4.8426	.00324	24.028	1.4472	.00100	12.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1MWK Acquired: 7/9/2007 13:26:19 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7175090

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**.21104**	**.00045**	**-.00001**	**.00015**	**5.3638**
Stddev	.00013	.00063	.00071	.00100	.00052	.0019
%RSD	3.9188	.29888	158.84	7400.8	342.73	.03449
#1	.00327	.21059	.00095	-.00072	-.00022	5.3625
#2	.00346	.21149	-.00006	.00070	.00052	5.3651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.479**	**.00051**	**.17888**	**-.00538**	**.00081**	**-.00141**
Stddev	.004	.00027	.00048	.00217	.00065	.00145
%RSD	.03449	52.920	.26762	40.267	79.684	102.98
#1	11.476	.00070	.17854	-.00385	.00035	-.00244
#2	11.481	.00032	.17922	-.00691	.00127	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	**-.02236**	**.00138**	**.00533**	**.00282**
Stddev	.01695	.00002	.00007	.00150
%RSD	75.816	1.7393	1.3839	53.042
#1	-.03435	.00140	.00528	.00388
#2	-.01037	.00137	.00539	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: J1MWK Acquired: 7/9/2007 13:26:19 Type: Unk

Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment: 7175090

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5277.4	37270.	4390.2
Stddev	7.1	276.	15.2
%RSD	.13431	.73981	.34567
#1	5282.5	37465.	4379.5
#2	5272.4	37075.	4400.9

Sample Name: J15WPB Acquired: 7/9/2007 13:30:39 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	F **.10598**	**-.00088**	**.00123**	**.00099**	**-.00008**
Stddev	.00032	.00235	.00139	.00018	.00004	.00006
%RSD	4632.7	2.2210	158.24	15.048	4.0256	70.655
#1	.00023	.10431	-.00186	.00109	.00102	-.00004
#2	-.00022	.10764	.00010	.00136	.00096	-.00012
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.10000				
Low Limit		-.10000				

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05589**	**-.00001**	**.00003**	**.00075**	**.00158**	F **.10924**
Stddev	.00173	.00002	.00003	.00000	.00069	.00173
%RSD	3.1015	299.12	85.765	.01846	43.694	1.5792
#1	.05712	.00001	.00005	.00075	.00109	.10802
#2	.05467	-.00002	.00001	.00075	.00207	.11046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05676**	**-.00031**	**.03486**	**.00225**	**.00046**	**.02641**
Stddev	.04387	.00325	.00351	.00007	.00008	.00284
%RSD	77.286	1048.5	10.066	3.2570	17.767	10.739
#1	.08778	.00199	.03238	.00230	.00052	.02441
#2	.02574	-.00261	.03735	.00220	.00040	.02842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J15WPB Acquired: 7/9/2007 13:30:39 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	W **.00611**	**.00023**	**.00057**	**.00036**	F **.04701**
Stddev	.00009	.00145	.00222	.00213	.00127	.00537
%RSD	29.422	23.699	966.85	370.31	351.25	11.432
#1	.00035	.00713	-.00134	-.00093	.00126	.05081
#2	.00023	.00508	.00180	.00208	-.00054	.04321
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00500				.01000
Low Limit		-.00500				-.01000

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.10060**	**.00125**	**.00026**	**.00065**	**.00141**	**-.00031**
Stddev	.01150	.00032	.00009	.00002	.00001	.00251
%RSD	11.432	25.904	33.554	3.4488	.50624	808.31
#1	.10873	.00148	.00032	.00066	.00142	-.00209
#2	.09247	.00102	.00019	.00063	.00141	.00147
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000					
Low Limit	-.01000					

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	**.00603**	**-.00009**	**.00370**	**-.00002**
Stddev	.01723	.00003	.00009	.00228
%RSD	285.53	30.237	2.3553	12153.
#1	.01822	-.00011	.00364	-.00163
#2	-.00615	-.00007	.00376	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: J15WPB Acquired: 7/9/2007 13:30:39 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5443.4	38458.	4390.0
Stddev	4.8	93.	20.6
%RSD	.08787	.24055	.46883
#1	5440.1	38523.	4404.6
#2	5446.8	38392.	4375.4

Sample Name: J15WPC Acquired: 7/9/2007 13:35:21 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04910**	**1.9702**	F **.84763**	**.92442**	**1.8992**	**.04635**
Stddev	.00018	.0464	.05967	.00357	.0001	.00018
%RSD	.35983	2.3545	7.0394	.38611	.00362	.39598
#1	.04923	1.9374	.88983	.92694	1.8992	.04622
#2	.04898	2.0030	.80544	.92189	1.8991	.04648
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0900			
Low Limit			.86000			

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.733**	**.09260**	F **.44481**	**.17930**	**.23352**	**1.0847**
Stddev	.112	.00203	.00392	.00341	.00056	.0019
%RSD	.23874	2.1970	.88169	1.9046	.23870	.17015
#1	46.654	.09404	.44758	.18171	.23391	1.0860
#2	46.812	.09116	.44203	.17688	.23313	1.0834
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.55000			
Low Limit			.44500			

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.774**	**.93963**	**46.428**	**.45908**	F **.88084**	**48.002**
Stddev	.073	.00010	.143	.00047	.01483	.162
%RSD	.15298	.01105	.30704	.10323	1.6835	.33671
#1	47.722	.93955	46.529	.45874	.89133	48.117
#2	47.826	.93970	46.327	.45941	.87035	47.888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					1.1000	
Low Limit					.90000	

Sample Name: J15WPC Acquired: 7/9/2007 13:35:21 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45111**	**9.4844**	F **.44484**	**.44061**	**1.8925**	F **.97804**
Stddev	.00469	.0301	.01431	.02513	.0490	.01638
%RSD	1.0403	.31743	3.2178	5.7033	2.5911	1.6748
#1	.45443	9.5057	.45496	.45838	1.8578	.96645
#2	.44779	9.4631	.43472	.42284	1.9271	.98962
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit			.54500			11.500
Low Limit			.44500			9.4000

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0930**	**1.8541**	**.93865**	**.91136**	**.90427**	**1.7830**
Stddev	.0350	.0026	.00153	.00161	.00254	.0308
%RSD	1.6748	.13778	.16314	.17703	.28048	1.7245
#1	2.0682	1.8523	.93756	.91250	.90607	1.8047
#2	2.1178	1.8559	.93973	.91022	.90248	1.7613
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	24.610					
Low Limit	20.100					

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	**1.9729**	**.46488**	**.45145**	**.50182**
Stddev	.0037	.00090	.00027	.00301
%RSD	.18540	.19347	.05895	.59999
#1	1.9755	.46424	.45164	.50395
#2	1.9703	.46551	.45126	.49970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: J15WPC Acquired: 7/9/2007 13:35:21 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4821.6	36495.	4333.4
Stddev	78.3	454.	20.1
%RSD	1.6230	1.2435	.46464
#1	4876.9	36816.	4319.2
#2	4766.3	36174.	4347.6

Sample Name: J1XHL Acquired: 7/9/2007 13:39:48 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**88.169**	**.05976**	**.02306**	**.66060**	**.00175**
Stddev	.00011	.006	.00103	.00023	.00016	.00016
%RSD	17.478	.00666	1.7319	1.0175	.02466	9.2210
#1	-.00074	88.165	.05902	.02323	.66048	.00186
#2	-.00057	88.173	.06049	.02290	.66071	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.490**	**.00018**	**.04776**	**.09829**	**.08357**	**119.21**
Stddev	.028	.00012	.00030	.00007	.00021	.12
%RSD	.26462	68.710	.62222	.07014	.25208	.09820
#1	10.471	.00027	.04754	.09824	.08372	119.13
#2	10.510	.00009	.04797	.09834	.08343	119.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.980**	**.04062**	**16.117**	**2.1012**	**.00342**	**2.8426**
Stddev	.036	.00183	.006	.0045	.00017	.0025
%RSD	.20235	4.4938	.03429	.21192	5.0849	.08713
#1	17.954	.03933	16.113	2.1043	.00329	2.8409
#2	18.006	.04191	16.121	2.0980	.00354	2.8444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XHL Acquired: 7/9/2007 13:39:48 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04245**	**1.5901**	**.14827**	**-.00166**	**.00169**	**2.3842**
Stddev	.00032	.0026	.00143	.00094	.00053	.0232
%RSD	.74275	.16598	.96250	56.756	31.210	.97357
#1	.04268	1.5919	.14928	-.00232	.00131	2.3678
#2	.04223	1.5882	.14727	-.00099	.00206	2.4006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1022**	**.00968**	**.11035**	**.02793**	**2.4378**	**.00160**
Stddev	.0497	.00040	.00003	.00061	.0036	.00179
%RSD	.97357	4.0972	.02578	2.1815	.14861	111.79
#1	5.0671	.00940	.11033	.02750	2.4403	.00287
#2	5.1374	.00996	.11037	.02836	2.4352	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.22770**	**.30628**	**.26812**	**.04964**
Stddev	.01629	.00017	.00040	.00216
%RSD	7.1561	.05445	.15003	4.3526
#1	-.21618	.30639	.26841	.04812
#2	-.23923	.30616	.26784	.05117
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XHL Acquired: 7/9/2007 13:39:48 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5909.3	40903.	4957.1
Stddev	5.2	40.	11.5
%RSD	.08789	.09877	.23210
#1	5913.0	40874.	4965.2
#2	5905.6	40932.	4949.0

Sample Name: J1XHR Acquired: 7/9/2007 13:44:21 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**114.73**	**.04842**	**.02776**	**2.2529**	**.00208**
Stddev	.00014	.12	.00154	.00019	.0034	.00002
%RSD	53.731	.10888	3.1805	.67544	.14947	.87727
#1	-.00036	114.64	.04951	.02789	2.2505	.00209
#2	-.00016	114.82	.04733	.02762	2.2553	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.952**	**.00020**	**.04026**	**.10359**	**.11267**	**132.67**
Stddev	.013	.00011	.00004	.00002	.00032	.18
%RSD	.09270	55.926	.11024	.02210	.28776	.13560
#1	13.943	.00028	.04023	.10360	.11290	132.54
#2	13.961	.00012	.04029	.10357	.11244	132.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.384**	**.04636**	**20.349**	**1.7342**	**.00348**	**2.0005**
Stddev	.018	.00355	.056	.0047	.00005	.0032
%RSD	.10182	7.6615	.27466	.27066	1.4624	.16156
#1	17.372	.04887	20.309	1.7375	.00344	1.9982
#2	17.397	.04384	20.388	1.7309	.00351	2.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XHR Acquired: 7/9/2007 13:44:21 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04878**	**1.4371**	**.16697**	**-.00220**	**.00294**	**2.6764**
Stddev	.00020	.0037	.00077	.00088	.00183	.0355
%RSD	.41277	.25653	.46398	40.080	62.176	1.3279
#1	.04864	1.4397	.16752	-.00282	.00165	2.6513
#2	.04892	1.4345	.16642	-.00158	.00423	2.7016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.7276**	**.01093**	**.17984**	**.02895**	**2.1359**	**.00124**
Stddev	.0761	.00007	.00044	.00226	.0003	.00023
%RSD	1.3279	.62234	.24661	7.8023	.01343	18.891
#1	5.6738	.01088	.17953	.03055	2.1361	.00141
#2	5.7814	.01098	.18015	.02735	2.1357	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.21144**	**.26935**	**.30968**	**.06220**
Stddev	.01228	.00025	.00097	.00057
%RSD	5.8059	.09114	.31170	.90869
#1	-.22012	.26917	.31036	.06260
#2	-.20276	.26952	.30899	.06180
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XHR Acquired: 7/9/2007 13:44:21 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5959.0	41042.	4979.6
Stddev	16.0	57.	8.1
%RSD	.26890	.13854	.16299
#1	5947.7	41002.	4985.3
#2	5970.3	41082.	4973.9

Sample Name: J1XHT Acquired: 7/9/2007 13:48:54 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**93.450**	**.04796**	**.02773**	**.90778**	**.00181**
Stddev	.00054	.162	.00051	.00070	.00321	.00000
%RSD	387.57	.17299	1.0583	2.5105	.35361	.06555
#1	-.00024	93.564	.04832	.02724	.91005	.00181
#2	.00052	93.335	.04760	.02822	.90551	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.596**	**.00295**	**.05682**	**.13373**	**.24360**	**165.33**
Stddev	.005	.00000	.00041	.00035	.00054	.26
%RSD	.02484	.15360	.71576	.26296	.22319	.15584
#1	19.600	.00294	.05710	.13398	.24399	165.51
#2	19.593	.00295	.05653	.13348	.24322	165.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.626**	**.04837**	**18.375**	**2.9669**	**.01845**	**1.6713**
Stddev	.029	.00224	.083	.0162	.00009	.0177
%RSD	.15824	4.6212	.45173	.54737	.46686	1.0591
#1	18.646	.04995	18.434	2.9784	.01851	1.6838
#2	18.605	.04679	18.316	2.9554	.01839	1.6587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XHT Acquired: 7/9/2007 13:48:54 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12762**	**1.9235**	**.25953**	**-.00162**	**.00038**	**2.4294**
Stddev	.00074	.0057	.00043	.00161	.00251	.0024
%RSD	.57790	.29571	.16591	99.292	660.86	.09963
#1	.12710	1.9275	.25984	-.00048	.00216	2.4277
#2	.12815	1.9194	.25923	-.00276	-.00140	2.4311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1989**	**.02561**	**.16841**	**.01850**	**1.9598**	**-.00224**
Stddev	.0052	.00033	.00025	.00175	.0046	.00080
%RSD	.09963	1.2982	.14698	9.4830	.23609	35.498
#1	5.1952	.02585	.16823	.01726	1.9566	-.00281
#2	5.2025	.02538	.16858	.01974	1.9631	-.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.28286**	**.24848**	**.55955**	**.03657**
Stddev	.00797	.00096	.00094	.00001
%RSD	2.8164	.38671	.16829	.03757
#1	-.28849	.24780	.55888	.03658
#2	-.27723	.24916	.56021	.03656
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XHT Acquired: 7/9/2007 13:48:54 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5935.8	40987.	4945.4
Stddev	26.6	8.	15.9
%RSD	.44814	.02035	.32230
#1	5917.0	40993.	4956.7
#2	5954.7	40981.	4934.1

Sample Name: J1XHV Acquired: 7/9/2007 13:53:31 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**69.974**	**.05894**	**.01724**	**.95092**	**.00213**
Stddev	.00031	.192	.00144	.00053	.00179	.00009
%RSD	57.287	.27501	2.4346	3.0870	.18835	4.1366
#1	-.00076	70.110	.05793	.01686	.95219	.00219
#2	-.00032	69.838	.05996	.01761	.94965	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.301**	**.00026**	**.05414**	**.11109**	**.08459**	**109.73**
Stddev	.007	.00005	.00020	.00057	.00007	.12
%RSD	.06067	19.942	.36963	.51114	.08707	.10890
#1	11.296	.00022	.05428	.11149	.08464	109.81
#2	11.306	.00030	.05400	.11069	.08454	109.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.103**	**.03387**	**13.169**	**2.4405**	**.00388**	**1.3273**
Stddev	.053	.00017	.010	.0001	.00029	.0083
%RSD	.31150	.51477	.07537	.00444	7.4461	.62433
#1	17.141	.03374	13.176	2.4404	.00408	1.3331
#2	17.066	.03399	13.162	2.4405	.00367	1.3214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XHV Acquired: 7/9/2007 13:53:31 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04355**	**1.5451**	**.18956**	**.00028**	**.00065**	**2.2998**
Stddev	.00016	.0040	.00015	.00078	.00208	.0158
%RSD	.36813	.25657	.08098	278.57	321.46	.68801
#1	.04366	1.5479	.18946	-.00027	.00211	2.3110
#2	.04343	1.5423	.18967	.00083	-.00082	2.2886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9216**	**.00850**	**.10985**	**.03274**	**1.8907**	**-.00169**
Stddev	.0339	.00010	.00000	.00116	.0014	.00021
%RSD	.68801	1.1249	.00026	3.5464	.07452	12.366
#1	4.9456	.00843	.10985	.03192	1.8917	-.00154
#2	4.8977	.00857	.10985	.03356	1.8897	-.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.17464**	**.39509**	**.23416**	**.02911**
Stddev	.00813	.00026	.00100	.00061
%RSD	4.6553	.06558	.42565	2.1107
#1	-.18039	.39527	.23346	.02954
#2	-.16889	.39490	.23487	.02867
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XHV Acquired: 7/9/2007 13:53:31 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6050.6	41843.	5032.7
Stddev	20.5	16.	31.2
%RSD	.33836	.03927	.61978
#1	6036.2	41855.	5010.6
#2	6065.1	41832.	5054.7

Sample Name: J1XHX Acquired: 7/9/2007 13:58:04 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**70.979**	**.03631**	**.01513**	**.36397**	**.00080**
Stddev	.00005	.055	.00017	.00084	.00054	.00003
%RSD	18.691	.07807	.46935	5.5316	.14888	3.9789
#1	-.00023	71.018	.03643	.01572	.36435	.00078
#2	-.00030	70.939	.03619	.01454	.36358	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7161**	**.00021**	**.04358**	**.06514**	**.08813**	**120.94**
Stddev	.0324	.00000	.00004	.00019	.00041	.19
%RSD	.33306	.27653	.09333	.29049	.46330	.15580
#1	9.6932	.00021	.04361	.06500	.08784	121.08
#2	9.7390	.00021	.04355	.06527	.08842	120.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.231**	**.04347**	**13.428**	**1.4409**	**.00265**	**.61118**
Stddev	.039	.00124	.019	.0005	.00025	.00893
%RSD	.21160	2.8593	.14168	.03301	9.4846	1.4619
#1	18.258	.04259	13.415	1.4413	.00247	.61750
#2	18.203	.04435	13.441	1.4406	.00283	.60486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XHX Acquired: 7/9/2007 13:58:04 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03301**	**1.3451**	**.14944**	**-.00042**	**.00018**	**2.0310**
Stddev	.00025	.0053	.00027	.00207	.00231	.0018
%RSD	.74222	.39197	.18398	494.14	1305.6	.08821
#1	.03284	1.3413	.14964	.00104	-.00146	2.0322
#2	.03318	1.3488	.14925	-.00188	.00181	2.0297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3463**	**.00923**	**.09643**	**.00626**	**2.8893**	**-.00102**
Stddev	.0038	.00031	.00028	.00064	.0109	.00048
%RSD	.08821	3.3444	.28555	10.167	.37643	47.164
#1	4.3490	.00901	.09623	.00671	2.8816	-.00136
#2	4.3436	.00945	.09662	.00581	2.8970	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.19859**	**.29039**	**.29685**	**.02433**
Stddev	.01168	.00016	.00084	.00213
%RSD	5.8796	.05678	.28449	8.7682
#1	-.19034	.29027	.29625	.02282
#2	-.20685	.29051	.29744	.02584
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XHX Acquired: 7/9/2007 13:58:04 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5926.1	40942.	4934.0
Stddev	2.2	14.	4.5
%RSD	.03684	.03335	.09095
#1	5927.7	40933.	4930.9
#2	5924.6	40952.	4937.2

Sample Name: J1XH0 Acquired: 7/9/2007 14:02:36 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**66.948**	**.02781**	**.01328**	**.54340**	**.00133**
Stddev	.00051	.015	.00171	.00017	.00028	.00003
%RSD	259.48	.02247	6.1394	1.2962	.05174	2.5111
#1	.00016	66.958	.02902	.01340	.54360	.00130
#2	-.00055	66.937	.02660	.01316	.54320	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.407**	**-.00003**	**.03367**	**.05782**	**.05546**	**86.910**
Stddev	.009	.00007	.00005	.00001	.00087	.139
%RSD	.07904	198.64	.14557	.01456	1.5722	.16019
#1	11.401	.00001	.03363	.05781	.05608	87.008
#2	11.414	-.00008	.03370	.05782	.05485	86.811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.188**	**.04130**	**13.407**	**2.1685**	**.00194**	**.88053**
Stddev	.038	.00038	.058	.0019	.00028	.01532
%RSD	.26890	.91556	.42984	.08840	14.475	1.7400
#1	14.161	.04103	13.448	2.1699	.00175	.86970
#2	14.215	.04157	13.366	2.1672	.00214	.89137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH0 Acquired: 7/9/2007 14:02:36 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02817**	**.94901**	**.09671**	**.00017**	**-.00237**	**2.1371**
Stddev	.00020	.00070	.00078	.00001	.00067	.0127
%RSD	.72265	.07357	.80272	7.4279	28.122	.59636
#1	.02803	.94852	.09726	.00017	-.00284	2.1281
#2	.02831	.94951	.09616	.00016	-.00190	2.1461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5735**	**.00669**	**.10771**	**.02441**	**1.9466**	**-.00285**
Stddev	.0273	.00037	.00061	.00182	.0040	.00019
%RSD	.59636	5.5927	.56776	7.4571	.20462	6.7599
#1	4.5542	.00695	.10727	.02570	1.9495	-.00272
#2	4.5927	.00642	.10814	.02312	1.9438	-.00299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.13189**	**.20781**	**.19165**	**.02715**
Stddev	.01744	.00024	.00131	.00141
%RSD	13.221	.11583	.68283	5.2066
#1	-.14422	.20764	.19257	.02815
#2	-.11956	.20798	.19072	.02615
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XH0 Acquired: 7/9/2007 14:02:36 Type: Unk

Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5910.2	40831.	4929.8
Stddev	2.2	166.	43.5
%RSD	.03677	.40587	.88258
#1	5911.7	40714.	4899.0
#2	5908.7	40948.	4960.5

Sample Name: CCVH1 Acquired: 7/9/2007 14:07:08 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01016**	**48.328**	**-.00634**	**.00019**	**-.00018**	**-.00014**	**.02650**	**-.00102**
Stddev	.00045	.387	.00187	.00013	.00020	.00001	.00392	.00010
%RSD	4.3957	.79975	29.425	68.336	115.19	7.3918	14.803	9.4952
#1	.00984	48.601	-.00502	.00029	-.00003	-.00013	.02927	-.00109
#2	.01047	48.055	-.00766	.00010	-.00032	-.00014	.02373	-.00095
Check ?	None	Chk Pass	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00013**	**.01375**	**47.582**	**48.889**	**.01497**	**.00068**	**.19004**
Stddev	.00005	.00002	.00025	.398	.396	.00154	.00112	.01523
%RSD	5.0984	12.020	1.7825	.83611	.80904	10.302	166.53	8.0168
#1	.00100	.00014	.01358	47.863	49.169	.01606	-.00012	.17927
#2	.00093	.00012	.01392	47.301	48.609	.01388	.00147	.20081
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	None
Value								
Range								

Elem	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**-.00083**	**49.116**	**-.00006**	**.00259**	**.00037**	**.00415**	**.00556**
Stddev	.00006	.00017	.219	.00018	.00099	.00024	.00025	.00165
%RSD	7.2127	20.910	.44568	311.85	38.101	66.272	6.0604	29.776
#1	.00081	-.00071	49.271	.00007	.00189	.00019	.00433	.00673
#2	.00090	-.00096	48.962	-.00019	.00329	.00054	.00398	.00439
Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Sample Name: CCVH1 Acquired: 7/9/2007 14:07:08 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.00770**	**.00048**	**.00038**	**4.8276**	**-.00868**	**-.00541**	**9.9052**
Stddev	.01309	.02801	.00024	.00018	.0029	.00031	.00224	.0165
%RSD	363.87	363.87	50.936	48.423	.06000	3.5730	41.363	.16639
#1	.01285	.02750	.00030	.00051	4.8297	-.00846	-.00700	9.9169
#2	-.00566	-.01211	.00065	.00025	4.8256	-.00889	-.00383	9.8936
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass
Value								
Range								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00808**	**.00337**	**.19633**
Stddev	.00027	.00008	.00881
%RSD	3.3227	2.5172	4.4851
#1	.00789	.00343	.20256
#2	.00827	.00331	.19011
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5339.2**	**37567.**	**4440.0**
Stddev	5.8	182.	1.1
%RSD	.10851	.48571	.02457
#1	5343.3	37696.	4439.2
#2	5335.1	37438.	4440.8

Sample Name: CCVL1 Acquired: 7/9/2007 14:11:45 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49359**	**.54292**	**.98087**	**.49220**	**.49401**	**.49415**	**4.9446**	**.48953**	**.49536**
Stddev	.00134	.00137	.00315	.00169	.00122	.00116	.0041	.00021	.00024
%RSD	.27240	.25293	.32074	.34287	.24777	.23478	.08270	.04337	.04871
#1	.49264	.54195	.97865	.49100	.49315	.49333	4.9475	.48968	.49519
#2	.49454	.54389	.98309	.49339	.49488	.49497	4.9417	.48938	.49553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49188**	**.49309**	**.51771**	**49.491**	**.99549**	**19.683**	**.49036**	**.49332**	**4.9198**
Stddev	.00079	.00110	.00152	.115	.00085	.041	.00000	.00018	.0131
%RSD	.16065	.22209	.29445	.23217	.08577	.21029	.00031	.03578	.26693
#1	.49244	.49232	.51878	49.410	.99609	19.654	.49036	.49320	4.9105
#2	.49133	.49387	.51663	49.573	.99488	19.713	.49036	.49345	4.9291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49888**	**.98794**	**.98494**	**.98703**	**.97111**	**4.9092**	**10.506**	**.99147**	**.49826**
Stddev	.00061	.00157	.00210	.00047	.00442	.0227	.049	.00033	.00089
%RSD	.12232	.15897	.21309	.04769	.45511	.46197	.46197	.03306	.17812
#1	.49845	.98683	.98345	.98670	.96798	4.8931	10.471	.99170	.49763
#2	.49931	.98905	.98642	.98736	.97423	4.9252	10.540	.99124	.49888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCVL1 Acquired: 7/9/2007 14:11:45 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**.49693**	**1.0144**	**.01782**	**.49832**	**.49369**	**.49798**
Stddev	.00076	.00107	.0016	.01359	.00248	.00073	.00348
%RSD	56.372	.21602	.15839	76.269	.49863	.14825	.69876
#1	.00189	.49618	1.0133	.02743	.49656	.49318	.50044
#2	.00081	.49769	1.0156	.00821	.50008	.49421	.49552
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5337.4**	**37649.**	**4381.4**
Stddev	2.2	60.	3.4
%RSD	.04126	.16031	.07661
#1	5338.9	37606.	4383.7
#2	5335.8	37692.	4379.0

Sample Name: CCB Acquired: 7/9/2007 14:16:13 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00709**	**-.00098**	**-.00047**	**.00020**	**.00003**	**-.00183**	**-.00005**
Stddev	.00050	.00136	.00332	.00001	.00021	.00003	.00246	.00001
%RSD	247.02	19.239	340.11	1.3521	105.85	77.396	134.48	22.391
#1	-.00056	.00805	-.00333	-.00047	.00035	.00002	-.00009	-.00006
#2	.00015	.00612	.00137	-.00048	.00005	.00005	-.00356	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00025**	**.00018**	F **.01390**	**.01722**	**-.00210**	**-.00704**	**.00014**
Stddev	.00009	.00013	.00050	.00184	.01053	.00062	.02543	.00002
%RSD	380.31	53.110	275.20	13.202	61.168	29.757	361.14	14.009
#1	-.00009	.00034	-.00017	.01520	.02467	-.00254	-.02502	.00016
#2	.00004	.00015	.00054	.01260	.00977	-.00166	.01094	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000				
Low Limit				-.01000				

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.06117**	**.00028**	**-.00034**	**.00002**	**.00053**	**.00148**	**.00606**
Stddev	.00010	.01766	.00008	.00017	.00051	.00053	.00070	.02524
%RSD	21.692	28.867	29.263	49.916	2431.4	99.570	47.416	416.29
#1	.00052	-.07365	.00022	-.00022	-.00034	.00016	.00197	.02391
#2	.00038	-.04868	.00034	-.00046	.00038	.00091	.00098	-.01178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 7/9/2007 14:16:13 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01297**	**-.00013**	**.00006**	**-.00088**	**.00009**	**-.00045**	**.04312**	**.00043**
Stddev	.05401	.00044	.00005	.00069	.00006	.00042	.01623	.00034
%RSD	416.29	350.51	82.039	78.312	67.344	92.022	37.643	77.848
#1	.05117	-.00044	.00002	-.00136	.00013	-.00075	.05460	.00067
#2	-.02522	.00019	.00009	-.00039	.00005	-.00016	.03165	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00092**	**.00217**
Stddev	.00010	.00129
%RSD	11.020	59.421
#1	.00084	.00126
#2	.00099	.00309
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5393.5	37955.	4350.0
Stddev	5.3	79.	5.2
%RSD	.09745	.20914	.12058
#1	5389.8	37899.	4353.8
#2	5397.2	38011.	4346.3

Sample Name: J1XH1 Acquired: 7/9/2007 14:20:54 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**68.181**	**.02941**	**.01429**	**.53761**	**.00148**
Stddev	.00017	.109	.00041	.00023	.00095	.00008
%RSD	79.614	.16054	1.3938	1.6445	.17616	5.6178
#1	-.00034	68.104	.02970	.01445	.53694	.00142
#2	-.00010	68.259	.02912	.01412	.53828	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.244**	**.00002**	**.03173**	**.05976**	**.05272**	**95.100**
Stddev	.032	.00012	.00015	.00016	.00017	.494
%RSD	.28601	699.12	.47023	.27595	.32358	.51923
#1	11.222	-.00007	.03184	.05987	.05260	94.751
#2	11.267	.00010	.03163	.05964	.05285	95.450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.649**	**.04044**	**13.656**	**2.2366**	**.00199**	**.89674**
Stddev	.033	.00020	.034	.0030	.00013	.01594
%RSD	.22374	.50433	.24807	.13561	6.7770	1.7776
#1	14.626	.04059	13.632	2.2388	.00208	.88547
#2	14.672	.04030	13.680	2.2345	.00189	.90801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH1 Acquired: 7/9/2007 14:20:54 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02750**	**1.0836**	**.08601**	**-.00074**	**-.00036**	**2.5127**
Stddev	.00024	.0013	.00012	.00100	.00047	.0124
%RSD	.87243	.11833	.13984	135.30	131.12	.49419
#1	.02733	1.0845	.08593	-.00003	-.00070	2.5039
#2	.02767	1.0827	.08610	-.00145	-.00003	2.5215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3771**	**.00748**	**.10716**	**.01147**	**2.0037**	**-.00147**
Stddev	.0266	.00051	.00042	.00054	.0008	.00121
%RSD	.49419	6.8778	.38909	4.7258	.03988	82.481
#1	5.3583	.00784	.10686	.01186	2.0043	-.00233
#2	5.3959	.00712	.10745	.01109	2.0031	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.18014**	**.21520**	**.19471**	**.01858**
Stddev	.01890	.00054	.00050	.00067
%RSD	10.494	.25100	.25450	3.6309
#1	-.19351	.21558	.19507	.01905
#2	-.16677	.21482	.19436	.01810
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XH1 Acquired: 7/9/2007 14:20:54 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5994.8	41248.	4949.2
Stddev	12.4	130.	10.8
%RSD	.20679	.31412	.21890
#1	5986.1	41156.	4956.8
#2	6003.6	41339.	4941.5

Sample Name: J1XH1P5 Acquired: 7/9/2007 14:25:31 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**15.398**	**.00651**	**.00265**	**.12107**	**.00025**
Stddev	.00068	.008	.00163	.00055	.00022	.00005
%RSD	92.501	.05234	24.987	20.663	.18169	19.529
#1	-.00122	15.403	.00766	.00226	.12092	.00022
#2	-.00026	15.392	.00536	.00304	.12123	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5452**	**-.00006**	**.00721**	**.01344**	**.01155**	**20.789**
Stddev	.0054	.00003	.00004	.00027	.00027	.001
%RSD	.21257	40.138	.53413	2.0231	2.3170	.00533
#1	2.5414	-.00008	.00724	.01325	.01136	20.789
#2	2.5490	-.00005	.00718	.01364	.01174	20.790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2810**	**.00942**	**3.0949**	**.49775**	**.00050**	**.14994**
Stddev	.0317	.00385	.0005	.00001	.00011	.01442
%RSD	.96675	40.893	.01673	.00166	22.011	9.6205
#1	3.3034	.01215	3.0952	.49775	.00058	.16014
#2	3.2586	.00670	3.0945	.49776	.00042	.13974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH1P5 Acquired: 7/9/2007 14:25:31 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00610**	**.24014**	**.01951**	**-.00133**	**.00008**	**.67990**
Stddev	.00002	.00227	.00062	.00092	.00151	.00910
%RSD	.24705	.94706	3.1971	68.835	1917.3	1.3385
#1	.00609	.24175	.01996	-.00198	.00115	.67347
#2	.00612	.23853	.01907	-.00069	-.00099	.68634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4550**	**.00156**	**.02407**	**.00497**	**.44141**	**.00014**
Stddev	.0195	.00041	.00010	.00228	.00111	.00008
%RSD	1.3385	26.260	.41574	45.932	.25201	55.378
#1	1.4412	.00184	.02414	.00658	.44219	.00020
#2	1.4688	.00127	.02400	.00335	.44062	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	**-.02963**	**.04735**	**.04474**	**.00438**
Stddev	.02134	.00043	.00009	.00103
%RSD	72.029	.89888	.20712	23.465
#1	-.04471	.04765	.04481	.00365
#2	-.01454	.04705	.04468	.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: J1XH1P5 Acquired: 7/9/2007 14:25:31 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5535.7	38876.	4526.2
Stddev	16.2	59.	11.4
%RSD	.29228	.15095	.25236
#1	5547.1	38835.	4534.3
#2	5524.2	38918.	4518.1

STL Denver

SERIAL DILUTION

Method: 6010 (ICP Metals) 6500_025 Reported: 07/10/07 10:39:12

Department: 090 (Metals) Source: MetEdit

Sample: **J1XH1P5** Serial Dilution: **5.00** Sample Dilution: **1.00**

Instrument: **6500_025** Channel 261
File: 25A070907 # 71 Method 6010D
Acquired: 07/09/2007 14:25:31 6500_025 Matrix: SOLID
Calibrated: 07/09/2007 08:20:13 Units: ppm

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7440-22-4	Silver	328	-0	-0.00370	-0.00022			*	
7429-90-5	Aluminum	309	15	76.990	68.181	12.9	0.049	E	☐
7440-38-2	Arsenic	189	0	0.03255	0.02941	10.7		*	
7440-42-8	Boron	209	0	0.01325	0.01429	7.28		*	
7440-39-3	Barium	455	0	0.60535	0.53761	12.6		*	
7440-41-7	Beryllium	313	0	0.00125	0.00148	15.5		*	
7440-70-2	Calcium	318	3	12.726	11.244	13.2	0.14	E	☐ pns dc
7440-43-9	Cadmium	229	-0	-0.00030	0.00002	1600		*	
7440-48-4	Cobalt	229	0	0.03605	0.03173	13.6		*	
7440-47-3	Chromium	206	0	0.06720	0.05976	12.4		*	
7440-50-8	Copper	325	0	0.05775	0.05272	9.54		*	
7439-89-6	Iron	260	21	103.95	95.1 0	9.3	0.038	NC	☑
7440-09-7	Potassium	766	3	16.405	14.649	12.0	0.41	NC	☑
7439-93-2	Lithium	671	0	0.04710	0.04044	16.5		*	
7439-95-4	Magnesium	279	3	15.474	13.656	13.3	0.037	E	☐ pns dc
7439-96-5	Manganese	258	0	2.4888	2.2366	11.3		*	
7439-98-7	Molybdenum	202	0	0.00250	0.00199	25.6		*	
7440-23-5	Sodium	590	0	0.74970	0.89674	16.4	0.59	NC	☑
7440-02-0	Nickel	232	0	0.03050	0.02750	10.9		*	
7723-14-0	Total phosphorus	178	0	1.2007	1.0836	10.8		*	
7439-92-1	Lead	220	0	0.09755	0.08601	13.4		*	
7440-36-0	Antimony	207	-0	-0.00665	-0.00074			*	
7782-49-2	Selenium	196	0	0.00040	-0.00036			*	
7440-21-3	Si	288	1	3.3995	2.5127	35.3		*	
10-89-9	Silica	288	1	7.2750	5.3771	35.3		*	
7440-31-5	Tin	190	0	0.00780	0.00748	4.28		*	
7440-24-6	Strontium	408	0	0.12035	0.10716	12.3	0.00064	E	☐ pns 02
7440-29-1	Thorium	284	0	0.02485	0.01147	117		*	
7440-32-6	Titanium	335	0	2.2071	2.0037	10.1	0.0014	E	☐ 02
7440-28-0	Thallium	191	0	0.00070	-0.00147			*	
7440-61-1	Uranium	370	-0	-0.14815	-0.18014			*	
7440-62-2	Vanadium	292	0	0.23675	0.21520	10.0		*	
7440-66-6	Zinc	206	0	0.22370	0.19471	14.9		*	
7440-67-7	Zirconium	339	0	0.02190	0.01858	17.9		*	
7439-89-6	Iron			0	95.100	100	0.038	NC	☑

CASN	ISTD Name	M/S	Area	Amount	Q
7440-65-5	Yttrium	224	5536	103.20	☑
7440-65-5	Yttrium	360	38876	102.42	☑
7440-65-5	Yttrium	377	4526	104.38	☑

* Analyte not requested for this batch, no MDL

NC : Undiluted Result < 50 X MDL

Reviewed by: [signature] Date: 7/10/07

Sample Name: J1XH1S Acquired: 7/9/2007 14:30:12 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04508**	**115.28**	**.85929**	**.83581**	**2.2709**	**.04227**
Stddev	.00037	.25	.00159	.00058	.0062	.00041
%RSD	.83135	.21849	.18514	.06981	.27252	.96607
#1	.04481	115.45	.86041	.83540	2.2753	.04198
#2	.04534	115.10	.85816	.83623	2.2665	.04256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.122**	**.08329**	**.42910**	**.23464**	**.27592**	**111.28**
Stddev	.040	.00014	.00004	.00019	.00071	.14
%RSD	.07307	.17238	.00921	.07906	.25827	.12421
#1	55.093	.08339	.42907	.23477	.27542	111.38
#2	55.150	.08318	.42913	.23451	.27643	111.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.675**	**.88915**	**57.379**	**2.6531**	**.76576**	**43.234**
Stddev	.100	.00460	.101	.0262	.00111	.046
%RSD	.16775	.51729	.17673	.98701	.14471	.10566
#1	59.746	.89240	57.307	2.6346	.76498	43.266
#2	59.604	.88590	57.451	2.6716	.76655	43.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH1S Acquired: 7/9/2007 14:30:12 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43459**	**9.0825**	**.50056**	**.24636**	**1.5987**	**4.3190**
Stddev	.00009	.0056	.00099	.00011	.0011	.0098
%RSD	.02170	.06136	.19685	.04559	.06778	.22695
#1	.43466	9.0786	.50125	.24644	1.5995	4.3121
#2	.43453	9.0865	.49986	.24628	1.5979	4.3259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.2427**	**1.5889**	**.97055**	**.83037**	**3.8155**	**1.6024**
Stddev	.0210	.0009	.00392	.00030	.0151	.0016
%RSD	.22695	.05497	.40435	.03642	.39558	.10009
#1	9.2278	1.5895	.96778	.83016	3.8049	1.6013
#2	9.2575	1.5883	.97333	.83059	3.8262	1.6035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	**1.6438**	**.69362**	**.62724**	**.47139**
Stddev	.0043	.00280	.00077	.00364
%RSD	.25869	.40345	.12310	.77132
#1	1.6468	.69164	.62669	.46882
#2	1.6407	.69560	.62779	.47396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: J1XH1S Acquired: 7/9/2007 14:30:12 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5792.3	39923.	4883.5
Stddev	8.1	93.	43.1
%RSD	.14013	.23408	.88350
#1	5798.1	39989.	4853.0
#2	5786.6	39857.	4914.0

Sample Name: J1XH1D Acquired: 7/9/2007 14:34:45 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04648**	**104.79**	**.87971**	**.86360**	**2.2759**	**.04338**
Stddev	.00034	.21	.00109	.00049	.0067	.00020
%RSD	.72563	.20084	.12337	.05655	.29660	.47248
#1	.04625	104.94	.87894	.86325	2.2807	.04323
#2	.04672	104.64	.88047	.86394	2.2711	.04352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.131**	**.08630**	**.43788**	**.23498**	**.27744**	**98.709**
Stddev	.020	.00000	.00060	.00044	.00012	.337
%RSD	.03552	.00402	.13750	.18714	.04296	.34118
#1	55.117	.08629	.43746	.23529	.27736	98.947
#2	55.145	.08630	.43831	.23467	.27753	98.471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.849**	**.91233**	**57.074**	**2.4679**	**.79467**	**44.667**
Stddev	.144	.00348	.082	.0041	.00044	.487
%RSD	.24083	.38188	.14401	.16517	.05550	1.0893
#1	59.951	.91480	57.016	2.4708	.79498	45.011
#2	59.747	.90987	57.132	2.4651	.79436	44.323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH1D Acquired: 7/9/2007 14:34:45 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44795**	**9.2281**	**.50064**	**.26828**	**1.6562**	**3.9996**
Stddev	.00084	.0128	.00027	.00085	.0069	.0031
%RSD	.18795	.13885	.05472	.31732	.41565	.07787
#1	.44735	9.2372	.50083	.26888	1.6514	3.9974
#2	.44855	9.2191	.50044	.26767	1.6611	4.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5591**	**1.6440**	**.99007**	**.85415**	**3.4992**	**1.6619**
Stddev	.0067	.0010	.00074	.00444	.0036	.0024
%RSD	.07787	.06260	.07481	.51987	.10235	.14181
#1	8.5544	1.6433	.99059	.85729	3.5018	1.6636
#2	8.5638	1.6448	.98954	.85101	3.4967	1.6602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	**1.6378**	**.67309**	**.62629**	**.47775**
Stddev	.0184	.00060	.00223	.00237
%RSD	1.1227	.08909	.35559	.49688
#1	1.6248	.67266	.62786	.47607
#2	1.6508	.67351	.62471	.47942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: J1XH1D Acquired: 7/9/2007 14:34:45 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5754.0	39404.	4846.7
Stddev	2.7	10.	18.5
%RSD	.04708	.02477	.38105
#1	5756.0	39411.	4833.7
#2	5752.1	39397.	4859.8

Sample Name: J1XH1Z Acquired: 7/9/2007 14:39:12 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03994**	**67.917**	**.20873**	**.10381**	**.61547**	**.04567**
Stddev	.00069	.103	.00034	.00077	.00047	.00004
%RSD	1.7393	.15139	.16179	.74599	.07577	.08437
#1	.04043	67.989	.20849	.10435	.61514	.04565
#2	.03945	67.844	.20897	.10326	.61580	.04570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.812**	**.04376**	**.07447**	**.10167**	**.09726**	**94.109**
Stddev	.097	.00003	.00012	.00027	.00003	.021
%RSD	.33589	.06794	.16698	.26411	.03406	.02185
#1	28.880	.04374	.07456	.10186	.09729	94.123
#2	28.743	.04378	.07439	.10148	.09724	94.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.113**	**.12957**	**31.130**	**2.2244**	**.04387**	**19.092**
Stddev	.013	.00165	.090	.0016	.00021	.220
%RSD	.03936	1.2771	.28931	.07346	.47659	1.1533
#1	32.104	.12840	31.194	2.2232	.04402	18.936
#2	32.122	.13074	31.066	2.2255	.04372	19.248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH1Z Acquired: 7/9/2007 14:39:12 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07141**	**2.7969**	**.17246**	**.08792**	**.17625**	**6.7901**
Stddev	.00031	.0016	.00117	.00099	.00094	.0219
%RSD	.42896	.05573	.67827	1.1317	.53215	.32220
#1	.07162	2.7980	.17163	.08862	.17559	6.8056
#2	.07119	2.7958	.17329	.08721	.17692	6.7747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.531**	**.08739**	**.15187**	**.19303**	**2.0507**	**.18090**
Stddev	.047	.00027	.00011	.00145	.0013	.00158
%RSD	.32220	.31162	.07213	.75059	.06449	.87121
#1	14.564	.08758	.15195	.19405	2.0516	.17978
#2	14.498	.08720	.15179	.19200	2.0498	.18201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	**.32456**	**.26167**	**.37517**	**.06864**
Stddev	.02480	.00087	.00054	.00120
%RSD	7.6417	.33135	.14286	1.7497
#1	.34210	.26228	.37479	.06779
#2	.30702	.26105	.37554	.06949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: J1XH1Z Acquired: 7/9/2007 14:39:12 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5930.3	40858.	4934.6
Stddev	8.0	52.	19.1
%RSD	.13529	.12742	.38621
#1	5924.6	40821.	4948.1
#2	5936.0	40895.	4921.2

Limits 75-125%

STL Denver

SAMPLE SPIKE

Method: 6010 (ICP Metals) 6500_025 Reported: 07/10/07 10:39:18

Department: 090 (Metals) Source: MetEdit

Sample: **J1XH1Z** Spike Dilution: **1.00** Sample Dilution: **1.00**

Instrument: **6500_025** Channel 261
File: 25A070907 # 74 Method 6010D
Acquired: 07/09/2007 14:39:12 6500_025 Matrix: SOLID
Calibrated: 07/09/2007 08:20:13 Units: ppm

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7440-22-4	Silver	328	0	0.03994	-0.00022	79.9	0.0500		☑
7429-90-5	Aluminum	309	68	67.917	68.181	0.00	1.00	*	☐
7440-38-2	Arsenic	189	0	0.20873	0.02941	89.7	0.200		☑
7440-42-8	Boron	209	0	0.10381	0.01429	89.5	0.100		☑
7440-39-3	Barium	455	1	0.61547	0.53761	77.9	0.100	*	☑
7440-41-7	Beryllium	313	0	0.04567	0.00148	88.4	0.0500		☑
7440-70-2	Calcium	318	29	28.812	11.244	87.8	20.0		☑
7440-43-9	Cadmium	229	0	0.04376	0.00002	87.5	0.0500		☑
7440-48-4	Cobalt	229	0	0.07447	0.03173	85.5	0.0500		☑
7440-47-3	Chromium	206	0	0.10167	0.05976	83.8	0.0500		☑
7440-50-8	Copper	325	0	0.09726	0.05272	89.1	0.0500		☑
7439-89-6	Iron	271	94	94.109	95.100	0.00	1.00	*	☐
7440-09-7	Potassium	766	32	32.113	14.649	87.3	20.0		☑
7439-93-2	Lithium	671	0	0.12957	0.04044	89.1	0.100		☑
7439-95-4	Magnesium	279	31	31.130	13.656	87.4	20.0		☑
7439-96-5	Manganese	258	2	2.2244	2.2366	0.00	0.0500	*	☐
7439-98-7	Molybdenum	202	0	0.04387	0.00199	83.8	0.0500		☑
7440-23-5	Sodium	818	19	19.092	0.89674	91 ~~85.5~~	20.0		☑
7440-02-0	Nickel	232	0	0.07141	0.02750	87.8	0.0500		☑
7723-14-0	Total phosphorus	178	3	2.7969	1.0836	85.7	2.00		☑
7439-92-1	Lead	220	0	0.17246	0.08601	86.4	0.100		☑
7440-36-0	Antimony	207	0	0.08792	-0.00074	87.9	0.100		☑
7782-49-2	Selenium	196	0	0.17625	-0.00036	88.1	0.200		☑
7440-21-3	Si	288	7	6.7901	2.5127	85.5	5.00		☑
10-89-9	Silica	288	15	14.531	5.3771	85.6	10.7		☑
7440-31-5	Tin	190	0	0.08739	0.00748	79.9	0.100		☑
7440-24-6	Strontium	408	0	0.15187	0.10716	89.4	0.0500		☑
7440-29-1	Thorium	284	0	0.19303	0.01147	90.8	0.200		☑
7440-32-6	Titanium	335	2	2.0507	2.0037	94.0	0.0500	*	☑
7440-28-0	Thallium	191	0	0.18090	-0.00147	90.4	0.200		☑
7440-61-1	Uranium	370	0	0.32456	-0.18014	64.9	0.500		☑
7440-62-2	Vanadium	292	0	0.26167	0.21520	92.9	0.0500	*	☑
7440-66-6	Zinc	206	0	0.37517	0.19471	90.2	0.200		☑
7440-67-7	Zirconium	339	0	0.06864	0.01858	100	0.0500		☑
7440-23-5	Sodium			0	0.89674				

CASN	ISTD Name	M/S	Area	Amount	Q
7440-65-5	Yttrium	224	5930	110.56	☑
7440-65-5	Yttrium	360	40858	107.64	☑
7440-65-5	Yttrium	377	4935	113.80	☑

Reviewed by: Date: 7/10/07

Sample Name: J1XH4 Acquired: 7/9/2007 14:43:45 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**125.87**	**.05526**	**.02799**	**.62697**	**.00175**
Stddev	.00018	.02	.00016	.00036	.00104	.00008
%RSD	145.32	.01978	.29158	1.2977	.16578	4.5183
#1	-.00025	125.88	.05514	.02774	.62771	.00181
#2	.00000	125.85	.05537	.02825	.62624	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.572**	**.00034**	**.04514**	**.09631**	**.11655**	**187.50**
Stddev	.061	.00001	.00042	.00003	.00023	.23
%RSD	.36857	2.3213	.92635	.03241	.20143	.12188
#1	16.529	.00034	.04544	.09633	.11638	187.66
#2	16.615	.00035	.04484	.09629	.11671	187.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.347**	**.08316**	**19.622**	**2.6982**	**.00547**	**.84267**
Stddev	.010	.00250	.111	.0061	.00016	.00978
%RSD	.03596	3.0028	.56321	.22514	2.8545	1.1607
#1	28.355	.08493	19.700	2.6939	.00536	.83576
#2	28.340	.08140	19.544	2.7025	.00558	.84959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH4 Acquired: 7/9/2007 14:43:45 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05420**	**2.2125**	**.27184**	**-.00113**	**-.00037**	**2.3315**
Stddev	.00025	.0004	.00045	.00115	.00122	.0252
%RSD	.46493	.01742	.16583	101.56	331.24	1.0803
#1	.05437	2.2128	.27152	-.00195	.00049	2.3137
#2	.05402	2.2122	.27216	-.00032	-.00123	2.3493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9894**	**.01516**	**.15395**	**.00479**	**4.7133**	**-.00007**
Stddev	.0539	.00049	.00090	.00160	.0092	.00057
%RSD	1.0803	3.2436	.58587	33.292	.19488	811.16
#1	4.9513	.01481	.15331	.00592	4.7068	-.00047
#2	5.0276	.01550	.15459	.00366	4.7198	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.27723**	**.35764**	**.47411**	**.08576**
Stddev	.00994	.00215	.00178	.00092
%RSD	3.5864	.60060	.37570	1.0730
#1	-.28426	.35612	.47285	.08511
#2	-.27020	.35916	.47536	.08641
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XH4 Acquired: 7/9/2007 14:43:45 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5872.0	40184.	4902.7
Stddev	8.0	142.	.9
%RSD	.13670	.35256	.01789
#1	5866.3	40284.	4902.1
#2	5877.6	40084.	4903.3

Sample Name: J1XH6 Acquired: 7/9/2007 14:48:20 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**134.41**	**.08391**	**.04105**	**1.1559**	**.00324**
Stddev	.00035	.19	.00009	.00060	.0026	.00000
%RSD	455.45	.13783	.11267	1.4552	.22666	.01770
#1	.00033	134.28	.08384	.04147	1.1578	.00324
#2	-.00017	134.54	.08398	.04063	1.1541	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**65.015**	**.00222**	**.04525**	**.08090**	**.16081**	**165.80**
Stddev	.101	.00016	.00035	.00032	.00025	.17
%RSD	.15516	7.3364	.77395	.39354	.15655	.10382
#1	64.944	.00234	.04550	.08113	.16063	165.92
#2	65.086	.00211	.04501	.08068	.16099	165.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.678**	**.10614**	**24.542**	**5.4624**	**.00499**	**1.6948**
Stddev	.041	.00042	.010	.0398	.00013	.0025
%RSD	.18724	.39778	.03909	.72882	2.6584	.14541
#1	21.707	.10584	24.548	5.4343	.00490	1.6931
#2	21.650	.10644	24.535	5.4906	.00509	1.6966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH6 Acquired: 7/9/2007 14:48:20 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06280**	**3.0384**	**.40760**	**.00006**	**-.00038**	**2.1317**
Stddev	.00017	.0047	.00118	.00043	.00397	.0013
%RSD	.27022	.15379	.28868	696.36	1051.1	.05942
#1	.06268	3.0417	.40843	-.00024	-.00319	2.1308
#2	.06292	3.0351	.40677	.00037	.00243	2.1326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5619**	**.01363**	**.44993**	**-.00057**	**3.5274**	**-.00504**
Stddev	.0027	.00015	.00068	.00115	.0043	.00170
%RSD	.05942	1.1292	.15088	202.23	.12216	33.814
#1	4.5600	.01352	.44945	-.00139	3.5244	-.00384
#2	4.5638	.01374	.45041	.00025	3.5305	-.00625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.23473**	**.29115**	**.63726**	**.09264**
Stddev	.02059	.00068	.00039	.00048
%RSD	8.7726	.23199	.06137	.52047
#1	-.22017	.29067	.63754	.09230
#2	-.24929	.29163	.63698	.09299
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XH6 Acquired: 7/9/2007 14:48:20 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6417.1	43886.	5360.0
Stddev	13.7	56.	27.5
%RSD	.21414	.12720	.51267
#1	6407.4	43925.	5379.4
#2	6426.8	43846.	5340.6

Sample Name: J1XH8 Acquired: 7/9/2007 14:52:59 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**66.220**	**.05050**	**.02094**	**.52147**	**.00141**
Stddev	.00060	.290	.00101	.00040	.00246	.00004
%RSD	1441.7	.43856	1.9930	1.8978	.47110	2.7235
#1	.00038	66.015	.04979	.02122	.51973	.00138
#2	-.00047	66.425	.05121	.02066	.52320	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.246**	**.00032**	**.03514**	**.06425**	**.09568**	**115.60**
Stddev	.051	.00006	.00012	.00038	.00001	.45
%RSD	.38757	17.061	.35190	.59362	.00694	.38936
#1	13.210	.00028	.03506	.06398	.09568	115.28
#2	13.282	.00036	.03523	.06452	.09569	115.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.012**	**.03694**	**14.012**	**1.6478**	**.00343**	**.79706**
Stddev	.030	.00055	.066	.0072	.00003	.01178
%RSD	.17591	1.5013	.47410	.43471	.96030	1.4777
#1	16.991	.03733	13.965	1.6528	.00345	.78873
#2	17.033	.03654	14.059	1.6427	.00341	.80539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH8 Acquired: 7/9/2007 14:52:59 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03384**	**1.5089**	**.20026**	**.00000**	**-.00070**	**2.5382**
Stddev	.00018	.0012	.00001	.0025	.00044	.0034
%RSD	.51882	.07791	.00355	85013.	62.934	.13443
#1	.03371	1.5080	.20027	-.00178	-.00101	2.5358
#2	.03396	1.5097	.20026	.00177	-.00039	2.5406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4318**	**.00920**	**.13677**	**.00661**	**2.0545**	**.00025**
Stddev	.0073	.00018	.00078	.00229	.0071	.00022
%RSD	.13443	1.9144	.56865	34.680	.34347	86.411
#1	5.4267	.00908	.13622	.00823	2.0595	.00040
#2	5.4370	.00933	.13732	.00499	2.0495	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.17275**	**.26035**	**.30423**	**.02998**
Stddev	.01088	.00178	.00060	.00200
%RSD	6.3000	.68461	.19877	6.6625
#1	-.18044	.26161	.30465	.03139
#2	-.16505	.25909	.30380	.02857
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XH8 Acquired: 7/9/2007 14:52:59 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6013.7	41180.	4961.2
Stddev	8.1	130.	11.1
%RSD	.13459	.31591	.22443
#1	6008.0	41089.	4969.0
#2	6019.4	41272.	4953.3

Sample Name: J1XH9 Acquired: 7/9/2007 14:57:33 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**68.463**	**.04833**	**.01627**	**.72405**	**.00138**
Stddev	.00022	.194	.00053	.00014	.00203	.00001
%RSD	49.206	.28385	1.0910	.87387	.28074	.56047
#1	.00030	68.600	.04870	.01617	.72548	.00137
#2	.00061	68.326	.04795	.01638	.72261	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Line	317.933 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}	271.441 {124}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6236**	**-.00009**	**.03260**	**.07658**	**.07027**	**158.73**
Stddev	.0057	.00005	.00007	.00019	.00017	.33
%RSD	.05901	50.997	.19988	.24701	.23863	.20905
#1	9.6276	-.00006	.03264	.07672	.07039	158.50
#2	9.6196	-.00012	.03255	.07645	.07015	158.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	766.490 { 44}	670.784 { 50}	279.079 {121}	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.669**	**.03550**	**15.560**	**1.4248**	**.00222**	**1.3036**
Stddev	.067	.00081	.023	.0019	.00016	.0174
%RSD	.32406	2.2833	.14574	.13537	7.1192	1.3351
#1	20.717	.03607	15.576	1.4262	.00233	1.2912
#2	20.622	.03493	15.544	1.4235	.00211	1.3159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: J1XH9 Acquired: 7/9/2007 14:57:33 Type: Unk
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 7181055 SOIL

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Line	231.604 {446}	178.284 {489}	220.353 {453}	206.833 {463}	196.090 {472}	288.158 {117}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02903**	**1.6552**	**.08401**	**-.00030**	**.00089**	**2.4242**
Stddev	.00015	.0008	.00081	.00125	.00023	.0034
%RSD	.51182	.04576	.96303	409.84	25.542	.14058
#1	.02893	1.6547	.08458	-.00119	.00073	2.4266
#2	.02914	1.6558	.08343	.00058	.00105	2.4218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}	190.856 {477}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1877**	**.00878**	**.11413**	**.00587**	**2.5351**	**.00063**
Stddev	.0073	.00006	.00023	.00073	.0047	.00128
%RSD	.14058	.67306	.19942	12.373	.18588	202.92
#1	5.1929	.00882	.11396	.00536	2.5317	-.00027
#2	5.1826	.00873	.11429	.00639	2.5384	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	U_3701	V_2924	Zn2062	Zr3391
Line	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm
Avg	F **-.23455**	**.29367**	**.28614**	**.04314**
Stddev	.01292	.00114	.00046	.00161
%RSD	5.5092	.38879	.16243	3.7349
#1	-.24368	.29286	.28647	.04200
#2	-.22541	.29447	.28581	.04428
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000			
Low Limit	-.10000			

Sample Name: J1XH9 Acquired: 7/9/2007 14:57:33 Type: Unk

Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000

User: ltrudell Custom ID1: Custom ID2: Custom ID3:

Comment: 7181055 SOIL

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6021.9	41256.	4952.2
Stddev	8.2	58.	4.8
%RSD	.13586	.14000	.09646
#1	6016.2	41215.	4948.8
#2	6027.7	41297.	4955.6

Sample Name: CCVH1 Acquired: 7/9/2007 15:02:05 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00833**	**48.739**	**-.00496**	**.00032**	**-.00010**	**-.00017**	**.02488**	**-.00099**
Stddev	.00031	.059	.00332	.00004	.00019	.00008	.00098	.00009
%RSD	3.7590	.12105	67.009	12.158	194.12	47.739	3.9456	8.9117
#1	.00811	48.697	-.00261	.00029	-.00024	-.00023	.02557	-.00092
#2	.00856	48.780	-.00731	.00035	.00004	-.00012	.02418	-.00105
Check ?	None	Chk Pass	None	None	None	None	None	None
Value								
Range								

Elem	Co2286	Cr2055	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00016**	**.01212**	**48.080**	**49.992**	**.00924**	**-.00059**	**.18390**
Stddev	.00027	.00006	.00005	.032	.115	.06730	.00226	.02021
%RSD	28.173	37.069	.39337	.06592	.22951	728.45	384.69	10.989
#1	.00115	.00021	.01208	48.057	49.911	.05683	.00101	.19819
#2	.00077	.00012	.01215	48.102	50.073	-.03835	-.00218	.16961
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	None
Value								
Range								

Elem	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00101**	**50.277**	**.00030**	**.00195**	**.00057**	**.00314**	**.00938**
Stddev	.00006	.00010	.574	.00004	.00021	.00059	.00096	.00077
%RSD	52.357	9.6159	1.1413	12.316	10.898	104.34	30.547	8.2272
#1	.00008	-.00094	49.871	.00027	.00210	.00099	.00246	.00992
#2	.00017	-.00108	50.682	.00032	.00180	.00015	.00382	.00883
Check ?	None	None	Chk Pass	None	None	None	None	None
Value								
Range								

Sample Name: CCVH1 Acquired: 7/9/2007 15:02:05 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02154**	**.04610**	**.00058**	**.00039**	**4.8923**	**-.00844**	**-.00442**	**10.074**
Stddev	.00495	.01058	.00034	.00019	.0035	.00051	.00014	.030
%RSD	22.960	22.960	58.782	48.588	.07191	6.0791	3.1201	.29882
#1	.02504	.05358	.00034	.00026	4.8948	-.00880	-.00433	10.095
#2	.01804	.03861	.00082	.00053	4.8898	-.00808	-.00452	10.052
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass
Value								
Range								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00821**	**.00275**	**.19333**
Stddev	.00016	.00008	.00195
%RSD	1.9598	2.8413	1.0079
#1	.00809	.00280	.19195
#2	.00832	.00269	.19471
Check ?	None	None	None
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5401.7**	**37415.**	**4404.9**
Stddev	18.8	37.	40.4
%RSD	.34817	.09838	.91761
#1	5415.0	37441.	4433.5
#2	5388.4	37389.	4376.3

Sample Name: CCVL1 Acquired: 7/9/2007 15:06:42 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49801**	**.52066**	**1.0012**	**.50065**	**.49495**	**.50115**	**4.9128**	**.48297**	**.49139**
Stddev	.00258	.00201	.0016	.00009	.00020	.00040	.0100	.00003	.00028
%RSD	.51902	.38628	.16402	.01706	.04082	.08038	.20278	.00704	.05750
#1	.49619	.51924	1.0001	.50059	.49481	.50143	4.9199	.48299	.49159
#2	.49984	.52208	1.0024	.50071	.49509	.50086	4.9058	.48294	.49119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48281**	**.49984**	**.50961**	**49.265**	**1.0064**	**20.095**	**.49498**	**.48363**	**4.9268**
Stddev	.00055	.00038	.00078	.012	.0007	.004	.00028	.00095	.0087
%RSD	.11309	.07642	.15388	.02377	.07214	.02206	.05638	.19605	.17721
#1	.48242	.49957	.50905	49.257	1.0069	20.092	.49478	.48296	4.9330
#2	.48319	.50011	.51016	49.273	1.0059	20.098	.49517	.48430	4.9206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50047**	**.96029**	**.97492**	**.99380**	**.95593**	**4.8638**	**10.408**	**.99954**	**.51473**
Stddev	.00019	.00029	.00093	.00260	.00221	.0689	.147	.00172	.00070
%RSD	.03742	.03043	.09540	.26169	.23113	1.4157	1.4157	.17213	.13561
#1	.50060	.96050	.97558	.99196	.95749	4.9125	10.513	.99833	.51423
#2	.50033	.96008	.97426	.99563	.95436	4.8151	10.304	1.0008	.51522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCVL1 Acquired: 7/9/2007 15:06:42 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	**.52028**	**1.0238**	**.01644**	**.51917**	**.50584**	**.52279**
Stddev	.00206	.00051	.0034	.00748	.00003	.00133	.00437
%RSD	81.313	.09730	.33313	45.511	.00601	.26388	.83547
#1	.00108	.51992	1.0214	.01115	.51914	.50489	.52588
#2	.00400	.52064	1.0262	.02173	.51919	.50678	.51970
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5379.3**	**37249.**	**4400.2**
Stddev	5.0	70.	9.6
%RSD	.09386	.18844	.21794
#1	5375.8	37299.	4407.0
#2	5382.9	37199.	4393.4

Sample Name: CCB Acquired: 7/9/2007 15:11:10 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00635**	**-.00128**	**-.00070**	**-.00005**	**.00000**	**-.00478**	**.00001**
Stddev	.00011	.00041	.00041	.00023	.00049	.0000	.00165	.00002
%RSD	82.379	6.4935	32.365	33.281	1008.2	435.17	34.540	154.15
#1	.00022	.00605	-.00099	-.00053	.00030	-.00002	-.00361	.00002
#2	.00006	.00664	-.00157	-.00086	-.00040	.00001	-.00595	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00015**	**-.00046**	**.00962**	**.01158**	**-.00083**	**.01917**	**.00004**
Stddev	.00004	.00003	.00037	.00005	.04492	.00100	.00270	.00004
%RSD	91.488	17.832	80.352	.48898	388.06	120.49	14.104	101.61
#1	.00007	.00013	-.00072	.00965	.04334	-.00012	.02108	.00007
#2	.00002	.00016	-.00020	.00958	-.02019	-.00154	.01726	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.07011**	**-.00024**	**-.00054**	**-.00057**	**-.00014**	**.00184**	**.00561**
Stddev	.00033	.00194	.00010	.00128	.00009	.00057	.00229	.00371
%RSD	126.22	2.7632	40.779	238.64	15.257	397.69	124.15	66.035
#1	.00049	-.07148	-.00017	.00037	-.00051	.00026	.00022	.00823
#2	.00003	-.06874	-.00031	-.00144	-.00064	-.00055	.00346	.00299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB Acquired: 7/9/2007 15:11:10 Type: QC
Method: 6500_025(v19) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01201**	**.00030**	**.00006**	**.00198**	**-.00014**	**.00154**	**.00770**	**-.00012**
Stddev	.00793	.00021	.00002	.00137	.00040	.00021	.03180	.00015
%RSD	66.035	70.707	33.672	69.427	276.53	13.543	412.93	132.91
#1	.01762	.00045	.00008	.00101	.00014	.00139	.03019	-.00022
#2	.00640	.00015	.00005	.00295	-.00042	.00169	-.01478	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00128**	**.00295**
Stddev	.00016	.00066
%RSD	12.285	22.347
#1	.00139	.00249
#2	.00117	.00342
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5407.4	37737.	4352.5
Stddev	18.4	8.	6.3
%RSD	.33976	.02120	.14438
#1	5394.4	37731.	4348.1
#2	5420.4	37742.	4356.9

Metals

Supporting Documentation

Sample Sequence, Instrument Printouts

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID: D7F270299

Client: PARSONS

Batch(es) #: 7181046

Associated Samples: 1-11

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: Doug Domer 7/18/07

Metals Raw Data RoadMap

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	1	AG	J1XHL1AX	20070717	6020_S	7181046	071607A	004
D7F270299	1	SB	J1XHL1AK	20070717	6020_S	7181046	071607A	004
D7F270299	1	MO	J1XHL1A6	20070717	6020_S	7181046	071607A	004
D7F270299	1	CR	J1XHL1A3	20070717	6020_S	7181046	071607A	004
D7F270299	1	ZN	J1XHL1A2	20070717	6020_S	7181046	071607A	004
D7F270299	1	TL	J1XHL1A0	20070717	6020_S	7181046	071607A	004
D7F270299	1	SE	J1XHL1AW	20070717	6020_S	7181046	071607A	004
D7F270299	1	NI	J1XHL1AV	20070717	6020_S	7181046	071607A	004
D7F270299	1	BE	J1XHL1AN	20070717	6020_S	7181046	071607A	004
D7F270299	1	VX	J1XHL1A1	20070717	6020_S	7181046	071607A	004
D7F270299	1	BA	J1XHL1AM	20070717	6020_S	7181046	071607A	004
D7F270299	1	MN	J1XHL1AU	20070717	6020_S	7181046	071607A	004
D7F270299	1	CD	J1XHL1AP	20070717	6020_S	7181046	071607A	004
D7F270299	1	CO	J1XHL1AQ	20070717	6020_S	7181046	071607A	004
D7F270299	1	CU	J1XHL1AR	20070717	6020_S	7181046	071607A	004
D7F270299	1	PB	J1XHL1AT	20070717	6020_S	7181046	071607A	004
D7F270299	1	AS	J1XHL1AL	20070717	6020_S	7181046	071607A	004
D7F270299	2	CD	J1XHR1AV	20070717	6020_S	7181046	071607A	004
D7F270299	2	MN	J1XHR1A1	20070717	6020_S	7181046	071607A	004
D7F270299	2	MO	J1XHR1A5	20070717	6020_S	7181046	071607A	004
D7F270299	2	AG	J1XHR1A4	20070717	6020_S	7181046	071607A	004
D7F270299	2	NI	J1XHR1A2	20070717	6020_S	7181046	071607A	004
D7F270299	2	PB	J1XHR1A0	20070717	6020_S	7181046	071607A	004
D7F270299	2	CU	J1XHR1AX	20070717	6020_S	7181046	071607A	004
D7F270299	2	CO	J1XHR1AW	20070717	6020_S	7181046	071607A	004
D7F270299	2	ZN	J1XHR1AD	20070717	6020_S	7181046	071607A	004

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	2	SE	J1XHR1A3	20070717	6020_S	7181046	071607A	004
D7F270299	2	BE	J1XHR1AU	20070717	6020_S	7181046	071607A	004
D7F270299	2	VX	J1XHR1AC	20070717	6020_S	7181046	071607A	004
D7F270299	2	CR	J1XHR1AE	20070717	6020_S	7181046	071607A	004
D7F270299	2	TL	J1XHR1AA	20070717	6020_S	7181046	071607A	004
D7F270299	2	SB	J1XHR1AQ	20070717	6020_S	7181046	071607A	004
D7F270299	2	AS	J1XHR1AR	20070717	6020_S	7181046	071607A	004
D7F270299	2	BA	J1XHR1AT	20070717	6020_S	7181046	071607A	004
D7F270299	3	MO	J1XHT1A5	20070717	6020_S	7181046	071607A	004
D7F270299	3	BE	J1XHT1AU	20070717	6020_S	7181046	071607A	004
D7F270299	3	SE	J1XHT1A3	20070717	6020_S	7181046	071607A	004
D7F270299	3	NI	J1XHT1A2	20070717	6020_S	7181046	071607A	004
D7F270299	3	MN	J1XHT1A1	20070717	6020_S	7181046	071607A	004
D7F270299	3	PB	J1XHT1A0	20070717	6020_S	7181046	071607A	004
D7F270299	3	CU	J1XHT1AX	20070717	6020_S	7181046	071607A	004
D7F270299	3	AG	J1XHT1A4	20070717	6020_S	7181046	071607A	004
D7F270299	3	BA	J1XHT1AT	20070717	6020_S	7181046	071607A	004
D7F270299	3	AS	J1XHT1AR	20070717	6020_S	7181046	071607A	004
D7F270299	3	SB	J1XHT1AQ	20070717	6020_S	7181046	071607A	004
D7F270299	3	CR	J1XHT1AE	20070717	6020_S	7181046	071607A	004
D7F270299	3	ZN	J1XHT1AD	20070717	6020_S	7181046	071607A	004
D7F270299	3	VX	J1XHT1AC	20070717	6020_S	7181046	071607A	004
D7F270299	3	TL	J1XHT1AA	20070717	6020_S	7181046	071607A	004
D7F270299	3	CD	J1XHT1AV	20070717	6020_S	7181046	071607A	004
D7F270299	3	CO	J1XHT1AW	20070717	6020_S	7181046	071607A	004
D7F270299	4	CO	J1XHV1AW	20070717	6020_S	7181046	071607A	004
D7F270299	4	CU	J1XHV1AX	20070717	6020_S	7181046	071607A	004
D7F270299	4	PB	J1XHV1A0	20070717	6020_S	7181046	071607A	004
D7F270299	4	CR	J1XHV1AE	20070717	6020_S	7181046	071607A	004

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	4	MN	J1XHV1A1	20070717	6020_S	7181046	071607A	004
D7F270299	4	NI	J1XHV1A2	20070717	6020_S	7181046	071607A	004
D7F270299	4	SE	J1XHV1A3	20070717	6020_S	7181046	071607A	004
D7F270299	4	MO	J1XHV1A5	20070717	6020_S	7181046	071607A	004
D7F270299	4	AG	J1XHV1A4	20070717	6020_S	7181046	071607A	004
D7F270299	4	TL	J1XHV1AA	20070717	6020_S	7181046	071607A	004
D7F270299	4	CD	J1XHV1AV	20070717	6020_S	7181046	071607A	004
D7F270299	4	VX	J1XHV1AC	20070717	6020_S	7181046	071607A	004
D7F270299	4	ZN	J1XHV1AD	20070717	6020_S	7181046	071607A	004
D7F270299	4	AS	J1XHV1AR	20070717	6020_S	7181046	071607A	004
D7F270299	4	SB	J1XHV1AQ	20070717	6020_S	7181046	071607A	004
D7F270299	4	BA	J1XHV1AT	20070717	6020_S	7181046	071607A	004
D7F270299	4	BE	J1XHV1AU	20070717	6020_S	7181046	071607A	004
D7F270299	5	BE	J1XHX1AU	20070717	6020_S	7181046	071607A	004
D7F270299	5	CD	J1XHX1AV	20070717	6020_S	7181046	071607A	004
D7F270299	5	SE	J1XHX1A3	20070717	6020_S	7181046	071607A	004
D7F270299	5	NI	J1XHX1A2	20070717	6020_S	7181046	071607A	004
D7F270299	5	MN	J1XHX1A1	20070717	6020_S	7181046	071607A	004
D7F270299	5	PB	J1XHX1A0	20070717	6020_S	7181046	071607A	004
D7F270299	5	CU	J1XHX1AX	20070717	6020_S	7181046	071607A	004
D7F270299	5	AG	J1XHX1A4	20070717	6020_S	7181046	071607A	004
D7F270299	5	VX	J1XHX1AC	20070717	6020_S	7181046	071607A	004
D7F270299	5	CO	J1XHX1AW	20070717	6020_S	7181046	071607A	004
D7F270299	5	TL	J1XHX1AA	20070717	6020_S	7181046	071607A	004
D7F270299	5	MO	J1XHX1A5	20070717	6020_S	7181046	071607A	004
D7F270299	5	ZN	J1XHX1AD	20070717	6020_S	7181046	071607A	004
D7F270299	5	CR	J1XHX1AE	20070717	6020_S	7181046	071607A	004
D7F270299	5	SB	J1XHX1AQ	20070717	6020_S	7181046	071607A	004
D7F270299	5	AS	J1XHX1AR	20070717	6020_S	7181046	071607A	004
D7F270299	5	BA	J1XHX1AT	20070717	6020_S	7181046	071607A	004

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	6	CO	J1XH01AW	20070717	6020_S	7181046	071607A	004
D7F270299	6	MO	J1XH01A5	20070717	6020_S	7181046	071607A	004
D7F270299	6	SE	J1XH01A3	20070717	6020_S	7181046	071607A	004
D7F270299	6	NI	J1XH01A2	20070717	6020_S	7181046	071607A	004
D7F270299	6	MN	J1XH01A1	20070717	6020_S	7181046	071607A	004
D7F270299	6	PB	J1XH01A0	20070717	6020_S	7181046	071607A	004
D7F270299	6	CU	J1XH01AX	20070717	6020_S	7181046	071607A	004
D7F270299	6	AG	J1XH01A4	20070717	6020_S	7181046	071607A	004
D7F270299	6	TL	J1XH01AA	20070717	6020_S	7181046	071607A	004
D7F270299	6	BE	J1XH01AU	20070717	6020_S	7181046	071607A	004
D7F270299	6	BA	J1XH01AT	20070717	6020_S	7181046	071607A	004
D7F270299	6	AS	J1XH01AR	20070717	6020_S	7181046	071607A	004
D7F270299	6	SB	J1XH01AQ	20070717	6020_S	7181046	071607A	004
D7F270299	6	CR	J1XH01AE	20070717	6020_S	7181046	071607A	004
D7F270299	6	ZN	J1XH01AD	20070717	6020_S	7181046	071607A	004
D7F270299	6	CD	J1XH01AV	20070717	6020_S	7181046	071607A	004
D7F270299	6	VX	J1XH01AC	20070717	6020_S	7181046	071607A	004
D7F270299	7	BA	J1XH11AT	20070717	6020_S	7181046	071607A	004
D7F270299	7	AS	J1XH11AR	20070717	6020_S	7181046	071607A	004
D7F270299	7	SB	J1XH11AQ	20070717	6020_S	7181046	071607A	004
D7F270299	7	CR	J1XH11AE	20070717	6020_S	7181046	071607A	004
D7F270299	7	ZN	J1XH11AD	20070717	6020_S	7181046	071607A	004
D7F270299	7	VX	J1XH11AC	20070717	6020_S	7181046	071607A	004
D7F270299	7	CO	J1XH11AW	20070717	6020_S	7181046	071607A	004
D7F270299	7	TL	J1XH11AA	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	CD	J1XH11DK	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	ZN	J1XH11CM	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	CR	J1XH11CP	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	SB	J1XH11DA	20070717	6020_S	7181046	071607A	004

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	7 S	AS	J1XH11DC	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	AS	J1XH11DD	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	BA	J1XH11DE	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	BA	J1XH11DF	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	BE	J1XH11DG	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	ZN	J1XH11CL	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	CD	J1XH11DJ	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	CR	J1XH11CN	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	CO	J1XH11DL	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	CO	J1XH11DM	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	CU	J1XH11DN	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	CU	J1XH11DP	20070717	6020_S	7181046	071607A	004
D7F270299	7	MO	J1XH11DQ	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	MO	J1XH11DU	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	MO	J1XH11DV	20070717	6020_S	7181046	071607A	004
D7F270299	7	BE	J1XH11AU	20070717	6020_S	7181046	071607A	004
D7F270299	7	CD	J1XH11AV	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	BE	J1XH11DH	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	MN	J1XH11A7	20070717	6020_S	7181046	071607A	004
D7F270299	7	CU	J1XH11AX	20070717	6020_S	7181046	071607A	004
D7F270299	7	PB	J1XH11A0	20070717	6020_S	7181046	071607A	004
D7F270299	7	MN	J1XH11A1	20070717	6020_S	7181046	071607A	004
D7F270299	7	NI	J1XH11A2	20070717	6020_S	7181046	071607A	004
D7F270299	7	SE	J1XH11A3	20070717	6020_S	7181046	071607A	004
D7F270299	7	AG	J1XH11A4	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	SB	J1XH11C9	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	PB	J1XH11A6	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	VX	J1XH11CK	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	MN	J1XH11A8	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	TL	J1XH11CH	20070717	6020_S	7181046	071607A	004

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	7 D	NI	J1XH11CA	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	SE	J1XH11CC	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	SE	J1XH11CD	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	AG	J1XH11CE	20070717	6020_S	7181046	071607A	004
D7F270299	7 D	AG	J1XH11CF	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	TL	J1XH11CG	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	NI	J1XH11A9	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	PB	J1XH11A5	20070717	6020_S	7181046	071607A	004
D7F270299	7 S	VX	J1XH11CJ	20070717	6020_S	7181046	071607A	004
D7F270299	8	CO	J1XH41AW	20070717	6020_S	7181046	071607A	004
D7F270299	8	CU	J1XH41AX	20070717	6020_S	7181046	071607A	004
D7F270299	8	MO	J1XH41A5	20070717	6020_S	7181046	071607A	004
D7F270299	8	MN	J1XH41A1	20070717	6020_S	7181046	071607A	004
D7F270299	8	SE	J1XH41A3	20070717	6020_S	7181046	071607A	004
D7F270299	8	PB	J1XH41A0	20070717	6020_S	7181046	071607A	004
D7F270299	8	CD	J1XH41AV	20070717	6020_S	7181046	071607A	004
D7F270299	8	AG	J1XH41A4	20070717	6020_S	7181046	071607A	004
D7F270299	8	TL	J1XH41AA	20070717	6020_S	7181046	071607A	004
D7F270299	8	NI	J1XH41A2	20070717	6020_S	7181046	071607A	004
D7F270299	8	VX	J1XH41AC	20070717	6020_S	7181046	071607A	004
D7F270299	8	ZN	J1XH41AD	20070717	6020_S	7181046	071607A	004
D7F270299	8	CR	J1XH41AE	20070717	6020_S	7181046	071607A	004
D7F270299	8	SB	J1XH41AQ	20070717	6020_S	7181046	071607A	004
D7F270299	8	AS	J1XH41AR	20070717	6020_S	7181046	071607A	004
D7F270299	8	BA	J1XH41AT	20070717	6020_S	7181046	071607A	004
D7F270299	8	BE	J1XH41AU	20070717	6020_S	7181046	071607A	004
D7F270299	9	BE	J1XH61AU	20070717	6020_S	7181046	071607A	004
D7F270299	9	CU	J1XH61AX	20070717	6020_S	7181046	071607A	004
D7F270299	9	MO	J1XH61A5	20070717	6020_S	7181046	071607A	004

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	9	AG	J1XH61A4	20070717	6020_S	7181046	071607A	004
D7F270299	9	SE	J1XH61A3	20070717	6020_S	7181046	071607A	004
D7F270299	9	NI	J1XH61A2	20070717	6020_S	7181046	071607A	004
D7F270299	9	MN	J1XH61A1	20070717	6020_S	7181046	071607A	004
D7F270299	9	PB	J1XH61A0	20070717	6020_S	7181046	071607A	004
D7F270299	9	VX	J1XH61AC	20070717	6020_S	7181046	071607A	004
D7F270299	9	BA	J1XH61AT	20070717	6020_S	7181046	071607A	004
D7F270299	9	AS	J1XH61AR	20070717	6020_S	7181046	071607A	004
D7F270299	9	SB	J1XH61AQ	20070717	6020_S	7181046	071607A	004
D7F270299	9	CR	J1XH61AE	20070717	6020_S	7181046	071607A	004
D7F270299	9	ZN	J1XH61AD	20070717	6020_S	7181046	071607A	004
D7F270299	9	CD	J1XH61AV	20070717	6020_S	7181046	071607A	004
D7F270299	9	CO	J1XH61AW	20070717	6020_S	7181046	071607A	004
D7F270299	9	TL	J1XH61AA	20070717	6020_S	7181046	071607A	004
D7F270299	10	CU	J1XH81AX	20070717	6020_S	7181046	071607A	004
D7F270299	10	PB	J1XH81A0	20070717	6020_S	7181046	071607A	004
D7F270299	10	MO	J1XH81A5	20070717	6020_S	7181046	071607A	004
D7F270299	10	MN	J1XH81A1	20070717	6020_S	7181046	071607A	004
D7F270299	10	NI	J1XH81A2	20070717	6020_S	7181046	071607A	004
D7F270299	10	AG	J1XH81A4	20070717	6020_S	7181046	071607A	004
D7F270299	10	CR	J1XH81AE	20070717	6020_S	7181046	071607A	004
D7F270299	10	CO	J1XH81AW	20070717	6020_S	7181046	071607A	004
D7F270299	10	SE	J1XH81A3	20070717	6020_S	7181046	071607A	004
D7F270299	10	BE	J1XH81AU	20070717	6020_S	7181046	071607A	004
D7F270299	10	BA	J1XH81AT	20070717	6020_S	7181046	071607A	004
D7F270299	10	SB	J1XH81AQ	20070717	6020_S	7181046	071607A	004
D7F270299	10	ZN	J1XH81AD	20070717	6020_S	7181046	071607A	004
D7F270299	10	VX	J1XH81AC	20070717	6020_S	7181046	071607A	004
D7F270299	10	TL	J1XH81AA	20070717	6020_S	7181046	071607A	004
D7F270299	10	AS	J1XH81AR	20070717	6020_S	7181046	071607A	004

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	10	CD	J1XH81AV	20070717	6020_S	7181046	071607A	004
D7F270299	11	AG	J1XH91A4	20070717	6020_S	7181046	071607A	004
D7F270299	11	CU	J1XH91AX	20070717	6020_S	7181046	071607A	004
D7F270299	11	PB	J1XH91A0	20070717	6020_S	7181046	071607A	004
D7F270299	11	MN	J1XH91A1	20070717	6020_S	7181046	071607A	004
D7F270299	11	CO	J1XH91AW	20070717	6020_S	7181046	071607A	004
D7F270299	11	SE	J1XH91A3	20070717	6020_S	7181046	071607A	004
D7F270299	11	CR	J1XH91AE	20070717	6020_S	7181046	071607A	004
D7F270299	11	NI	J1XH91A2	20070717	6020_S	7181046	071607A	004
D7F270299	11	CD	J1XH91AV	20070717	6020_S	7181046	071607A	004
D7F270299	11	BE	J1XH91AU	20070717	6020_S	7181046	071607A	004
D7F270299	11	BA	J1XH91AT	20070717	6020_S	7181046	071607A	004
D7F270299	11	SB	J1XH91AQ	20070717	6020_S	7181046	071607A	004
D7F270299	11	ZN	J1XH91AD	20070717	6020_S	7181046	071607A	004
D7F270299	11	VX	J1XH91AC	20070717	6020_S	7181046	071607A	004
D7F270299	11	TL	J1XH91AA	20070717	6020_S	7181046	071607A	004
D7F270299	11	MO	J1XH91A5	20070717	6020_S	7181046	071607A	004
D7F270299	11	AS	J1XH91AR	20070717	6020_S	7181046	071607A	004

METALS
PREPARATION LOGS
ICP-MS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 6/30/07
Time: 10:11:16

BATCH NUMBER: **7181046**

PREP DATE: ~~6/30/07~~ 7/6/07
DUE DATE 7/13/07

COMP DATE: 6/30/07
INITIALS: CB

LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
D7F270299	J1XHL	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHR	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHT	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHV	MR	X 1.01 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XHX	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH0	MR	X 1.00 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH1	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
	J1XH1S		0.99 g	_____ g	_____ g	_____ g
	J1XH1D		1.01 g	_____ g	_____ g	_____ g
D7F270299	J1XH4	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH6	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH8	MR	X 1.01 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F270299	J1XH9	MR	X 0.99 g	_____ g	_____ g	_____ g
SOLID	**TO** DUE DATE:		7/13/07			
D7F300000	J15V8B	MR	X 1.0 g	_____ g	_____ g	_____ g
SOLID	DUE DATE:		0/00/00			
	J15V8C		1.0 g	_____ g	_____ g	_____ g

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 6/30/07
Time: 10:11:16

BATCH NUMBER: **7181046**

PREP DATE: ~~6/30/07~~ 7/6/07
DUE DATE 7/13/07

COMP DATE: 6/30/07
INITIALS: CZ

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH	X
MS/MSD AND PDS ON BATCH	X
CURVE PREPPED FOR HG	NA
CORRECT SPIKES ADDED	X
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG	X

COMMENTS: _____
B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS
SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

AG AS BA BE CD CO CR CU MN MO NI PB SB SE TL VX ZN

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS					

Reviewed DG 7/14/07

SUPPLEMENTAL METALS PREP SHEET

(Used in conjunction with METALS PREP LOG/BATCH SUMMARY)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Denver

ICP-MS PREP & ANALYSIS - SOILS

SOP: DEN-IP-0015

QC Batch #: 7181046

Prep Date: 7/6/07	**Prep By:** CAG

BALANCE USED: **H31422**

STANDARDS USED

Standard ID	Verification #	Exp. Date	Spike Amount	Pipette ID
2008Cal-1	STD-2604-07	05/30/08	200 uL	13
2008Cal-2	STD-2605-07	05/30/08	200 uL	13

REAGENTS USED

Reagent	Manufacturer	Lot #	Volume Used (mL)	Pipette ID
HNO_3	JT Baker	E01042	10	----------
H_2O_2	JT Baker	C13H03	4	----------

CONSUMABLES USED

All samples & QC samples filtered? [X] Yes [ ] No

Filter Manufacturer: Whatman Filter Size: 541 Filter Lot # : G1860782

Digestion Cup Manufacturer: Environmental Express Lot #: A603LP021

TEMPERATURE CYCLES

Thermometer ID: 3311 Block & Cup # : 6-2

Cycle	Start Time	Temperature (°C)	End Time	Temperature (°C)
1:1 HNO_3	700	95	715	95
conc HNO_3	930	↓	930	↓
H_2O_2	930	↓	1200	↓

Samples and QC revolumed to: 100ml

METALS
SAMPLE DATA
ICP-MS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ICP-MS Standard and Spike True Values

Element	Calibration Standard	Initial Calibration Standard	Continuing Calibration Standard	Interference Check Sample A	Interference Check Sample AB	Laboratory Control Sample and Duplicate	Matrix Spike Sample and Duplicate	Post Digestion Spike
Aluminum	100	40	50		--	40	40	200
Antimony	100	40	50	100,000 Aluminum	100	40	40	200
Arsenic	100	40	50	100,000 Calcium	100	40	40	200
Barium	100	40	50	100,000 Iron	100	40	40	200
Beryllium	100	40	50	100,000 Magnesium	100	40	40	200
Cadmium	100	40	50	100,000 Sodium	100	40	40	200
Chromium	100	40	50	100,000 Phosphorus	100	40	40	200
Cobalt	100	40	50	100,000 Potassium	100	40	40	200
Copper	100	40	50	100,000 Sulfur	100	40	40	200
Iron	5000	1000	2500	200,000 Carbon	--	1000	1000	5000
Lead	100	40	50	1,000,000 Chloride	100	40	40	200
Manganese	100	40	50	2000 Molybdenum	--	40	40	200
Molybdenum	100	40	50	2000 Titanium	100	40	40	200
Nickel	100	40	50		100	40	40	200
Selenium	100	40	50		100	40	40	200
Silver	100	40	50		100	40	40	200
Thallium	100	40	50		100	40	40	200
Thorium	100	40	50		100	40	40	200
Tin	100	40	50		100	40	40	200
Uranium	100	40	50		100	40	40	200
Vanadium	100	40	50		100	40	40	200
Zinc	100	40	50		100	40	40	200

All units are ug/L.

Due to the presence of trace contaminants in the ICSA solution, the % recovery for the ICSAB solution is calculated by subtracting the levels in the ICSA from the ICSAB.

Quality Control Standards

QC Std.1 = Initial Calibration Verification (ICV)
QC Std.2 = Initial Calibration Blank (ICB)
QC Std.3 = Continuing Calibration Verification (CCV)
QC Std.4 = Continuing Calibration Blank (CCB)

Table of Contents

STL Denver

Standards Preparation Logbook Record

Jul-18-2007

Logbook: \\Arvp2038\StdsLog\metals.std

STD0172-07, 1000 Zn (Inorganic Ventures)

Analyst: trudelll

Vendor: Inorganic Ventures Lot No.: Z-ZN02030 Vendor's Expiration Date: 02-01-2008
Solvent: 2% HNO3
Date Prep./Opened: 01-10-2007 Date Received: 01-10-2007
Date Expires(1): 02-01-2008 (None)
Date Expires(2): 02-01-2008 (None)
Inventory ID: 566

Component	Initial Conc (mg/L)	Final Conc (mg/L)
1000 Zn	1,000.0000	1,000.0000

STD1945-07, 1000 mg/L Sn

Analyst: TRUDELLL

Vendor: Inorganic Ventures Lot No.: A2-SN02010 Vendor's Expiration Date: 05-01-2008
Solvent: 1% HNO3
Date Prep./Opened: 04-24-2007 Date Received: 04-24-2007
Date Expires(1): 05-01-2008 (None)
Date Expires(2): 05-01-2008 (None)
Inventory ID: 610

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Sn	1,000.0000	1,000.0000

STD2554-07, ICP-MS 1 ppm Sn Std

Analyst: LILLT

Solvent: 5% HNO3 Lot No.: E09043 Volume (ml): 20.0000
Date Prep./Opened: 05-26-2007
Date Expires(1): 11-26-2007 (6 Months)
pipettes: Met 21 and Met 8

Parent Std No.: STD1945-07, 1000 mg/L Sn Aliquot Amount (ml): 0.0200
Parent Date Expires(1): 05-01-2008 Parent Date Expires(2): 05-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Sn	1,000.0000	1.0000

STD2555-07, ICP-MS 1 ppm Zn Std

Analyst: LILLT

Solvent: 5% HNO3 Lot No.: E09043 Volume (ml): 20.0000
Date Prep./Opened: 05-26-2007
Date Expires(1): 11-26-2007 (6 Months)
pipettes: Met 21 and Met 8

Parent Std No.: STD0172-07, 1000 Zn (Inorganic Ventures) Aliquot Amount (ml): 0.0200
Parent Date Expires(1): 02-01-2008 Parent Date Expires(2): 02-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
1000 Zn	1,000.0000	1,000.0000

STD3233-07, ICP-MS 10 ppm Sn

Analyst: LILLT

Solvent: 5% HNO3 Lot No.: E09043 Volume (ml): 10.0000
Date Prep./Opened: 07-05-2007
Date Expires(1): 05-01-2008 (1 Year)
pipettes: Met 21 and Met 8

Parent Std No.: STD1945-07, 1000 mg/L Sn Aliquot Amount (ml): 0.1000
Parent Date Expires(1): 05-01-2008 Parent Date Expires(2): 05-01-2008

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Sn	1,000.0000	10.0000

STD3307-07, ICP-MS INTERNAL STANDARD

Analyst: LILLT

Solvent: 1% HN03 Lot No.: E09043 Volume (ml): 2,000.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 11-15-2007 (6 Months)
pipettes: Met 19 and Met 2

Parent Std No.: STD0855-07, Scandium Stock Aliquot Amount (ml): 2.0000
Parent Date Expires(1): 02-21-2008 Parent Date Expires(2): 03-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Sc	1,000.0000	1,000.0000

Parent Std No.: STD2423-07, Indium Stock Aliquot Amount (ml): 0.3000
Parent Date Expires(1): 05-21-2008 Parent Date Expires(2): 06-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
In	1,000.0000	150.0000

Parent Std No.: STD6322-06, Germanium Stock Aliquot Amount (ml): 3.0000
Parent Date Expires(1): 11-15-2007 Parent Date Expires(2): 12-01-2007

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Ge	1,000.0000	1,500.0000

Parent Std No.: STD6323-06, Holmium Stock Aliquot Amount (ml): 0.3000
Parent Date Expires(1): 11-15-2007 Parent Date Expires(2): 12-01-2007

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Ho	1,000.0000	150.0000

STD3402-07, ICP-MS CCV

Analyst: gomerd

Solvent: 5% HNO3 Lot No.: E09043 Volume (ml): 100.0000
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)
pipettes: Met 19

Parent Std No.: STD2656-07, Iron Stock Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 03-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Fe	1,000.0000	2,500.0000

Parent Std No.: STD3164-07, ICPMS 2008CAL-1 Inorganic Ventures Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Mo	20.0000	50.0000
Sb	20.0000	50.0000

Parent Std No.: STD3165-07, ICPMS 2008CAL-2 Inorganic Ventures Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Ag	20.0000	50.0000
Al	20.0000	50.0000
As	20.0000	50.0000
Ba	20.0000	50.0000
Be	20.0000	50.0000
Cd	20.0000	50.0000
Co	20.0000	50.0000
Cr	20.0000	50.0000
Cu	20.0000	50.0000
Mn	20.0000	50.0000
Ni	20.0000	50.0000
Pb	20.0000	50.0000
Se	20.0000	50.0000
Th	20.0000	50.0000
Tl	20.0000	50.0000
U	20.0000	50.0000
V	20.0000	50.0000
Zn	20.0000	50.0000

Parent Std No.: STD3233-07, ICP-MS 10 ppm Sn Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 05-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Sn	10.0000	50.0000

STD3403-07, ICP-MS ICSAB

Analyst: gomerd

Solvent: 5% HNO3 Lot No.: E09043 Volume (ml): 10.0000
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)
pipettes: Met 8, Met 19, and Met 21

Parent Std No.: STD1535-07, ICPMS Interferent Check Standard Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 12-27-2007 Parent Date Expires(2): 01-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Al	1,000.0000	100,000.0000
C	2,000.0000	200,000.0000
CL	10,000.0000	1,000,000.0000
Ca	1,000.0000	100,000.0000
Fe	1,000.0000	100,000.0000
K	1,000.0000	100,000.0000
Mg	1,000.0000	100,000.0000
Na	1,000.0000	100,000.0000
P	1,000.0000	100,000.0000
S	1,000.0000	100,000.0000
Mo	20.0000	2,000.0000
Ti	20.0000	2,000.0000

Parent Std No.: STD3164-07, ICPMS 2008CAL-1 Inorganic Ventures Aliquot Amount (ml): 0.0500
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Mo	20.0000	100.0000
Sb	20.0000	100.0000

Parent Std No.: STD3165-07, ICPMS 2008CAL-2 Inorganic Ventures Aliquot Amount (ml): 0.0500
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Ag	20.0000	100.0000
Al	20.0000	100.0000
As	20.0000	100.0000
Ba	20.0000	100.0000
Be	20.0000	100.0000
Cd	20.0000	100.0000
Co	20.0000	100.0000
Cr	20.0000	100.0000
Cu	20.0000	100.0000
Mn	20.0000	100.0000
Ni	20.0000	100.0000
Pb	20.0000	100.0000
Se	20.0000	100.0000
Th	20.0000	100.0000
Tl	20.0000	100.0000
U	20.0000	100.0000

V	20.0000	100.0000
Zn	20.0000	100.0000

Parent Std No.: STD3233-07, ICP-MS 10 ppm Sn — Aliquot Amount (ml): 0.1000
Parent Date Expires(1): 05-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Sn	10.0000	100.0000

STD3404-07, ICP-MS 100 ppb cal

Analyst: gomerd

Solvent: 5% HNO3 — Lot No.: E09043 — Volume (ml): 50.0000
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)
Date Expires(2): 07-17-2007 (1 Day)
pipettes: Met 19

Parent Std No.: STD2656-07, Iron Stock — Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 03-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Fe	1,000.0000	5,000.0000

Parent Std No.: STD3164-07, ICPMS 2008CAL-1 Inorganic Ventures — Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Mo	20.0000	100.0000
Sb	20.0000	100.0000

Parent Std No.: STD3165-07, ICPMS 2008CAL-2 Inorganic Ventures — Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 07-01-2008 Parent Date Expires(2): 07-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Ag	20.0000	100.0000
Al	20.0000	100.0000
As	20.0000	100.0000
Ba	20.0000	100.0000
Be	20.0000	100.0000
Cd	20.0000	100.0000
Co	20.0000	100.0000
Cr	20.0000	100.0000
Cu	20.0000	100.0000
Mn	20.0000	100.0000
Ni	20.0000	100.0000
Pb	20.0000	100.0000
Se	20.0000	100.0000
Th	20.0000	100.0000
Tl	20.0000	100.0000
U	20.0000	100.0000
V	20.0000	100.0000
Zn	20.0000	100.0000

Parent Std No.: STD3233-07, ICP-MS 10 ppm Sn
Parent Date Expires(1): 05-01-2008
Aliquot Amount (ml): 0.5000

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Sn	10.0000	100.0000

STD3405-07, ICPMS RL STD

Analyst: gomerd

Solvent: 5% HNO3 Lot No.: E09043
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)
pipettes: Met 21 and Met 8
Volume (ml): 10.0000

Parent Std No.: STD2554-07, ICP-MS 1 ppm Sn Std
Parent Date Expires(1): 11-26-2007
Aliquot Amount (ml): 0.0900

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Sn	1.0000	9.0000

Parent Std No.: STD2555-07, ICP-MS 1 ppm Zn Std
Parent Date Expires(1): 11-26-2007
Aliquot Amount (ml): 0.0900

Component	Initial Conc (ug/L)	Final Conc (ug/L)
1000 Zn	1,000.0000	9.0000

Parent Std No.: STD3404-07, ICP-MS 100 ppb cal
Parent Date Expires(1): 07-17-2007 Parent Date Expires(2): 07-17-2007
Aliquot Amount (ml): 0.1000

Component	Initial Conc (ug/L)	Final Conc (ug/L)
Fe	5,000.0000	50.0000
Mo	100.0000	1.0000
Sb	100.0000	1.0000
Ag	100.0000	1.0000
Al	100.0000	1.0000
As	100.0000	1.0000
Ba	100.0000	1.0000
Be	100.0000	1.0000
Cd	100.0000	1.0000
Co	100.0000	1.0000
Cr	100.0000	1.0000
Cu	100.0000	1.0000
Mn	100.0000	1.0000
Ni	100.0000	1.0000
Pb	100.0000	1.0000
Se	100.0000	1.0000
Th	100.0000	1.0000
Tl	100.0000	1.0000
U	100.0000	1.0000
V	100.0000	1.0000
Zn	100.0000	1.0000
Sn	100.0000	1.0000

STD3406-07, ICP-MS AFCEE RL STD

Analyst: gomerd

Solvent: 5% HNO3 Lot No.: E09043
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)
pipettes: Met 19 and Met 2

Volume (ml): 5.0000

Parent Std No.: STD3405-07, ICPMS RL STD
Parent Date Expires(1): 07-17-2007

Aliquot Amount (ml): 1.0000

Component	Initial Conc (ug/L)	Final Conc (ug/L)
Sn	9.0000	1.8000
1000 Zn	9.0000	1.8000
Fe	50.0000	10.0000
Mo	1.0000	0.2000
Sb	1.0000	0.2000
Ag	1.0000	0.2000
Al	1.0000	0.2000
As	1.0000	0.2000
Ba	1.0000	0.2000
Be	1.0000	0.2000
Cd	1.0000	0.2000
Co	1.0000	0.2000
Cr	1.0000	0.2000
Cu	1.0000	0.2000
Mn	1.0000	0.2000
Ni	1.0000	0.2000
Pb	1.0000	0.2000
Se	1.0000	0.2000
Th	1.0000	0.2000
Tl	1.0000	0.2000
U	1.0000	0.2000
V	1.0000	0.2000
Zn	1.0000	0.2000
Sn	1.0000	0.2000

STD3407-07, ICPMS ULR STD 1000 ppb

Analyst: gomerd

Solvent: 5% HNO3 Lot No.: E09043
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)
pipettes: Met 19 and Met 8

Volume (ml): 10.0000

Parent Std No.: STD6375-06, ICPMS ICV SOLUTION A (High Purity)
Parent Date Expires(1): 11-13-2007 Parent Date Expires(2): 11-13-2007

Aliquot Amount (ml): 1.0000

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Al	10.0000	1,000.0000
As	10.0000	1,000.0000
Ba	10.0000	1,000.0000

Be	10.0000	1,000.0000
Cd	10.0000	1,000.0000
Co	10.0000	1,000.0000
Cr	10.0000	1,000.0000
Cu	10.0000	1,000.0000
Fe	250.0000	25,000.0000
Li	10.0000	1,000.0000
Mn	10.0000	1,000.0000
Ni	10.0000	1,000.0000
Pb	10.0000	1,000.0000
Se	10.0000	1,000.0000
Th	10.0000	1,000.0000
Tl	10.0000	1,000.0000
U	10.0000	1,000.0000
V	10.0000	1,000.0000
Zn	10.0000	1,000.0000

Parent Std No.: STD6376-06, ICPMS ICV SOLUTION B (High Purity) Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 11-13-2007 Parent Date Expires(2): 11-13-2007

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Ag	10.0000	1,000.0000
Mo	10.0000	1,000.0000
Sb	10.0000	1,000.0000
Sn	10.0000	1,000.0000
Zr	10.0000	1,000.0000

STD3408-07, ICPMS ICV

Analyst: gomerd

Solvent: 5% HNO3 Lot No.: E09043 Volume (ml): 10.0000
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)
pipettes: Met 21 and Met 8

Parent Std No.: STD1728-07, ICPMS ICV SOLUTION A (High Purity) Aliquot Amount (ml): 0.0400
Parent Date Expires(1): 04-09-2008 Parent Date Expires(2): 04-09-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Al	10.0000	40.0000
As	10.0000	40.0000
Ba	10.0000	40.0000
Be	10.0000	40.0000
Cd	10.0000	40.0000
Co	10.0000	40.0000
Cr	10.0000	40.0000
Cu	10.0000	40.0000
Fe	250.0000	1,000.0000
Li	10.0000	40.0000
Mn	10.0000	40.0000
Ni	10.0000	40.0000
Pb	10.0000	40.0000

Se	10.0000	40.0000
Th	10.0000	40.0000
Tl	10.0000	40.0000
U	10.0000	40.0000
V	10.0000	40.0000
Zn	10.0000	40.0000

Parent Std No.: STD1729-07, ICPMS ICV SOLUTION B (High Purity) Aliquot Amount (ml): 0.0400
Parent Date Expires(1): 04-09-2008 Parent Date Expires(2): 04-09-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Ag	10.0000	40.0000
Mo	10.0000	40.0000
Sb	10.0000	40.0000
Sn	10.0000	40.0000
Zr	10.0000	40.0000

STD3409-07, ICP-MS BLANK

Analyst: gomerd

Solvent: Water
Date Prep./Opened: 07-16-2007
Date Expires(1): 07-17-2007 (1 Day)

Volume (ml): 1,000.0000

Parent Std No.: STD3316-07, NITRIC ACID Aliquot Amount (ml): 50.0000
Parent Date Expires(1): 07-10-2008

Component	Initial Conc (%)	Final Conc (%)
HNO3	100.0000	5.0000

STD3429-07, ICP-MS ICSA

Analyst: gomerd

Solvent: 5% HNO3 Lot No.: E09043
Date Prep./Opened: 07-16-2007
Date Expires(1): 12-27-2007 (6 Months)
pipettes: Met 2

Volume (ml): 50.0000

Parent Std No.: STD1535-07, ICPMS Interferent Check Standard Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 12-27-2007 Parent Date Expires(2): 01-01-2008

Component	Initial Conc (ug/ml)	Final Conc (ug/L)
Al	1,000.0000	100,000.0000
C	2,000.0000	200,000.0000
CL	10,000.0000	1,000,000.0000
Ca	1,000.0000	100,000.0000
Fe	1,000.0000	100,000.0000
K	1,000.0000	100,000.0000
Mg	1,000.0000	100,000.0000
Na	1,000.0000	100,000.0000
P	1,000.0000	100,000.0000
S	1,000.0000	100,000.0000
Mo	20.0000	2,000.0000
Ti	20.0000	2,000.0000

Reviewed By: DG 7/18/07

STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: 071607A **Analyst: DEG**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	~~Blank~~				1.0	~~07/16/07 10:50~~	DG 7/18/07	☐
2	Blank				1.0	07/16/07 10:54		☐
3	Standard 1				1.0	07/16/07 10:58		☐
4	ICV				1.0	07/16/07 11:02		☐
5	ICB				1.0	07/16/07 11:05		☐
6	RLSTD				1.0	07/16/07 11:09		☐
7	AFCEE RL				1.0	07/16/07 11:13		☐
8	ICSA				1.0	07/16/07 11:16		☐
9	ICSAB				1.0	07/16/07 11:20		☐
10	RINSE				1.0	07/16/07 11:24		☐
11	HIGH CHECK				1.0	07/16/07 11:30		☐
12	RINSE				1.0	07/16/07 11:34		☐
13	CCV				1.0	07/16/07 11:38		☐
14	CCB				1.0	07/16/07 11:42		☐
15	J2JA6B	D7G090000	7190428	04	1.0	07/16/07 11:48		☐
16	J2JA6C	D7G090000	7190428	04	1.0	07/16/07 11:51		☐
17	J2GMW	D7G070107-1	7190428	04	1.0	07/16/07 11:55		☐
18	J2GMWP5	D7G070107	7190428		5.0	07/16/07 11:59		☐
19	J2GMWZ	D7G070107-1	7190428		1.0	07/16/07 12:03		☐
20	J2GMWS	D7G070107-1	7190428	04	1.0	07/16/07 12:06		☐
21	J2GMWD	D7G070107-1	7190428	04	1.0	07/16/07 12:10		☐
22	CCV				1.0	07/16/07 12:14		☐
23	CCB				1.0	07/16/07 12:18		☐
24	J2GM4	D7G070107-2	7190428	04	1.0	07/16/07 12:21		☐
25	J2GM5	D7G070107-3	7190428	04	1.0	07/16/07 12:25		☐
26	J2GM6	D7G070107-4	7190428	04	1.0	07/16/07 12:29		☐
27	J2GM7	D7G070107-5	7190428	04	1.0	07/16/07 12:33	12erun	☐
28	J2GM9	D7G070107-7	7190428	04	1.0	07/16/07 12:37		☐
29	J2GNC	D7G070107-8	7190428	04	1.0	07/16/07 12:40		☐
30	J2GND	D7G070107-9	7190428	04	1.0	07/16/07 12:44		☐
31	J2GNE	D7G070107-10	7190428	04	1.0	07/16/07 12:48		☐
32	J2GNF	D7G070107-11	7190428	04	1.0	07/16/07 12:52		☐
33	CCV				1.0	07/16/07 12:55		☐
34	CCB				1.0	07/16/07 12:59		☐
35	J2LQ0B	D7G110000	7192112	04	1.0	07/16/07 13:03		☐
36	J2LQ0C	D7G110000	7192112	04	1.0	07/16/07 13:06		☐
37	J2JXW	D7G100136-1	7192112	04	1.0	07/16/07 13:10		☐
38	J2JX3	D7G100136-2	7192112	04	1.0	07/16/07 13:14		☐
39	J2JX3P5	D7G100136	7192112		5.0	07/16/07 13:18		☐
40	J2JX3Z	D7G100136-2	7192112		1.0	07/16/07 13:21		☐
41	J2JX3S	D7G100136-2	7192112	04	1.0	07/16/07 13:25		☐
42	J2JX3D	D7G100136-2	7192112	04	1.0	07/16/07 13:29		☐
43	CCV				1.0	07/16/07 13:33		☐
44	CCB				1.0	07/16/07 13:36		☐
45	~~RINSE~~				~~1.0~~	~~07/16/07 13:43~~	DG 7/18/07	☐
46	~~RINSE~~				~~1.0~~	~~07/16/07 13:46~~	DG 7/18/07	☐

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STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: **071607A** **Analyst: DEG**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
~~47~~	~~RINSE~~				~~1.0~~	~~07/16/07 13:50~~		☐
48	RINSE				1.0	07/16/07 13:54		☐
49	RINSE				1.0	07/16/07 13:58		☐
50	RINSE				1.0	07/16/07 14:01		☐
51	RINSE				1.0	07/16/07 14:05		☐
52	RINSE				1.0	07/16/07 14:10		☐
53	RINSE				1.0	07/16/07 14:13		☐
54	RINSE				1.0	07/16/07 14:33	DG7/18/07	☐
55	Blank				1.0	07/16/07 14:53		☐
56	Standard 1				1.0	07/16/07 14:57		☐
57	CCV				1.0	07/16/07 15:01		☐
58	CCB				1.0	07/16/07 15:05		☐
59	ICSA				1.0	07/16/07 15:09		☐
60	ICSAB				1.0	07/16/07 15:13	REMAKE	☐
61	RINSE				1.0	07/16/07 15:16		☐
62	HIGH CHECK				1.0	07/16/07 15:20		☐
63	RINSE				1.0	07/16/07 15:26		☐
64	ICSA				1.0	07/16/07 15:32		☐
65	ICSA B				1.0	07/16/07 15:36	REMAKE	☐
66	ICSA B				1.0	07/16/07 15:44		☐
67	RINSE				1.0	07/16/07 15:47		☐
68	CCV				1.0	07/16/07 15:51		☐
69	CCB				1.0	07/16/07 15:55		☐
70	J2EV0B	D7G060000	7187290	MS	1.0	07/16/07 15:59		☐
71	J2EV0C	D7G060000	7187290	MS	1.0	07/16/07 16:03		☐
72	J18AM	D7G020182-2	7187290	MS	1.0	07/16/07 16:07		☐
73	J18A8	D7G020182-3	7187290	MS	1.0	07/16/07 16:10		☐
74	J18A9	D7G020182-4	7187290	MS	1.0	07/16/07 16:14		☐
75	J18A9P5	D7G020182	7187290		5.0	07/16/07 16:18		☐
76	J18A9Z	D7G020182-4	7187290		1.0	07/16/07 16:22		☐
77	CCV				1.0	07/16/07 16:26		☐
78	CCB				1.0	07/16/07 16:29		☐
79	Blank				1.0	07/16/07 16:35		☐
369	Blank				1.0	07/16/07 16:35		☐
80	Standard 1				1.0	07/16/07 16:39		☐
370	Standard 1				1.0	07/16/07 16:39		☐
81	CCV				1.0	07/16/07 16:42		☐
371	CCV				1.0	07/16/07 16:42		☐
82	CCB				1.0	07/16/07 16:46		☐
372	CCB				1.0	07/16/07 16:46		☐
83	J15XLB	D7F300000	7181070	04	1.0	07/16/07 16:50	SAMPLES REPROCESSED WITH	☐
373	J15XLB	D7F300000	7181070	04	1.0	07/16/07 16:50	CORRECT DILUTION FACTOR	☐
83	J15XLB	D7F300000	7181070		1.0	07/16/07 16:50	APPLIED DG7/18/07	☐
373	J15XLB	D7F300000	7181070		1.0	07/16/07 16:50		☐
84	J15XLC	D7F300000	7181070	04	1.0	07/16/07 16:54		☐
374	J15XLC	D7F300000	7181070	04	1.0	07/16/07 16:54		☐

STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: 071607A **Analyst:** DEG

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
84	J15XLC	D7F300000	7181070		1.0	07/16/07 16:54		☐
374	J15XLC	D7F300000	7181070		1.0	07/16/07 16:54		☐
85	J147Q	D7F290419-1	7181070	04	1.0	07/16/07 16:58		☐
375	J147Q	D7F290419-1	7181070	04	1.0	07/16/07 16:58		☐
85	J147Q	D7F290419-1	7181070		1.0	07/16/07 16:58		☐
375	J147Q	D7F290419-1	7181070		1.0	07/16/07 16:58		☐
86	J1477	D7F290419-2	7181070	04	1.0	07/16/07 17:02		☐
376	J1477	D7F290419-2	7181070	04	1.0	07/16/07 17:02		☐
86	J1477	D7F290419-2	7181070		1.0	07/16/07 17:02		☐
376	J1477	D7F290419-2	7181070		1.0	07/16/07 17:02		☐
87	J1477S	D7F290419-2	7181070	04	1.0	07/16/07 17:05		☐
377	J1477S	D7F290419-2	7181070	04	1.0	07/16/07 17:05		☐
87	J1477S	D7F290419-2	7181070		1.0	07/16/07 17:05		☐
377	J1477S	D7F290419-2	7181070		1.0	07/16/07 17:05		☐
88	J1477D	D7F290419-2	7181070	04	1.0	07/16/07 17:09		☐
378	J1477D	D7F290419-2	7181070	04	1.0	07/16/07 17:09		☐
88	J1477D	D7F290419-2	7181070		1.0	07/16/07 17:09		☐
378	J1477D	D7F290419-2	7181070		1.0	07/16/07 17:09		☐
89	CCV				1.0	07/16/07 17:13		☐
90	CCB				1.0	07/16/07 17:17		☐
91	J1478	D7F290419-3	7181070	04	1.0	07/16/07 17:22		☐
92	J1479	D7F290419-4	7181070	04	1.0	07/16/07 17:25		☐
93	J148D	D7F290419-5	7181070	04	1.0	07/16/07 17:29		☐
94	J148J	D7F290419-6	7181070	04	1.0	07/16/07 17:33		☐
95	J148P	D7F290419-7	7181070	04	1.0	07/16/07 17:37		☐
96	J1483	D7F290419-8	7181070	04	1.0	07/16/07 17:41		☐
97	CCV				1.0	07/16/07 17:44		☐
98	CCB				1.0	07/16/07 17:48		☐
~~99~~	~~J1484~~	~~D7F290419-9~~	~~7181070~~	~~04~~	~~1.0~~	~~07/16/07 17:52~~		☐
100	J1488	D7F290419-11	7181070	04	1.0	07/16/07 17:55		☐
101	J149C	D7F290419-12	7181070	04	1.0	07/16/07 17:59		☐
102	J149D	D7F290419-13	7181070	04	1.0	07/16/07 18:03		☐
103	J149G	D7F290419-14	7181070	04	1.0	07/16/07 18:07		☐
~~104~~	~~J149H~~	~~D7F290419-15~~	~~7181070~~	~~04~~	~~1.0~~	~~07/16/07 18:10~~	DG 7/18/07	☐
105	CCV				1.0	07/16/07 18:14		☐
106	CCB				1.0	07/16/07 18:18		☐
~~107~~	~~RINSE~~				~~1.0~~	~~07/16/07 18:22~~		☐
108	RINSE				1.0	07/16/07 18:25		☐
109	RINSE				1.0	07/16/07 18:29		☐
110	RINSE				1.0	07/16/07 18:33		☐
~~111~~	~~RINSE~~				~~1.0~~	~~07/16/07 18:37~~	DG 7/18/07	☐
112	CCV				1.0	07/16/07 18:40		☐
113	CCB				1.0	07/16/07 18:44		☐
114	Blank				1.0	07/16/07 18:49		☐
115	Standard 1				1.0	07/16/07 18:52		☐
116	CCV				1.0	07/16/07 18:56		☐

STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: **071607A** **Analyst: DEG**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
117	CCB				1.0	07/16/07 19:00		☐
118	J1484	D7F290419-9	7181070	04	1.0	07/16/07 19:03		☐
119	J1488	D7F290419-11	7181070	04	1.0	07/16/07 19:07		☐
120	J149C	D7F290419-12	7181070	04	1.0	07/16/07 19:11		☐
121	J149D	D7F290419-13	7181070	04	1.0	07/16/07 19:15		☐
122	J149G	D7F290419-14	7181070	04	1.0	07/16/07 19:18		☐
123	J149H	D7F290419-15	7181070	04	1.0	07/16/07 19:22		☐
124	CCV				1.0	07/16/07 19:26		☐
125	CCB				1.0	07/16/07 19:30		☐
126	J149K	D7F290419-16	7181070	04	1.0	07/16/07 19:33		☐
127	J149R	D7F290419-17	7181070	04	1.0	07/16/07 19:37		☐
128	J149T	D7F290419-18	7181070	04	1.0	07/16/07 19:41		☐
129	J149W	D7F290419-19	7181070	04	1.0	07/16/07 19:45		☐
130	J149X	D7F290419-20	7181070	04	1.0	07/16/07 19:49		☐
131	CCV				1.0	07/16/07 19:52		☐
132	CCB				1.0	07/16/07 19:56		☐
133	J151RB	D7F300000	7181119	MS	1.0	07/16/07 20:00		☐
134	J151RC	D7F300000	7181119	MS	1.0	07/16/07 20:04		☐
135	J1RWF	D7F260172-29	7181119	MS	1.0	07/16/07 20:07		☐
136	J11C0	D7F280208-1	7181119	MS	1.0	07/16/07 20:11		☐
137	J11D2	D7F280208-3	7181119	MS	1.0	07/16/07 20:15		☐
138	J11D2P5	D7F280208	7181119		5.0	07/16/07 20:19		☐
139	CCV				1.0	07/16/07 20:22		☐
140	CCB				1.0	07/16/07 20:26		☐
141	J11D2Z	D7F280208-3	7181119		1.0	07/16/07 20:30		☐
142	J11D2S	D7F280208-3	7181119	MS	1.0	07/16/07 20:34		☐
143	J11D2D	D7F280208-3	7181119	MS	1.0	07/16/07 20:37		☐
144	J11EE	D7F280208-5	7181119	MS	1.0	07/16/07 20:41		☐
145	J11EM	D7F280208-7	7181119	MS	1.0	07/16/07 20:45		☐
146	J11EV	D7F280208-9	7181119	MS	1.0	07/16/07 20:49		☐
147	CCV				1.0	07/16/07 20:52		☐
148	CCB				1.0	07/16/07 20:56		☐
149	J2D73B	D7G060000	7187159	04	1.0	07/16/07 21:00		☐
150	J2D73C	D7G060000	7187159	04	1.0	07/16/07 21:04		☐
151	J2AEW	D7G030359-1	7187159	04	1.0	07/16/07 21:07		☐
152	J2DVK	D7G050263-1	7187159	04	1.0	07/16/07 21:11		☐
153	J2DVKS	D7G050263-1	7187159	04	1.0	~~07/16/07 21:15~~	067/18/07	☐
154	J2DVKD	D7G050263-1	7187159	04	1.0	~~07/16/07 21:19~~	06 7/18/07	☐
155	CCV				1.0	07/16/07 21:23		☐
156	CCB				1.0	07/16/07 21:26		☐
157	Blank				1.0	07/16/07 21:30		☐
158	Standard 1				1.0	07/16/07 21:34		☐
159	CCV				1.0	07/16/07 21:37		☐
160	CCB				1.0	07/16/07 21:41		☐
161	J2DVKS	D7G050263-1	7187159	04	1.0	07/16/07 21:45		☐
162	J2DVKD	D7G050263-1	7187159	04	1.0	07/16/07 21:49		☐

STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: **071607A** **Analyst: DEG**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
163	CCV				1.0	07/16/07 21:52		☐
164	CCB				1.0	07/16/07 21:56		☐
165	J2DA1	D7G050197-2	7187159	04	1.0	07/16/07 22:00		☐
166	J2DA3	D7G050197-3	7187159	04	1.0	07/16/07 22:04		☐
167	~~J19RQ~~	~~D7G030257-1~~	~~7187159~~	~~04~~	~~1.0~~	~~07/16/07 22:07~~		☐
168	J19R6	D7G030257-2	7187159	04	1.0	07/16/07 22:11		☐
169	J19R7	D7G030257-3	7187159	04	1.0	07/16/07 22:15		☐
170	J19TA	D7G030257-4	7187159	04	1.0	07/16/07 22:19		☐
171	~~J19TD~~	~~D7G030257-5~~	~~7187159~~	~~04~~	~~1.0~~	~~07/16/07 22:22~~	DG 7/18/07	☐
172	CCV				1.0	07/16/07 22:26		☐
173	CCB				1.0	07/16/07 22:30		☐
174	Blank				1.0	07/16/07 22:34		☐
175	Standard 1				1.0	07/16/07 22:38		☐
176	CCV				1.0	07/16/07 22:42		☐
177	CCB				1.0	07/16/07 22:47		☐
178	J19RQ	D7G030257-1	7187159	04	1.0	07/16/07 22:51		☐
179	J19R6 2X	D7G030257-2	7187159	04	2.0	07/16/07 22:54		☐
180	J19R7 2X	D7G030257-3	7187159	04	2.0	07/16/07 22:58		☐
181	J19TA 5X	D7G030257-4	7187159	04	5.0	07/16/07 23:02		☐
182	J19TD 5X	D7G030257-5	7187159	04	5.0	07/16/07 23:05		☐
183	CCV				1.0	07/16/07 23:09		☐
184	CCB				1.0	07/16/07 23:13		☐
185	ICSA				1.0	07/16/07 23:19		☐
186	ICSAB				1.0	07/16/07 23:23		☐
187	RINSE				1.0	07/16/07 23:26		☐
188	CCV				1.0	07/16/07 23:30		☐
189	CCB				1.0	07/16/07 23:34		☐
190	J2ET7BF	D7G060000	7187286	MD	1.0	07/16/07 23:38		☐
191	J2ET7CF	D7G060000	7187286	MD	1.0	07/16/07 23:41		☐
192	J16AHF	D7F300133-2	7187286	MD	1.0	07/16/07 23:45		☐
193	J16A0F	D7F300133-4	7187286	MD	1.0	07/16/07 23:49		☐
194	J16A2F	D7F300133-6	7187286	MD	1.0	07/16/07 23:53		☐
195	J16CEF	D7F300133-8	7187286	MD	1.0	07/16/07 23:56		☐
196	J16CHF	D7F300133-10	7187286	MD	1.0	07/17/07 00:00		☐
197	J16CMF	D7F300133-12	7187286	MD	1.0	07/17/07 00:04		☐
198	J16CVF	D7F300133-14	7187286	MD	1.0	07/17/07 00:08		☐
199	CCV				1.0	07/17/07 00:12		☐
200	CCB				1.0	07/17/07 00:15		☐
201	J16C9F	D7F300133-26	7187286	MD	1.0	07/17/07 00:19		☐
202	J16C9P5F	D7F300133	7187286		5.0	07/17/07 00:23		☐
203	J16C9ZF	D7F300133-26	7187286		1.0	07/17/07 00:27		☐
204	J16C9SF	D7F300133-26	7187286	MD	1.0	07/17/07 00:30		☐
205	J16C9DF	D7F300133-26	7187286	MD	1.0	07/17/07 00:34		☐
206	CCV				1.0	07/17/07 00:38		☐
207	CCB				1.0	07/17/07 00:41		☐
208	J16CXF	D7F300133-16	7187286	MD	1.0	07/17/07 00:45		☐

STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: **071607A** **Analyst: DEG**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
209	J16C1F	D7F300133-18	7187286	MD	1.0	07/17/07 00:49		☐
210	J16C3F	D7F300133-20	7187286	MD	1.0	07/17/07 00:53		☐
211	J16C5F	D7F300133-22	7187286	MD	1.0	07/17/07 00:56		☐
212	J16C7F	D7F300133-24	7187286	MD	1.0	07/17/07 01:00		☐
213	CCV				1.0	07/17/07 01:04		☐
214	CCB				1.0	07/17/07 01:08		☐
215	J15V8B	D7F300000	7181046	46	1.0	07/17/07 01:11		☐
216	J15V8C	D7F300000	7181046	46	1.0	07/17/07 01:15		☐
217	J1XHL	D7F270299-1	7181046	46	1.0	07/17/07 01:19		☐
218	J1XHR	D7F270299-2	7181046	46	1.0	07/17/07 01:23		☐
219	J1XHT	D7F270299-3	7181046	46	1.0	07/17/07 01:26		☐
220	CCV				1.0	07/17/07 01:30		☐
221	CCB				1.0	07/17/07 01:34		☐
222	J1XHV	D7F270299-4	7181046	46	1.0	07/17/07 01:38		☐
223	J1XHX	D7F270299-5	7181046	46	1.0	07/17/07 01:41		☐
224	J1XH0	D7F270299-6	7181046	46	1.0	07/17/07 01:45		☐
225	J1XH1	D7F270299-7	7181046	46	1.0	07/17/07 01:49		☐
226	J1XH1P5	D7F270299	7181046		5.0	07/17/07 01:53		☐
227	CCV				1.0	07/17/07 01:56		☐
228	CCB				1.0	07/17/07 02:00		☐
229	J1XH1Z	D7F270299-7	7181046		1.0	07/17/07 02:04		☐
230	J1XH1S	D7F270299-7	7181046	46	1.0	07/17/07 02:07		☐
231	J1XH1D	D7F270299-7	7181046	46	1.0	07/17/07 02:11		☐
232	J1XH4	D7F270299-8	7181046	46	1.0	07/17/07 02:15		☐
233	J1XH6	D7F270299-9	7181046	46	1.0	07/17/07 02:19		☐
234	J1XH8	D7F270299-10	7181046	46	1.0	07/17/07 02:22		☐
235	J1XH9	D7F270299-11	7181046	46	1.0	07/17/07 02:26		☐
236	CCV				1.0	07/17/07 02:30		☐
237	CCB				1.0	07/17/07 02:34		☐
238	J2PPEBF	D7G120000	7193216	MD	1.0	07/17/07 02:37		☐
239	J2PPECF	D7G120000	7193216	MD	1.0	07/17/07 02:41		☐
240	J2MR7F	D7G110219-4	7193216	MD	1.0	07/17/07 02:45		☐
241	J2MR7P5F	D7G110219	7193216		5.0	07/17/07 02:49		☐
242	J2MR7ZF	D7G110219-4	7193216		1.0	07/17/07 02:53		☐
243	J2MR7SF	D7G110219-4	7193216	MD	1.0	07/17/07 02:56		☐
244	J2MR7DF	D7G110219-4	7193216	MD	1.0	07/17/07 03:00		☐
245	CCV				1.0	07/17/07 03:04		☐
246	CCB				1.0	07/17/07 03:07		☐
247	J2PD2B	D7G120000	7193121	46	1.0	07/17/07 03:11		☐
248	J2PD2C	D7G120000	7193121	46	1.0	07/17/07 03:15		☐
249	J2MTF	D7G110219-5	7193121	46	1.0	07/17/07 03:18		☐
250	J2MTFP5	D7G110219	7193121		5.0	07/17/07 03:22		☐
251	J2MTFZ	D7G110219-5	7193121		1.0	07/17/07 03:26		☐
252	J2MTFS	D7G110219-5	7193121	46	1.0	07/17/07 03:30		☐
253	J2MTFD	D7G110219-5	7193121	46	1.0	07/17/07 03:33		☐
254	J2MTR	D7G110219-7	7193121	46	1.0	07/17/07 03:37		☐

STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: **071607A** **Analyst: DEG**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
255	J2NFA				1.0	07/17/07 03:41	~~NOT REQUESTED~~ OK06 7/19/07	☐
256	CCV				1.0	07/17/07 03:45		☐
257	CCB				1.0	07/17/07 03:48		☐
258	J2ERXB	D7G060000	7187279	04	1.0	07/17/07 03:52		☐
259	J2ERXC	D7G060000	7187279	04	1.0	07/17/07 03:56		☐
260	J2EQE	D7G060145-1	7187279	04	1.0	07/17/07 04:00		☐
261	J2EQEP5	D7G060145	7187279		5.0	07/17/07 04:03		☐
262	J2EQEZS	D7G060145-1	7187279	04	1.0	07/17/07 04:07		☐
263	J2EQES	D7G060145-1	7187279	04	1.0	07/17/07 04:11		☐
264	J2EQED	D7G060145-1	7187279	04	1.0	07/17/07 04:15		☐
265	CCV				1.0	07/17/07 04:18		☐
266	CCB				1.0	07/17/07 04:22		☐
267	J2EQL	D7G060145-2	7187279	04	1.0	07/17/07 04:26		☐
268	J2EQN	D7G060145-3	7187279	04	1.0	07/17/07 04:29		☐
269	J2EQQ	D7G060145-4	7187279	04	1.0	07/17/07 04:33		☐
270	J2EQV	D7G060145-5	7187279	04	1.0	07/17/07 04:37		☐
271	J2EQ1	D7G060145-6	7187279	04	1.0	07/17/07 04:41		☐
272	J2EQ5 5X	D7G060145-7	7187279	04	5.0	07/17/07 04:44		☐
273	CCV				1.0	07/17/07 04:48		☐
274	CCB				1.0	07/17/07 04:52		☐
275	J2PKRB	D7G120000	7193187	04	1.0	07/17/07 04:55		☐
276	J2PKRC	D7G120000	7193187	04	1.0	07/17/07 04:59		☐
277	J2M83	D7G110302-1	7193187	04	1.0	07/17/07 05:03		☐
278	J2M83S	D7G110302-1	7193187	04	1.0	07/17/07 05:07		☐
279	J2M83D	D7G110302-1	7193187	04	1.0	07/17/07 05:11		☐
280	J2NGQ	D7G110337-1	7193187	04	1.0	07/17/07 05:14		☐
281	J2NGQS	D7G110337-1	7193187	04	1.0	07/17/07 05:18		☐
282	J2NGQD	D7G110337-1	7193187	04	1.0	07/17/07 05:22		☐
283	J2NHJ	D7G110337-2	7193187	04	1.0	07/17/07 05:25	06 7/18/07	☐
284	CCV				1.0	07/17/07 05:29		☐
285	CCB				1.0	07/17/07 05:33		☐
286	J2JA3B	D7G090000	7190427	04	1.0	07/17/07 05:37		☐
287	J2JA3C	D7G090000	7190427	04	1.0	07/17/07 05:40		☐
288	J2EXV	D7G060171-1	7190427	04	1.0	07/17/07 05:44		☐
289	J2EXVP5	D7G060171	7190427		5.0	07/17/07 05:48		☐
290	J2EXVZ	D7G060171-1	7190427		1.0	07/17/07 05:51		☐
291	J2EXVS	D7G060171-1	7190427	04	1.0	07/17/07 05:55		☐
292	J2EXVD	D7G060171-1	7190427	04	1.0	07/17/07 05:59		☐
293	CCV				1.0	07/17/07 06:03		☐
294	CCB				1.0	07/17/07 06:06		☐
295	J2EXX	D7G060171-2	7190427	04	1.0	07/17/07 06:10		☐
296	J2EX0	D7G060171-3	7190427	04	1.0	07/17/07 06:14		☐
297	J2EX1	D7G060171-4	7190427	04	1.0	07/17/07 06:18		☐
298	J2EX4	D7G060171-5	7190427	04	1.0	07/17/07 06:21		☐
299	J2EX5	D7G060171-6	7190427	04	1.0	07/17/07 06:25		☐
300	J2EX6	D7G060171-7	7190427	04	1.0	07/17/07 06:29		☐

STL Denver

RUN SUMMARY

Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

File ID: **071607A** **Analyst: DEG**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
301	J2EX8	D7G060171-8	7190427	04	1.0	07/17/07 06:32		☐
302	J2EX9	D7G060171-9	7190427	04	1.0	07/17/07 06:36		☐
303	CCV				1.0	07/17/07 06:40		☐
304	CCB				1.0	07/17/07 06:44		☐
305	J2HN1BK	R7G090000	7193567	38	1.0	07/17/07 06:47		☐
306	J2RTACK	D7G120000	7193567	38	1.0	07/17/07 06:51		☐
307	J2E05K 5X	D7G060180-1	7193567	38	5.0	07/17/07 06:55		☐
308	J2E05PK25	D7G060180	7193567		1.0	07/17/07 06:58		☐
309	J2E05ZK	D7G060180-1	7193567		1.0	07/17/07 07:02		☐
310	CCV				1.0	07/17/07 07:06		☐
311	CCB				1.0	07/17/07 07:10		☐
312	J2E05SK 5X	D7G060180-1	7193567	38	5.0	07/17/07 07:13		☐
313	J2E05DK 5X	D7G060180-1	7193567	38	5.0	07/17/07 07:17		☐
314	J2FTCK 5X	D7G060261-1	7193567	38	5.0	07/17/07 07:21		☐
315	J2FVGK 5X	D7G060263-1	7193567	38	5.0	07/17/07 07:25		☐
316	J2FWJK 5X	D7G060267-1	7193567	38	5.0	07/17/07 07:28		☐
317	J2FWQK 5X	D7G060267-2	7193567	38	5.0	07/17/07 07:32		☐
318	CCV				1.0	07/17/07 07:36		☐
319	CCB				1.0	07/17/07 07:40		☐
320	J150NBF	D7F300000	7181106	55	1.0	07/17/07 07:43		☐
321	J150NCF	D7F300000	7181106	55	1.0	07/17/07 07:47		☐
322	J150NLF	D7F300000	7181106	55	1.0	07/17/07 07:51		☐
323	J1L7TF	D7F220355-1	7181106	55	1.0	07/17/07 07:55		☐
324	J1L7TP5F	D7F220355	7181106		5.0	07/17/07 07:58		☐
325	J1L7TZF	D7F220355-1	7181106		1.0	07/17/07 08:02		☐
326	J1L7TSF	D7F220355-1	7181106	55	1.0	07/17/07 08:06		☐
327	J1L7TDF	D7F220355-1	7181106	55	1.0	07/17/07 08:10		☐
328	CCV				1.0	07/17/07 08:14		☐
329	CCB				1.0	07/17/07 08:17		☐
330	J1L83F	D7F220355-2	7181106	55	1.0	07/17/07 08:21		☐
331	J1L88F	D7F220355-3	7181106	55	1.0	07/17/07 08:25		☐
332	J1L89F	D7F220355-4	7181106	55	1.0	07/17/07 08:29		☐
333	J1L9CF	D7F220355-5	7181106	55	1.0	07/17/07 08:32		☐
334	J1L9DF	D7F220355-6	7181106	55	1.0	07/17/07 08:36		☐
335	J1L9EF	D7F220355-7	7181106	55	1.0	07/17/07 08:40		☐
336	J1L9GF	D7F220355-8	7181106	55	1.0	07/17/07 08:44		☐
337	J1L9HF	D7F220355-9	7181106	55	1.0	07/17/07 08:47		☐
338	CCV				1.0	07/17/07 08:51		☐
339	CCB				1.0	07/17/07 08:55		☐
340	~~J1L9JF~~	~~D7F220355-10~~	~~7181106~~	~~55~~	~~1.0~~	~~07/17/07 08:59~~		☐
341	J1L9KF	D7F220355-11	7181106	55	1.0	07/17/07 09:02		☐
342	J1L9LF	D7F220355-12	7181106	55	1.0	07/17/07 09:06		☐
343	J1L9MF	D7F220355-13	7181106	55	1.0	07/17/07 09:10		☐
344	J1L9NF	D7F220355-14	7181106	55	1.0	07/17/07 09:14		☐
345	J1L9PF	D7F220355-15	7181106	55	1.0	07/17/07 09:18		☐
346	J1L9QF	D7F220355-16	7181106	55	1.0	07/17/07 09:21	D6 7/18/07	☐

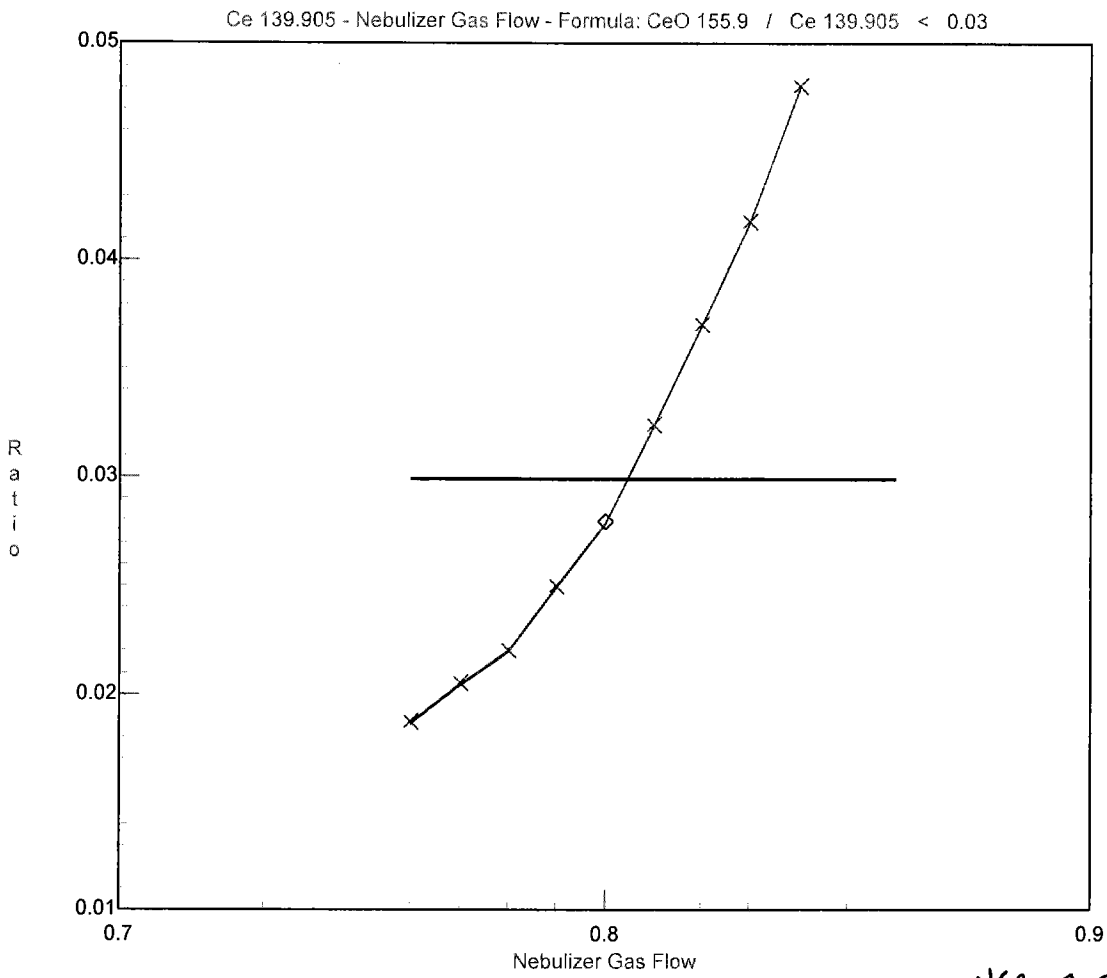
STL Denver

RUN SUMMARY

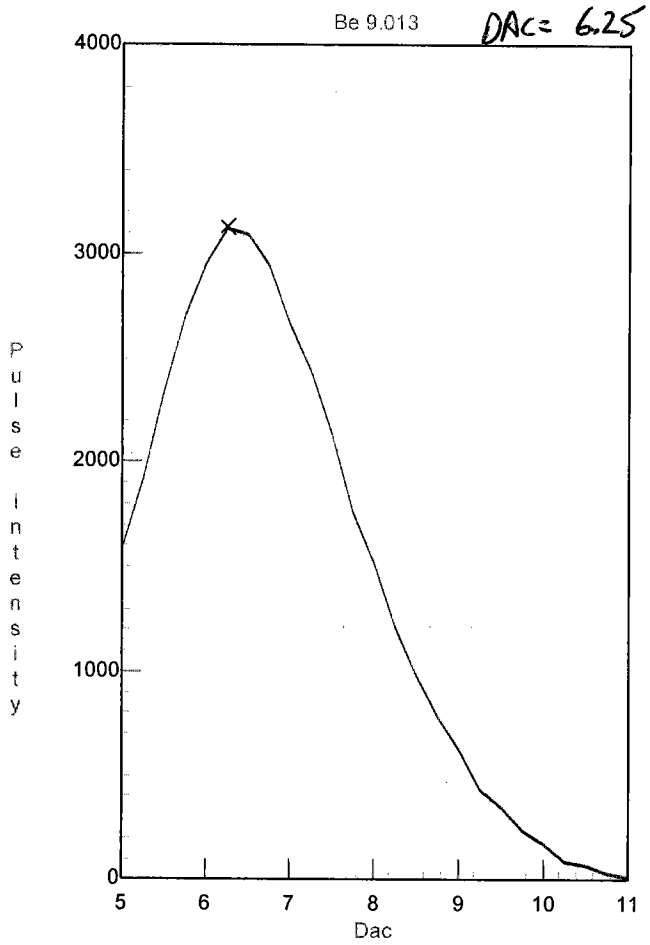
Method: 6020 (ICP/MS) 1 (004) Reported: 07/18/07 11:12:59

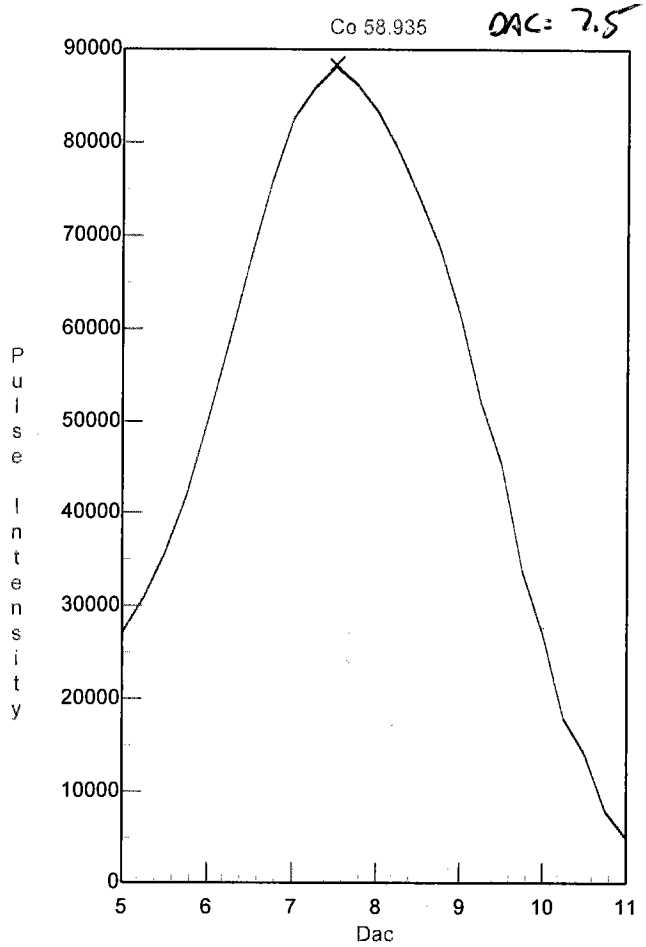
File ID: **071607A** **Analyst: DEG**

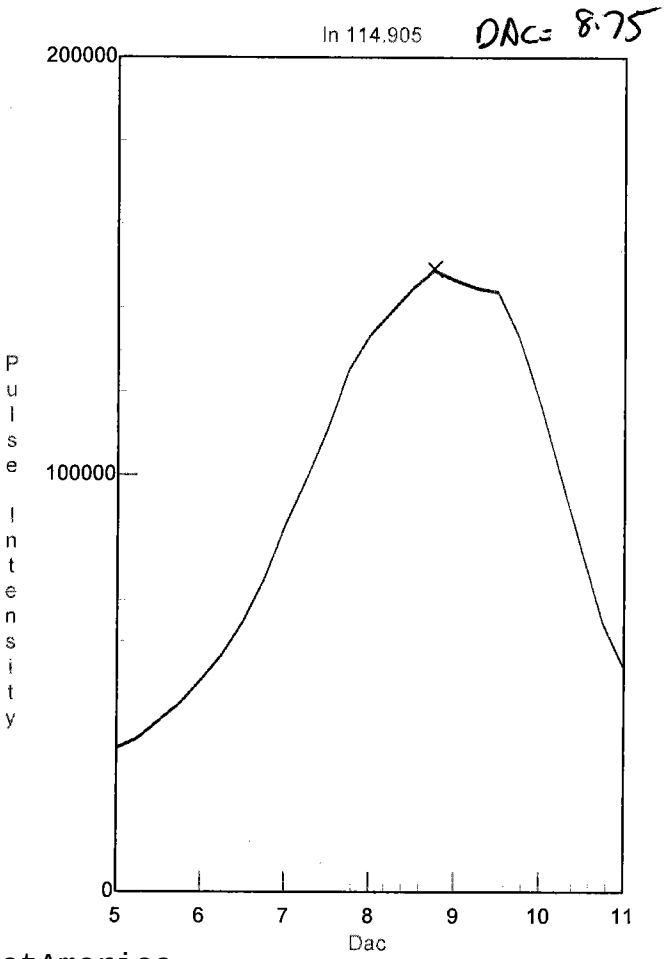
#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
347	J1NXKF	D7F230175-1	7181106	55	1.0	07/17/07 09:26	D6 7/18/07	☐
348	J1NXNF	D7F230175-2	7181106	55	1.0	07/17/07 09:30	D6 7/18/07	☐
349	J2GM7F	D7G070107-5	7190439	MD	1.0	07/17/07 09:34		☐
350	CCV				1.0	07/17/07 09:37		☐
351	CCB				1.0	07/17/07 09:41		☐
352	RINSE				1.0	07/17/07 09:50		☐
353	RINSE				1.0	07/17/07 09:54		☐
354	RINSE				1.0	07/17/07 09:58		☐
355	RINSE				1.0	07/17/07 10:02		☐
356	RINSE				1.0	07/17/07 10:05		☐
357	RINSE				1.0	07/17/07 10:09	D6 7/17/07	☐
358	CCV				1.0	07/17/07 10:13		☐
359	CCB				1.0	07/17/07 10:17		☐
360	Blank				1.0	07/17/07 10:23		☐
361	Standard 1				1.0	07/17/07 10:27		☐
362	CCV				1.0	07/17/07 10:31		☐
363	CCB				1.0	07/17/07 10:35		☐
364	ICSA				1.0	07/17/07 10:39		☐
365	ICSAB				1.0	07/17/07 10:42		☐
366	RINSE				1.0	07/17/07 10:46		☐
367	CCV				1.0	07/17/07 10:50		☐
368	CCB				1.0	07/17/07 10:54		☐

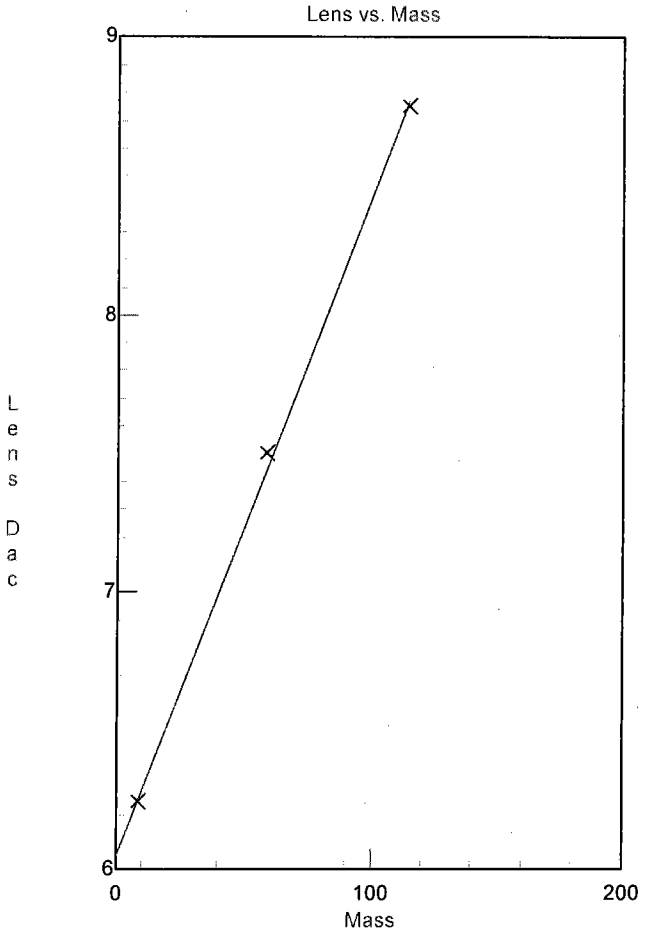

Ce 139.905 - Nebulizer Gas Flow - Formula: CeO 155.9 / Ce 139.905 < 0.03
0.05
0.04
0.03
0.02
0.01
Ratio
0.7
0.8
0.9
Nebulizer Gas Flow

NRB = 0.80


Be 9.013
DAC= 6.25
Pulse Intensity
Dac


Co 58.935
DAC= 7.5
Pulse Intensity
Dac

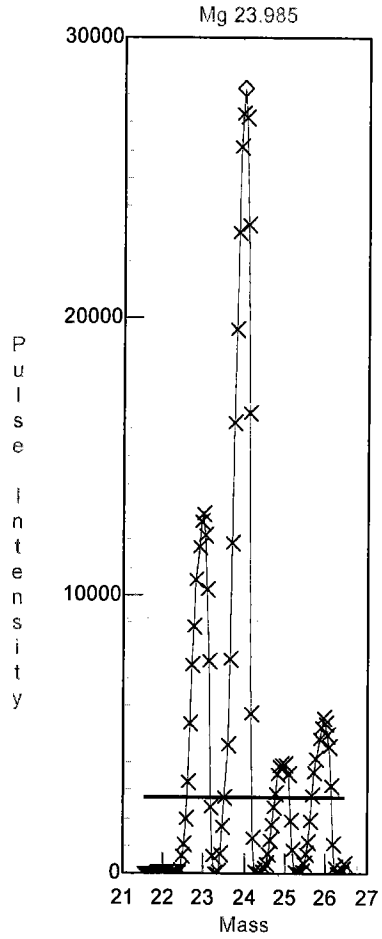

In 114.905
DAC= 8.75
Pulse Intensity
Dac

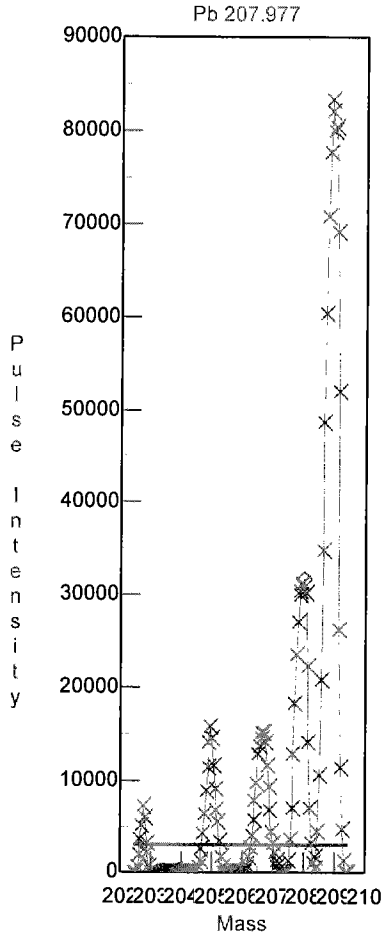

Lens vs. Mass
Lens Dac
Mass

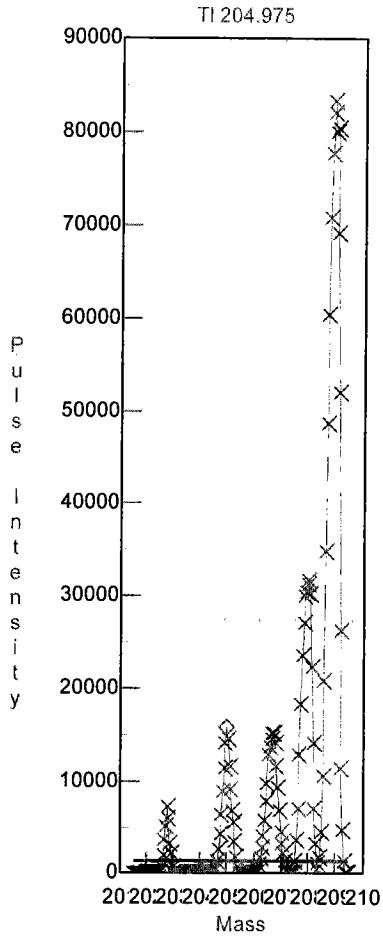
Instrument Tuning Report

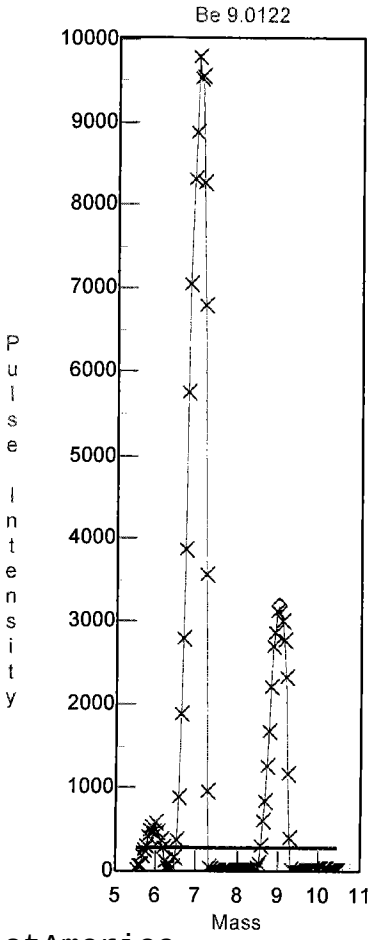
File Name: default.tun
File Path: C:\elandata\Tuning\default.tun

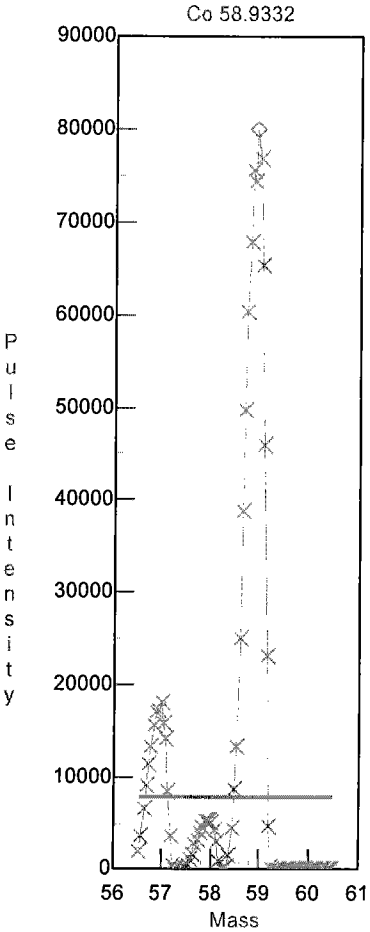
Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Be	9.012	9.029	2019	2147	0.713	
Mg	23.985	23.979	5671	2237	0.682	
Co	58.933	58.929	14188	2445	0.698	
Rh	102.905	102.879	24902	2715	0.710	
In	114.904	114.928	27855	2790	0.703	
Tl	204.975	204.982	49858	3515	0.697	
Pb	207.977	208.028	50221	3363	0.711	
U	238.050	238.075	57822	3652	0.711	
Li	7.016	6.976	1527	2140	0.697	

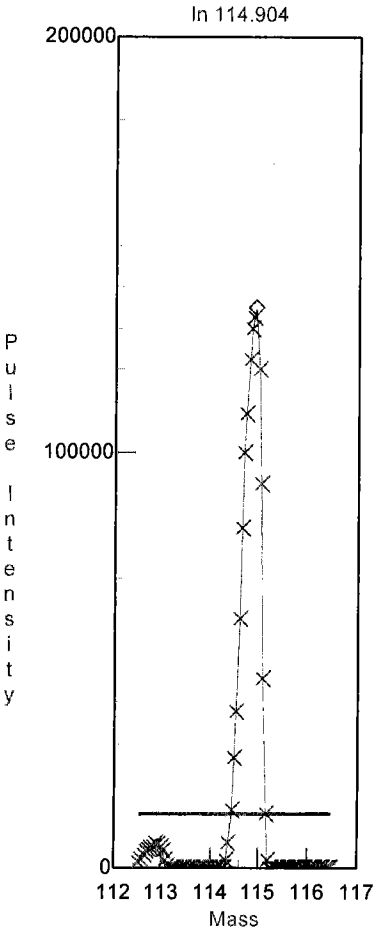

Mg 23.985
Pulse Intensity
Mass

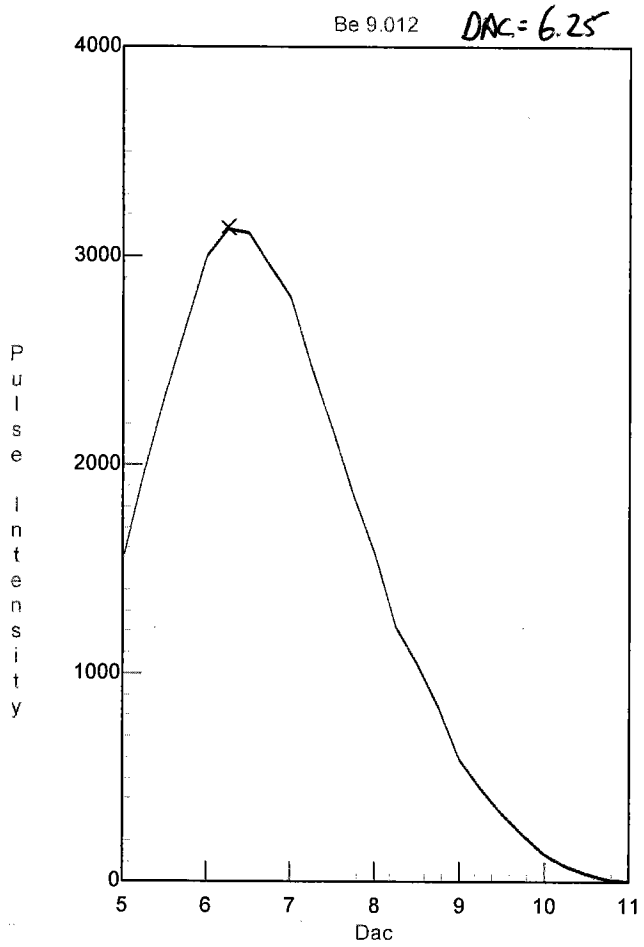

Pb 207.977
Pulse Intensity
Mass

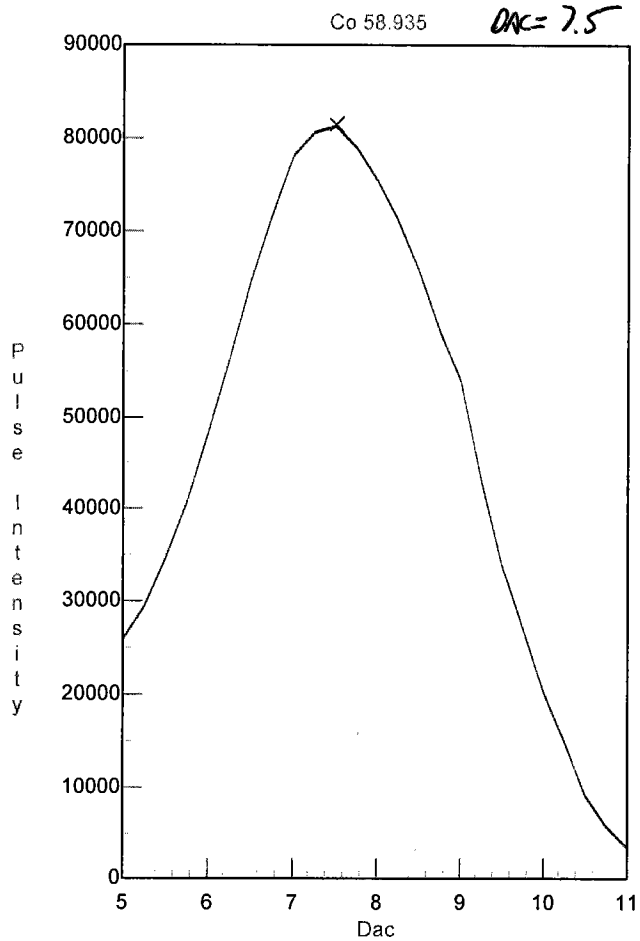

Tl 204.975
Pulse Intensity
Mass

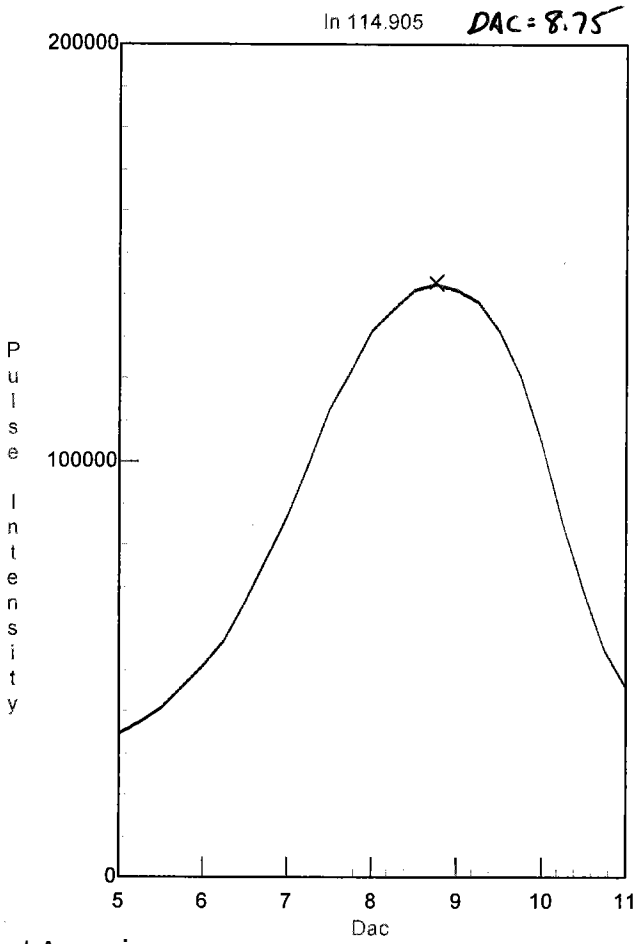

Be 9.0122
Pulse Intensity
Mass

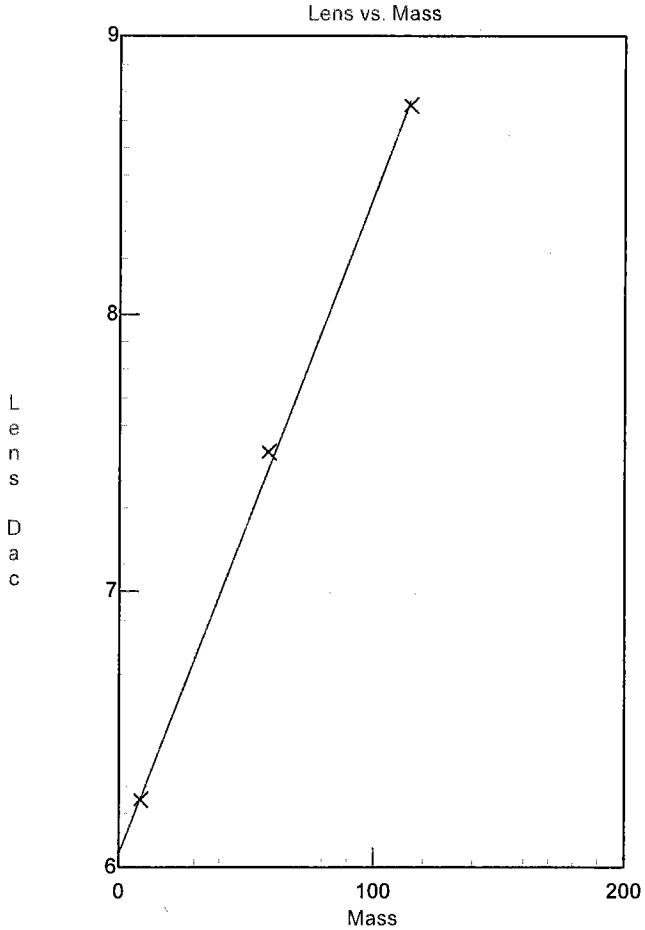

Co 58.9332
Pulse Intensity
Mass


In 114.904
Pulse Intensity
Mass


Be 9.012
DAC = 6.25
Pulse Intensity
4000
3000
2000
1000
0
5
6
7
8
9
10
11
Dac


Co 58.935
DAC = 7.5
Pulse Intensity
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
5
6
7
8
9
10
11
Dac


In 114.905
DAC = 8.75
Pulse Intensity
200000
100000
0
5
6
7
8
9
10
11
Dac


Lens vs. Mass
Lens Dac
9
8
7
6
0
100
200
Mass

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Monday, July 16, 2007 09:45:17
Sample Description:
Method File: C:\elandata\Method\DailyCheck.mth
Dataset File: C:\elandata\Dataset\daily performance\Sample.020
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Be	9.0	3201.6	3201.564	37.142	1.2
	Mg	24.0	29247.6	29247.587	247.678	0.8
	Rh	102.9	132992.8	132992.828	1011.470	0.8
	Pb	208.0	33139.4	33139.412	424.676	1.3
⌈>	Ba	137.9	91106.6	91106.583	412.837	0.5
⌊	Ba++	69.0	2867.3	0.031	0.001	2.5
⌈>	Ce	139.9	112563.5	112563.455	816.252	0.7
⌊	CeO	155.9	3107.7	0.028	0.001	4.0
	Bkgd	220.0	1.5	1.500	1.441	96.1
	Li	7.0	10533.5	10533.489	143.620	1.4
	Co	58.9	82197.2	82197.163	536.689	0.7
	In	114.9	142077.7	142077.689	1053.718	0.7
	Ru	101.9	-63.6	-63.609	2.260	3.6
	Tl	205.0	37388.2	37388.176	373.176	1.0

Current Optimization File Data

Current Value	Description
0.80	Nebulizer Gas Flow
8.50	Lens Voltage
1200.00	ICP RF Power
-2200.00	Analog Stage Voltage
1200.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.50	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	25	6.3	3140.2
Co	59	25	7.5	81565.9
In	115	25	8.8	143244.0

STL - Denver Elan 6000 ICPMS 1

Quantitative Analysis Report

Sample ID: Blank

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 10:50:04
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607\Blank.009
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL): 06/16/07

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9			4.000	ug/L	
|	Al	27			6966.003	ug/L	
L>	Sc	45			2165573.156	ug/L	
⌈	V	51			2410.097	ug/L	
|	Cr	52			8150.319	ug/L	
|	Mn	55			872.042	ug/L	
|	Fe	57			16460.820	ug/L	
|	Co	59			51.333	ug/L	
|	Ni	60			30.445	ug/L	
|	Cu	65			167.725	ug/L	
|>	Ge	72			824857.387	ug/L	
|	Zn	68			314.672	ug/L	
|	As	75			-497.250	ug/L	
L	Se	82			64.232	ug/L	
⌈	Mo	97			48.667	ug/L	
|	Ag	107			92.667	ug/L	
|>	In	115			589275.807	ug/L	
|	Cd	111			1.246	ug/L	
|	Sn	117			41.333	ug/L	
|	Sb	121			32.000	ug/L	
L	Ba	135			15.273	ug/L	
⌈>	Ho	165			359845.311	ug/L	
|	Tl	205			13.333	ug/L	
|	Pb	208			43.333	ug/L	
L	U	238			11.333	ug/L	
⌈>	Sc-1	45			2165573.156	ug/L	
|	Cr	50			-9.093	ug/L	
L	Cr	53			721.362	ug/L	

⌈	Ni	61	10969.954	ug/L
|	Cu	63	364.007	ug/L
⌊>	Ge	74	1161016.854	ug/L
⌈	Ag	109	97.334	ug/L
⌊>	In-1	115	589275.807	ug/L
⌈	Pb	206	2.000	ug/L
|	Pb	207	6.000	ug/L
⌊>	Ho-1	165	359845.311	ug/L
⌈	Se	78	7039.611	ug/L
|>	Ge-1	72	824857.387	ug/L
|	Br	79	432.677	ug/L
|	Kr	83	58.546	ug/L
⌊	Se	76	296366.583	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45				
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72				
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115				
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165				
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Calibration

Analyte	Mass	Curve Type	Slope
Be	9	Linear Thru Zero	
Al	27	Linear Thru Zero	
Sc	45	Linear Thru Zero	
V	51	Linear Thru Zero	
Cr	52	Linear Thru Zero	
Mn	55	Linear Thru Zero	
Fe	57	Linear Thru Zero	
Co	59	Linear Thru Zero	
Ni	60	Linear Thru Zero	
Cu	65	Linear Thru Zero	
Ge	72	Linear Thru Zero	
Zn	68	Linear Thru Zero	
As	75	Linear Thru Zero	
Se	82	Linear Thru Zero	
Mo	97	Linear Thru Zero	
Ag	107	Linear Thru Zero	
In	115	Linear Thru Zero	
Cd	111	Linear Thru Zero	
Sn	117	Linear Thru Zero	
Sb	121	Linear Thru Zero	
Ba	135	Linear Thru Zero	
Ho	165	Linear Thru Zero	
Tl	205	Linear Thru Zero	
Pb	208	Linear Thru Zero	
U	238	Linear Thru Zero	
Sc-1	45	Linear Thru Zero	
Cr	50	Linear Thru Zero	
Cr	53	Linear Thru Zero	
Ni	61	Linear Thru Zero	
Cu	63	Linear Thru Zero	
Ge	74	Linear Thru Zero	
Ag	109	Linear Thru Zero	
In-1	115	Linear Thru Zero	
Pb	206	Linear Thru Zero	
Pb	207	Linear Thru Zero	
Ho-1	165	Linear Thru Zero	
Se	78	Linear Thru Zero	
Ge-1	72	Linear Thru Zero	
Br	79	Linear Thru Zero	
Kr	83	Linear Thru Zero	
Se	76	Linear Thru Zero	

STL - Denver Elan 6000 ICPMS 1

Quantitative Analysis Report

Sample ID: Blank

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 10:54:44
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Blank.001
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9			1.333	ug/L	
|	Al	27			7517.774	ug/L	
|>	Sc	45			2201731.976	ug/L	
⌈	V	51			2202.381	ug/L	
|	Cr	52			8139.643	ug/L	
|	Mn	55			872.042	ug/L	
|	Fe	57			16648.381	ug/L	
|	Co	59			51.333	ug/L	
|	Ni	60			30.398	ug/L	
|	Cu	65			168.361	ug/L	
|>	Ge	72			831072.573	ug/L	
|	Zn	68			288.671	ug/L	
|	As	75			-496.705	ug/L	
⌊	Se	82			81.517	ug/L	
⌈	Mo	97			66.000	ug/L	
|	Ag	107			85.334	ug/L	
|>	In	115			586773.523	ug/L	
|	Cd	111			3.215	ug/L	
|	Sn	117			36.000	ug/L	
|	Sb	121			28.667	ug/L	
⌊	Ba	135			17.958	ug/L	
⌈>	Ho	165			359878.050	ug/L	
|	Tl	205			10.000	ug/L	
|	Pb	208			43.333	ug/L	
⌊	U	238			10.667	ug/L	
⌈>	Sc-1	45			2201731.976	ug/L	
|	Cr	50			-72.319	ug/L	
⌊	Cr	53			711.361	ug/L	

⌈	Ni	61	10777.720	ug/L
|	Cu	63	361.341	ug/L
⌊>	Ge	74	1165756.520	ug/L
⌈	Ag	109	86.667	ug/L
⌊>	In-1	115	586773.523	ug/L
⌈	Pb	206	2.000	ug/L
|	Pb	207	8.000	ug/L
⌊>	Ho-1	165	359878.050	ug/L
⌈	Se	78	7059.664	ug/L
|>	Ge-1	72	831072.573	ug/L
|	Br	79	451.345	ug/L
|	Kr	83	53.009	ug/L
⌊	Se	76	296375.317	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45				
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72				
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115				
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165				
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Calibration

Analyte	Mass	Curve Type	Slope
Be	9	Linear Thru Zero	
Al	27	Linear Thru Zero	
Sc	45	Linear Thru Zero	
V	51	Linear Thru Zero	
Cr	52	Linear Thru Zero	
Mn	55	Linear Thru Zero	
Fe	57	Linear Thru Zero	
Co	59	Linear Thru Zero	
Ni	60	Linear Thru Zero	
Cu	65	Linear Thru Zero	
Ge	72	Linear Thru Zero	
Zn	68	Linear Thru Zero	
As	75	Linear Thru Zero	
Se	82	Linear Thru Zero	
Mo	97	Linear Thru Zero	
Ag	107	Linear Thru Zero	
In	115	Linear Thru Zero	
Cd	111	Linear Thru Zero	
Sn	117	Linear Thru Zero	
Sb	121	Linear Thru Zero	
Ba	135	Linear Thru Zero	
Ho	165	Linear Thru Zero	
Tl	205	Linear Thru Zero	
Pb	208	Linear Thru Zero	
U	238	Linear Thru Zero	
Sc-1	45	Linear Thru Zero	
Cr	50	Linear Thru Zero	
Cr	53	Linear Thru Zero	
Ni	61	Linear Thru Zero	
Cu	63	Linear Thru Zero	
Ge	74	Linear Thru Zero	
Ag	109	Linear Thru Zero	
In-1	115	Linear Thru Zero	
Pb	206	Linear Thru Zero	
Pb	207	Linear Thru Zero	
Ho-1	165	Linear Thru Zero	
Se	78	Linear Thru Zero	
Ge-1	72	Linear Thru Zero	
Br	79	Linear Thru Zero	
Kr	83	Linear Thru Zero	
Se	76	Linear Thru Zero	

STL - Denver Elan 6000 ICPMS 1

Quantitative Analysis Report

Sample ID: Standard 1

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 10:58:24
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Standard 1.002
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 2
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	100.0000	5.71	26756.651	ug/L	1.333
|	Al	27	100.0000	6.83	438587.305	ug/L	7517.774
⌊>	Sc	45			2241524.997	ug/L	2201731.976
⌈	V	51	100.0000	5.91	655792.940	ug/L	2202.381
|	Cr	52	100.0000	5.90	577138.472	ug/L	8139.643
|	Mn	55	100.0000	4.87	787750.886	ug/L	872.042
|	Fe	57	5000.0000	5.23	858845.190	ug/L	16648.381
|	Co	59	100.0000	4.89	762582.570	ug/L	51.333
|	Ni	60	100.0000	5.23	168956.484	ug/L	30.398
|	Cu	65	100.0000	4.47	195822.016	ug/L	168.361
|>	Ge	72			859949.666	ug/L	831072.573
|	Zn	68	100.0000	4.34	67388.866	ug/L	288.671
|	As	75	100.0000	2.42	122301.552	ug/L	-496.705
⌊	Se	82	100.0000	0.64	10338.721	ug/L	81.517
⌈	Mo	97	100.0000	6.84	124179.597	ug/L	66.000
|	Ag	107	100.0000	3.43	529647.305	ug/L	85.334
|>	In	115			592164.298	ug/L	586773.523
|	Cd	111	100.0000	3.75	105988.243	ug/L	3.215
|	Sn	117	100.0000	4.00	88188.449	ug/L	36.000
|	Sb	121	100.0000	3.14	327426.862	ug/L	28.667
⌊	Ba	135	100.0000	3.22	81330.018	ug/L	17.958
⌈>	Ho	165			355156.054	ug/L	359878.050
|	Tl	205	100.0000	3.57	343269.586	ug/L	10.000
|	Pb	208	100.0000	5.20	311294.906	ug/L	43.333
⌊	U	238	100.0000	6.32	1345532.630	ug/L	10.667
⌈>	Sc-1	45			2241524.997	ug/L	2201731.976
|	Cr	50	100.0000	5.90	27792.491	ug/L	-72.319
⌊	Cr	53	100.0000	6.49	68204.934	ug/L	711.361

⌈	Ni	61	100.0000	5.19	19639.861	ug/L	10777.720
|	Cu	63	100.0000	4.38	392437.668	ug/L	361.341
⌊>	Ge	74			1205796.236	ug/L	1165756.520
⌈	Ag	109	100.0000	2.03	495250.348	ug/L	86.667
⌊>	In-1	115			592164.298	ug/L	586773.523
⌈	Pb	206	100.0000	3.81	563.351	ug/L	2.000
|	Pb	207	100.0000	5.60	90116.564	ug/L	8.000
⌊>	Ho-1	165			355156.054	ug/L	359878.050
⌈	Se	78	100.0000	3.38	33007.492	ug/L	7059.664
|>	Ge-1	72			859949.666	ug/L	831072.573
|	Br	79			455.345	ug/L	451.345
|	Kr	83			73.014	ug/L	53.009
⌊	Se	76	100.0000	12.09	314635.964	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45				
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72				
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115				
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165				
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Calibration

Analyte	Mass	Curve Type	Slope
Be	9	Linear Thru Zero	0.000
Al	27	Linear Thru Zero	0.002
Sc	45	Linear Thru Zero	
V	51	Linear Thru Zero	0.008
Cr	52	Linear Thru Zero	0.007
Mn	55	Linear Thru Zero	0.009
Fe	57	Linear Thru Zero	0.000
Co	59	Linear Thru Zero	0.009
Ni	60	Linear Thru Zero	0.002
Cu	65	Linear Thru Zero	0.002
Ge	72	Linear Thru Zero	
Zn	68	Linear Thru Zero	0.001
As	75	Linear Thru Zero	0.001
Se	82	Linear Thru Zero	0.000
Mo	97	Linear Thru Zero	0.002
Ag	107	Linear Thru Zero	0.009
In	115	Linear Thru Zero	
Cd	111	Linear Thru Zero	0.002
Sn	117	Linear Thru Zero	0.001
Sb	121	Linear Thru Zero	0.006
Ba	135	Linear Thru Zero	0.001
Ho	165	Linear Thru Zero	
Tl	205	Linear Thru Zero	0.010
Pb	208	Linear Thru Zero	0.009
U	238	Linear Thru Zero	0.038
Sc-1	45	Linear Thru Zero	
Cr	50	Linear Thru Zero	0.000
Cr	53	Linear Thru Zero	0.000
Ni	61	Linear Thru Zero	0.000
Cu	63	Linear Thru Zero	0.003
Ge	74	Linear Thru Zero	
Ag	109	Linear Thru Zero	0.008
In-1	115	Linear Thru Zero	
Pb	206	Linear Thru Zero	0.000
Pb	207	Linear Thru Zero	0.003
Ho-1	165	Linear Thru Zero	
Se	78	Linear Thru Zero	0.000
Ge-1	72	Linear Thru Zero	
Br	79	Linear Thru Zero	
Kr	83	Linear Thru Zero	
Se	76	Linear Thru Zero	0.000

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 1

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:02:03
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 1.003
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 9
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	41.3859	7.70	11064.067	ug/L	1.333
	Al	27	42.0881	7.32	188915.867	ug/L	7517.774
>	Sc	45			2240490.190	ug/L	2201731.976
	V	51	42.2331	3.42	274081.564	ug/L	2202.381
	Cr	52	41.7317	4.79	241972.324	ug/L	8139.643
	Mn	55	41.8132	5.20	324695.580	ug/L	872.042
	Fe	57	1041.5939	5.82	189506.503	ug/L	16648.381
	Co	59	41.3962	4.62	310781.179	ug/L	51.333
	Ni	60	42.3195	5.79	70387.683	ug/L	30.398
	Cu	65	41.5457	4.34	80176.991	ug/L	168.361
>	Ge	72			846528.079	ug/L	831072.573
	Zn	68	41.3985	4.01	27635.275	ug/L	288.671
	As	75	41.4334	4.85	49553.719	ug/L	-496.705
	Se	82	41.0536	5.99	4221.816	ug/L	81.517
	Mo	97	40.3580	4.04	49885.847	ug/L	66.000
	Ag	107	38.3855	4.56	202163.476	ug/L	85.334
>	In	115			589212.074	ug/L	586773.523
	Cd	111	41.8464	5.89	44059.822	ug/L	3.215
	Sn	117	45.2756	5.13	39699.831	ug/L	36.000
	Sb	121	39.4066	9.71	128023.893	ug/L	28.667
	Ba	135	41.3757	7.92	33411.872	ug/L	17.958
>	Ho	165			362175.469	ug/L	359878.050
	Tl	205	39.8460	3.85	139494.958	ug/L	10.000
	Pb	208	39.3274	4.06	124923.460	ug/L	43.333
	U	238	40.7952	5.95	559814.118	ug/L	10.667
>	Sc-1	45			2240490.190	ug/L	2201731.976
	Cr	50	40.7897	7.52	11281.249	ug/L	-72.319

L	Cr	53	41.3634	6.19	28627.004	ug/L	711.361
⌈	Ni	61	45.4904	17.29	14813.416	ug/L	10777.720
|	Cu	63	41.7734	4.79	161950.880	ug/L	361.341
L>	Ge	74			1189492.636	ug/L	1165756.520
⌈	Ag	109	38.1124	6.47	187500.308	ug/L	86.667
L>	In-1	115			589212.074	ug/L	586773.523
⌈	Pb	206	48.6829	5.93	280.671	ug/L	2.000
|	Pb	207	42.1384	2.07	38763.146	ug/L	8.000
L>	Ho-1	165			362175.469	ug/L	359878.050
⌈	Se	78	42.1744	4.73	17858.478	ug/L	7059.664
|>	Ge-1	72			846528.079	ug/L	831072.573
|	Br	79			457.345	ug/L	451.345
|	Kr	83			59.425	ug/L	53.009
L	Se	76	11.9351	742.37	302668.927	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9	103.465			
	Al	27	105.220			
>	Sc	45		101.760		
	V	51	105.583			
	Cr	52	104.329			
	Mn	55	104.533			
	Fe	57	104.159			
	Co	59	103.490			
	Ni	60	105.799			
	Cu	65	103.864			
>	Ge	72		101.860		
	Zn	68	103.496			
	As	75	103.583			
	Se	82	102.634			
	Mo	97	100.895			
	Ag	107	95.964			
>	In	115		100.416		
	Cd	111	104.616			
	Sn	117	113.189			
	Sb	121	98.517			
	Ba	135	103.439			
>	Ho	165		100.638		
	Tl	205	99.615			
	Pb	208	98.318			
	U	238	101.988			
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 1	Sn	117	ICV outside of control limits (90-110%)

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 2

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:05:42
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 2.004
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	-0.0051	0.00	0.000	ug/L	1.333
|	Al	27	-0.0410	198.19	7555.142	ug/L	7517.774
|>	Sc	45			2265523.600	ug/L	2201731.976
⌈	V	51	-0.0287	198.66	2039.068	ug/L	2202.381
|	Cr	52	-0.0385	93.72	8013.531	ug/L	8139.643
|	Mn	55	0.0045	17.62	916.713	ug/L	872.042
|	Fe	57	-2.2367	63.30	16463.031	ug/L	16648.381
|	Co	59	-0.0003	447.35	49.333	ug/L	51.333
|	Ni	60	0.0100	28.72	47.164	ug/L	30.398
|	Cu	65	0.0105	46.61	190.362	ug/L	168.361
|>	Ge	72			840307.100	ug/L	831072.573
|	Zn	68	0.0947	63.02	354.007	ug/L	288.671
|	As	75	-0.0264	209.80	-534.573	ug/L	-496.705
⌊	Se	82	-0.1935	47.08	62.936	ug/L	81.517
⌈	Mo	97	0.0174	50.83	86.667	ug/L	66.000
|	Ag	107	0.0036	198.66	103.334	ug/L	85.334
|>	In	115			581944.555	ug/L	586773.523
|	Cd	111	0.0006	9.27	3.844	ug/L	3.215
|	Sn	117	0.1242	1.48	143.334	ug/L	36.000
|	Sb	121	0.0881	6.80	312.005	ug/L	28.667
⌊	Ba	135	0.0085	40.48	24.601	ug/L	17.958
⌈>	Ho	165			360433.770	ug/L	359878.050
|	Tl	205	0.0164	5.30	67.334	ug/L	10.000
|	Pb	208	-0.0030	94.77	34.000	ug/L	43.333
⌊	U	238	0.0049	5.02	77.334	ug/L	10.667
⌈>	Sc-1	45			2265523.600	ug/L	2201731.976
|	Cr	50	0.2418	26.43	-6.152	ug/L	-72.319

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L	Cr	53	-0.0217	401.94	717.362	ug/L	711.361
⌈	Ni	61	10.0438	38.40	11762.948	ug/L	10777.720
|	Cu	63	0.0056	92.23	388.008	ug/L	361.341
L>	Ge	74			1181472.994	ug/L	1165756.520
⌈	Ag	109	0.0009	695.13	90.000	ug/L	86.667
L>	In-1	115			581944.555	ug/L	586773.523
⌈	Pb	206	-0.1166	348.60	1.333	ug/L	2.000
|	Pb	207	0.0080	54.29	15.333	ug/L	8.000
L>	Ho-1	165			360433.770	ug/L	359878.050
⌈	Se	78	-0.1017	794.50	7110.414	ug/L	7059.664
|>	Ge-1	72			840307.100	ug/L	831072.573
|	Br	79			418.010	ug/L	451.345
|	Kr	83			46.941	ug/L	53.009
L	Se	76	14.3382	465.18	300743.330	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		102.897		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		101.111		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		99.177		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		100.154		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 2	Fe	57	ICB outside of control limits

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RLSTD

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:09:27
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RLSTD.005
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 10
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	1.0153	9.79	266.004	ug/L	1.333
	Al	27	2.5391	3.77	18066.603	ug/L	7517.774
>	Sc	45			2175490.466	ug/L	2201731.976
	V	51	1.0599	3.44	8901.144	ug/L	2202.381
	Cr	52	1.0297	3.70	13799.132	ug/L	8139.643
	Mn	55	1.0639	3.26	8965.085	ug/L	872.042
	Fe	57	51.7825	8.10	25064.956	ug/L	16648.381
	Co	59	1.0372	3.31	7697.925	ug/L	51.333
	Ni	60	1.0946	3.11	1818.256	ug/L	30.398
	Cu	65	1.0426	1.85	2141.214	ug/L	168.361
>	Ge	72			830754.308	ug/L	831072.573
	Zn	68	10.4361	2.05	7058.073	ug/L	288.671
	As	75	0.9035	8.60	575.542	ug/L	-496.705
	Se	82	0.9853	13.34	179.034	ug/L	81.517
	Mo	97	1.0306	1.73	1290.092	ug/L	66.000
	Ag	107	1.0327	1.42	5320.890	ug/L	85.334
>	In	115			567038.799	ug/L	586773.523
	Cd	111	1.0854	4.21	1105.746	ug/L	3.215
	Sn	117	11.4021	2.57	9663.803	ug/L	36.000
	Sb	121	1.0706	2.47	3384.630	ug/L	28.667
	Ba	135	1.0220	8.11	812.629	ug/L	17.958
>	Ho	165			356156.122	ug/L	359878.050
	Tl	205	1.0267	1.98	3547.359	ug/L	10.000
	Pb	208	1.0375	7.18	3283.928	ug/L	43.333
	U	238	0.9813	1.99	13270.346	ug/L	10.667
>	Sc-1	45			2175490.466	ug/L	2201731.976
	Cr	50	0.8622	25.91	163.370	ug/L	-72.319

L	Cr	53	1.0973	10.20	1422.111	ug/L	711.361
Γ	Ni	61	1.2990	394.07	10808.430	ug/L	10777.720
|	Cu	63	1.0325	2.13	4247.659	ug/L	361.341
L>	Ge	74			1157474.799	ug/L	1165756.520
Γ	Ag	109	1.0540	4.70	5080.087	ug/L	86.667
L>	In-1	115			567038.799	ug/L	586773.523
Γ	Pb	206	0.5944	33.61	5.333	ug/L	2.000
|	Pb	207	1.0450	3.88	953.383	ug/L	8.000
L>	Ho-1	165			356156.122	ug/L	359878.050
Γ	Se	78	1.2143	83.82	7356.485	ug/L	7059.664
|>	Ge-1	72			830754.308	ug/L	831072.573
|	Br	79			380.008	ug/L	451.345
|	Kr	83			65.009	ug/L	53.009
L	Se	76	-3.8129	839.18	295947.004	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		98.808		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		99.962		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		96.637		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		98.966		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: AFCEE RL

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:13:12
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\AFCEE RL.006
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 11
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.1599	6.93	44.000	ug/L	1.333
|	Al	27	2.1255	8.11	16756.100	ug/L	7517.774
⌊>	Sc	45			2232424.640	ug/L	2201731.976
⌈	V	51	0.1824	9.91	3369.442	ug/L	2202.381
|	Cr	52	0.1345	7.76	8914.369	ug/L	8139.643
|	Mn	55	0.1886	3.85	2316.295	ug/L	872.042
|	Fe	57	7.9248	39.53	18008.832	ug/L	16648.381
|	Co	59	0.1686	4.52	1300.093	ug/L	51.333
|	Ni	60	0.2043	4.47	365.730	ug/L	30.398
|	Cu	65	0.1911	17.74	531.706	ug/L	168.361
|>	Ge	72			834305.210	ug/L	831072.573
|	Zn	68	1.8060	3.46	1466.785	ug/L	288.671
|	As	75	0.0769	104.68	-406.408	ug/L	-496.705
⌊	Se	82	-0.0218	428.49	79.606	ug/L	81.517
⌈	Mo	97	0.1260	14.74	220.669	ug/L	66.000
|	Ag	107	0.1609	5.52	928.714	ug/L	85.334
|>	In	115			585922.498	ug/L	586773.523
|	Cd	111	0.1860	12.36	198.272	ug/L	3.215
|	Sn	117	1.9451	2.20	1733.499	ug/L	36.000
|	Sb	121	0.1873	8.93	635.356	ug/L	28.667
⌊	Ba	135	0.1583	3.75	145.268	ug/L	17.958
⌈>	Ho	165			363301.712	ug/L	359878.050
|	Tl	205	0.1676	11.21	598.687	ug/L	10.000
|	Pb	208	0.1603	5.00	554.684	ug/L	43.333
⌊	U	238	0.1713	2.09	2372.310	ug/L	10.667
⌈>	Sc-1	45			2232424.640	ug/L	2201731.976
|	Cr	50	0.5143	56.26	70.784	ug/L	-72.319

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L	Cr	53	0.0486	126.18	753.365	ug/L	711.361
Γ	Ni	61	3.3708	91.75	11166.189	ug/L	10777.720
I	Cu	63	0.1669	3.44	1004.722	ug/L	361.341
L>	Ge	74			1177539.252	ug/L	1165756.520
Γ	Ag	109	0.1574	8.53	857.374	ug/L	86.667
L>	In-1	115			585922.498	ug/L	586773.523
Γ	Pb	206	0.2251	232.88	3.333	ug/L	2.000
I	Pb	207	0.1755	3.17	170.002	ug/L	8.000
L>	Ho-1	165			363301.712	ug/L	359878.050
Γ	Se	78	0.5888	158.74	7232.488	ug/L	7059.664
I>	Ge-1	72			834305.210	ug/L	831072.573
I	Br	79			416.676	ug/L	451.345
I	Kr	83			50.795	ug/L	53.009
L	Se	76	23.7548	125.86	299375.676	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		101.394		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		100.389		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		99.855		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		100.951		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSA

Sample Description: ICSA
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:16:58
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.007
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	-0.0021	234.95	0.667	ug/L	1.333
	Al	27	107773.9624	5.42	418290618.244	ug/L	7517.774
>	Sc	45			2022359.430	ug/L	2201731.976
	V	51	0.5509	25.98	5580.083	ug/L	2202.381
	Cr	52	3.4150	2.93	26548.789	ug/L	8139.643
	Mn	55	1.3834	2.77	11250.318	ug/L	872.042
	Fe	57	101604.7319	3.98	16367427.131	ug/L	16648.381
	Co	59	0.3291	1.95	2443.662	ug/L	51.333
	Ni	60	6.5206	14.68	10469.480	ug/L	30.398
	Cu	65	1.6802	20.02	3272.431	ug/L	168.361
>	Ge	72			819910.901	ug/L	831072.573
	Zn	68	15.8874	4.35	10479.424	ug/L	288.671
	As	75	0.2944	53.33	-136.308	ug/L	-496.705
	Se	82	1.8857	14.32	265.405	ug/L	81.517
	Mo	97	2322.1081	4.22	2495572.218	ug/L	66.000
	Ag	107	0.1055	15.59	559.351	ug/L	85.334
>	In	115			511746.345	ug/L	586773.523
	Cd	111	4.1377	22.28	3765.056	ug/L	3.215
	Sn	117	0.1712	22.86	162.668	ug/L	36.000
	Sb	121	0.2169	5.15	638.689	ug/L	28.667
	Ba	135	0.0647	2.42	61.175	ug/L	17.958
>	Ho	165			291477.770	ug/L	359878.050
	Tl	205	0.0090	48.39	33.333	ug/L	10.000
	Pb	208	0.1264	3.81	358.674	ug/L	43.333
	U	238	0.0083	21.03	100.667	ug/L	10.667
>	Sc-1	45			2022359.430	ug/L	2201731.976
	Cr	50	-377.9084	28.49	-94687.918	ug/L	-72.319

L	Cr	53	28.0612	16.41	17498.162	ug/L	711.361
⌈	Ni	61	35.3416	26.91	12540.650	ug/L	10777.720
|	Cu	63	3.2318	2.30	11598.757	ug/L	361.341
L>	Ge	74			1070343.060	ug/L	1165756.520
⌈	Ag	109	0.1164	18.09	574.685	ug/L	86.667
L>	In-1	115			511746.345	ug/L	586773.523
⌈	Pb	206	-0.0587	863.92	1.333	ug/L	2.000
|	Pb	207	0.1324	15.36	104.667	ug/L	8.000
L>	Ho-1	165			291477.770	ug/L	359878.050
⌈	Se	78	-1.8498	111.15	6491.831	ug/L	7059.664
|>	Ge-1	72			819910.901	ug/L	831072.573
|	Br	79			3114.535	ug/L	451.345
|	Kr	83			722.546	ug/L	53.009
L	Se	76	-313.8009	27.01	268195.052	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		91.853		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		98.657		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		87.214		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		80.993		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSAB

Sample Description: ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:20:48
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.008
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 7
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	100.0573	1.34	32637.864	ug/L	1.333
	Al	27	99253.6319	1.60	521731387.095	ug/L	7517.774
>	Sc	45			2726715.657	ug/L	2201731.976
	V	51	100.7598	2.70	756329.452	ug/L	2202.381
	Cr	52	100.6798	4.08	665128.627	ug/L	8139.643
	Mn	55	99.7243	1.42	898921.935	ug/L	872.042
	Fe	57	105293.1822	4.16	20306318.646	ug/L	16648.381
	Co	59	95.4582	2.41	833096.023	ug/L	51.333
	Ni	60	96.7222	1.81	187029.279	ug/L	30.398
	Cu	65	88.3103	1.84	197887.804	ug/L	168.361
>	Ge	72			982843.657	ug/L	831072.573
	Zn	68	107.5466	2.19	82902.557	ug/L	288.671
	As	75	96.3317	0.62	134709.433	ug/L	-496.705
	Se	82	98.1492	1.02	11601.181	ug/L	81.517
	Mo	97	2423.2219	6.14	2883032.231	ug/L	66.000
	Ag	107	93.0394	3.04	472237.260	ug/L	85.334
>	In	115			567336.749	ug/L	586773.523
	Cd	111	102.2357	1.45	103846.549	ug/L	3.215
	Sn	117	100.4826	3.63	84925.004	ug/L	36.000
	Sb	121	106.3862	2.41	333808.704	ug/L	28.667
	Ba	135	102.0554	1.36	79544.886	ug/L	17.958
>	Ho	165			322632.771	ug/L	359878.050
	Tl	205	102.3023	3.23	319189.197	ug/L	10.000
	Pb	208	102.0670	2.75	288900.509	ug/L	43.333
	U	238	106.1153	2.84	1298711.185	ug/L	10.667
>	Sc-1	45			2726715.657	ug/L	2201731.976
	Cr	50	-316.4748	6.59	-107722.718	ug/L	-72.319

L	Cr	53	113.1023	3.23	93990.449	ug/L	711.361
⌈	Ni	61	114.6762	7.26	22406.256	ug/L	10777.720
|	Cu	63	97.0630	2.06	408903.179	ug/L	361.341
L>	Ge	74			1293298.544	ug/L	1165756.520
⌈	Ag	109	92.5887	2.73	439352.789	ug/L	86.667
L>	In-1	115			567336.749	ug/L	586773.523
⌈	Pb	206	97.0724	6.14	497.347	ug/L	2.000
|	Pb	207	100.5830	2.07	82438.104	ug/L	8.000
L>	Ho-1	165			322632.771	ug/L	359878.050
⌈	Se	78	97.1159	1.93	36899.700	ug/L	7059.664
|>	Ge-1	72			982843.657	ug/L	831072.573
|	Br	79			3492.672	ug/L	451.345
|	Kr	83			707.151	ug/L	53.009
L	Se	76	-171.1108	27.07	334853.126	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		123.844		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		118.262		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		96.688		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		89.651		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Sc 45 Int Std for samp	Sc	45	Sc 45 out of limits (30-120%) Rerun for Be later 06/29/07
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RINSE

Sample Description: Rinse Blank following ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:24:35
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RINSE.009
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0065	153.79	4.000	ug/L	1.333
|	Al	27	1.2191	79.02	16848.421	ug/L	7517.774
⌊>	Sc	45			2948401.949	ug/L	2201731.976
⌈	V	51	0.0330	147.02	2879.602	ug/L	2202.381
|	Cr	52	0.0285	218.62	9869.355	ug/L	8139.643
|	Mn	55	0.0100	107.85	1127.403	ug/L	872.042
|	Fe	57	-11.2227	58.79	17616.464	ug/L	16648.381
|	Co	59	-0.0003	894.47	58.667	ug/L	51.333
|	Ni	60	0.0033	238.12	42.592	ug/L	30.398
|	Cu	65	0.0451	34.97	301.892	ug/L	168.361
|>	Ge	72			989562.361	ug/L	831072.573
|	Zn	68	0.0827	37.41	407.342	ug/L	288.671
|	As	75	0.0607	52.74	-504.643	ug/L	-496.705
⌊	Se	82	-0.1386	27.19	80.698	ug/L	81.517
⌈	Mo	97	0.4335	12.85	660.024	ug/L	66.000
|	Ag	107	0.4037	17.47	2420.994	ug/L	85.334
|>	In	115			646072.824	ug/L	586773.523
|	Cd	111	0.0046	43.39	8.812	ug/L	3.215
|	Sn	117	0.0569	35.10	94.000	ug/L	36.000
|	Sb	121	0.0218	13.57	109.334	ug/L	28.667
⌊	Ba	135	-0.0006	788.15	19.288	ug/L	17.958
⌈>	Ho	165			397304.306	ug/L	359878.050
|	Tl	205	0.0017	160.90	17.333	ug/L	10.000
|	Pb	208	-0.0009	338.15	44.667	ug/L	43.333
⌊	U	238	0.0077	14.23	128.001	ug/L	10.667
⌈>	Sc-1	45			2948401.949	ug/L	2201731.976
|	Cr	50	0.2446	23.32	-7.564	ug/L	-72.319

L	Cr	53	0.7561	9.44	1624.145	ug/L	711.361
Γ	Ni	61	1.4352	190.21	12869.785	ug/L	10777.720
I	Cu	63	0.0442	10.07	624.688	ug/L	361.341
L>	Ge	74			1376442.858	ug/L	1165756.520
Γ	Ag	109	0.4143	18.18	2328.970	ug/L	86.667
L>	In-1	115			646072.824	ug/L	586773.523
Γ	Pb	206	-0.1355	275.85	1.333	ug/L	2.000
I	Pb	207	0.0124	24.75	21.333	ug/L	8.000
L>	Ho-1	165			397304.306	ug/L	359878.050
Γ	Se	78	-1.2535	88.80	8027.024	ug/L	7059.664
I>	Ge-1	72			989562.361	ug/L	831072.573
I	Br	79			511.348	ug/L	451.345
I	Kr	83			69.188	ug/L	53.009
L	Se	76	-93.8129	43.38	344190.897	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		133.913		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		119.071		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		110.106		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		110.400		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Sc 45 Int Std for samp	Sc	45	Sc 45 out of limits (30-120%)
Fe 57 Lower	Fe	57	Fe below RL

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: HIGH CHECK

Sample Description: True Value 1000 ug/L
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:30:58
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\HIGH CHECK.010
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 12
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	962.9868	1.50	312743.266	ug/L	1.333
|	Al	27	981.6323	1.83	5146332.399	ug/L	7517.774
⌊>	Sc	45			2715233.758	ug/L	2201731.976
⌈	V	51	1109.6457	4.55	7860500.101	ug/L	2202.381
|	Cr	52	1076.5804	4.12	6644152.534	ug/L	8139.643
|	Mn	55	1067.0906	4.35	9097225.149	ug/L	872.042
|	Fe	57	26820.2204	4.19	4910110.068	ug/L	16648.381
|	Co	59	1052.9643	4.94	8698303.680	ug/L	51.333
|	Ni	60	1032.2349	2.61	1889652.759	ug/L	30.398
|	Cu	65	1008.5189	4.45	2137471.729	ug/L	168.361
|>	Ge	72			930992.879	ug/L	831072.573
|	Zn	68	1024.8202	3.52	745168.361	ug/L	288.671
|	As	75	994.0708	4.06	1321380.476	ug/L	-496.705
⌊	Se	82	996.6798	3.02	110719.278	ug/L	81.517
⌈	Mo	97	993.9061	3.16	1243150.235	ug/L	66.000
|	Ag	107	965.3778	5.39	5146825.052	ug/L	85.334
|>	In	115			596420.087	ug/L	586773.523
|	Cd	111	1041.0125	3.41	1111100.141	ug/L	3.215
|	Sn	117	1120.8186	1.94	995393.552	ug/L	36.000
|	Sb	121	1034.0984	6.18	3408088.637	ug/L	28.667
⌊	Ba	135	989.1916	3.82	809949.085	ug/L	17.958
⌈>	Ho	165			356233.069	ug/L	359878.050
|	Tl	205	994.0883	4.57	3424247.953	ug/L	10.000
|	Pb	208	978.3911	1.68	3057738.923	ug/L	43.333
⌊	U	238	992.7088	2.97	13413946.126	ug/L	10.667
⌈>	Sc-1	45			2715233.758	ug/L	2201731.976
|	Cr	50	934.2815	2.77	315826.526	ug/L	-72.319

L	Cr	53	925.8202	1.49	759280.516	ug/L	711.361
⌈	Ni	61	963.3826	2.06	98831.691	ug/L	10777.720
|	Cu	63	1066.7994	3.96	4446347.696	ug/L	361.341
L>	Ge	74			1280729.329	ug/L	1165756.520
⌈	Ag	109	945.0375	5.10	4710332.448	ug/L	86.667
L>	In-1	115			596420.087	ug/L	586773.523
⌈	Pb	206	959.2203	3.64	5406.274	ug/L	2.000
|	Pb	207	1014.4783	3.79	917891.028	ug/L	8.000
L>	Ho-1	165			356233.069	ug/L	359878.050
⌈	Se	78	1011.1276	2.62	289411.493	ug/L	7059.664
|>	Ge-1	72			930992.879	ug/L	831072.573
|	Br	79			654.024	ug/L	451.345
|	Kr	83			131.246	ug/L	53.009
L	Se	76	1100.7854	4.51	427103.494	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		123.323		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		112.023		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		101.644		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		98.987		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Sc 45 Int Std for samp	Sc	45	Sc 45 out of limits (30-120%)

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RINSE

Sample Description: Rinse Blank following High Check
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:34:43
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RINSE.011
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0222	115.32	8.667	ug/L	1.333
|	Al	27	0.4339	68.22	11329.802	ug/L	7517.774
L>	Sc	45			2666276.013	ug/L	2201731.976
⌈	V	51	0.0400	72.49	2721.695	ug/L	2202.381
|	Cr	52	0.0364	57.39	9242.697	ug/L	8139.643
|	Mn	55	0.0233	49.95	1162.741	ug/L	872.042
|	Fe	57	-3.5346	59.88	17811.129	ug/L	16648.381
|	Co	59	0.0222	71.66	238.004	ug/L	51.333
|	Ni	60	0.0266	73.00	81.993	ug/L	30.398
|	Cu	65	0.0552	36.63	302.289	ug/L	168.361
|>	Ge	72			921035.385	ug/L	831072.573
|	Zn	68	0.0966	70.57	389.342	ug/L	288.671
|	As	75	-0.0064	741.81	-558.593	ug/L	-496.705
L	Se	82	-0.0572	245.40	84.123	ug/L	81.517
⌈	Mo	97	0.3006	9.10	451.345	ug/L	66.000
|	Ag	107	0.1150	26.19	713.362	ug/L	85.334
|>	In	115			607059.294	ug/L	586773.523
|	Cd	111	0.0312	39.56	37.188	ug/L	3.215
|	Sn	117	0.7099	1.96	679.359	ug/L	36.000
|	Sb	121	0.7783	6.74	2642.385	ug/L	28.667
L	Ba	135	0.0249	89.59	39.288	ug/L	17.958
⌈>	Ho	165			381408.709	ug/L	359878.050
|	Tl	205	0.1152	8.77	434.677	ug/L	10.000
|	Pb	208	0.0185	66.76	106.667	ug/L	43.333
L	U	238	0.0747	22.70	1086.066	ug/L	10.667
⌈>	Sc-1	45			2666276.013	ug/L	2201731.976
|	Cr	50	0.2751	45.51	3.712	ug/L	-72.319

L	Cr	53	0.1892	39.72	1013.390	ug/L	711.361
⌈	Ni	61	10.1743	55.80	12797.677	ug/L	10777.720
|	Cu	63	0.0392	39.76	562.018	ug/L	361.341
L>	Ge	74			1284632.652	ug/L	1165756.520
⌈	Ag	109	0.1118	31.10	657.358	ug/L	86.667
L>	In-1	115			607059.294	ug/L	586773.523
⌈	Pb	206	-0.2444	75.75	0.667	ug/L	2.000
|	Pb	207	0.0348	46.04	42.000	ug/L	8.000
L>	Ho-1	165			381408.709	ug/L	359878.050
⌈	Se	78	0.3938	197.12	7932.391	ug/L	7059.664
|>	Ge-1	72			921035.385	ug/L	831072.573
|	Br	79			475.346	ug/L	451.345
|	Kr	83			51.757	ug/L	53.009
L	Se	76	-57.8238	67.51	323498.856	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
⌈	Be	9				
|	Al	27				
⌊>	Sc	45		121.099		
⌈	V	51				
|	Cr	52				
|	Mn	55				
|	Fe	57				
|	Co	59				
|	Ni	60				
|	Cu	65				
|>	Ge	72		110.825		
|	Zn	68				
|	As	75				
⌊	Se	82				
⌈	Mo	97				
|	Ag	107				
|>	In	115		103.457		
|	Cd	111				
|	Sn	117				
|	Sb	121				
⌊	Ba	135				
⌈>	Ho	165		105.983		
|	Tl	205				
|	Pb	208				
⌊	U	238				
⌈>	Sc-1	45				
|	Cr	50				
⌊	Cr	53				
⌈	Ni	61				
|	Cu	63				
⌊>	Ge	74				
⌈	Ag	109				
⌊>	In-1	115				
⌈	Pb	206				
|	Pb	207				
⌊>	Ho-1	165				
⌈	Se	78				
|>	Ge-1	72				
|	Br	79				
|	Kr	83				
⌊	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Sc 45 Int Std for samp	Sc	45	Sc 45 out of limits (30-120%)
Fe 57 Lower	Fe	57	Fe below RL

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:38:25
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.012
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	46.9599	1.04	14583.688	ug/L	1.333
|	Al	27	49.3510	1.38	255786.694	ug/L	7517.774
L>	Sc	45			2596310.207	ug/L	2201731.976
⌈	V	51	53.1742	2.56	375795.580	ug/L	2202.381
|	Cr	52	52.8910	1.18	332237.461	ug/L	8139.643
|	Mn	55	52.7591	1.55	446892.976	ug/L	872.042
|	Fe	57	2658.2096	2.30	499145.527	ug/L	16648.381
|	Co	59	52.7348	0.75	432025.962	ug/L	51.333
|	Ni	60	53.0857	1.08	96372.225	ug/L	30.398
|	Cu	65	51.9663	1.13	109383.790	ug/L	168.361
|>	Ge	72			922740.639	ug/L	831072.573
|	Zn	68	52.3015	2.16	38006.627	ug/L	288.671
|	As	75	50.9222	2.74	66585.251	ug/L	-496.705
L	Se	82	49.9532	0.45	5587.776	ug/L	81.517
⌈	Mo	97	51.3647	2.09	64896.146	ug/L	66.000
|	Ag	107	52.0827	2.46	280409.988	ug/L	85.334
|>	In	115			601703.061	ug/L	586773.523
|	Cd	111	52.9684	1.40	57063.125	ug/L	3.215
|	Sn	117	52.4607	1.51	47047.430	ug/L	36.000
|	Sb	121	51.6614	0.68	171965.549	ug/L	28.667
L	Ba	135	52.5570	2.87	43444.064	ug/L	17.958
⌈>	Ho	165			370371.219	ug/L	359878.050
|	Tl	205	49.8102	4.47	178268.513	ug/L	10.000
|	Pb	208	50.0863	4.41	162625.843	ug/L	43.333
L	U	238	49.8091	5.36	699158.189	ug/L	10.667
⌈>	Sc-1	45			2596310.207	ug/L	2201731.976
|	Cr	50	48.3627	0.78	15557.843	ug/L	-72.319

L	Cr	53	48.3941	1.87	38751.099	ug/L	711.361
⌈	Ni	61	53.9188	11.27	16704.684	ug/L	10777.720
|	Cu	63	53.2435	1.11	222219.885	ug/L	361.341
L>	Ge	74			1280109.150	ug/L	1165756.520
⌈	Ag	109	52.9666	1.85	266610.302	ug/L	86.667
L>	In-1	115			601703.061	ug/L	586773.523
⌈	Pb	206	51.1397	14.93	300.672	ug/L	2.000
|	Pb	207	50.0430	4.04	47046.756	ug/L	8.000
L>	Ho-1	165			370371.219	ug/L	359878.050
⌈	Se	78	51.2010	1.49	21969.433	ug/L	7059.664
|>	Ge-1	72			922740.639	ug/L	831072.573
|	Br	79			500.680	ug/L	451.345
|	Kr	83			71.048	ug/L	53.009
L	Se	76	7.7984	162.82	329737.251	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
⌈	Be	9	93.920			
|	Al	27	98.702			
⌊>	Sc	45		117.921		
⌈	V	51	106.348			
|	Cr	52	105.782			
|	Mn	55	105.518			
|	Fe	57	106.328			
|	Co	59	105.470			
|	Ni	60	106.171			
|	Cu	65	103.933			
|>	Ge	72		111.030		
|	Zn	68	104.603			
|	As	75	101.844			
⌊	Se	82	99.906			
⌈	Mo	97	102.729			
|	Ag	107	104.165			
|>	In	115		102.544		
|	Cd	111	105.937			
|	Sn	117	104.921			
|	Sb	121	103.323			
⌊	Ba	135	105.114			
⌈>	Ho	165		102.916		
|	Tl	205	99.620			
|	Pb	208	100.173			
⌊	U	238	99.618			
⌈>	Sc-1	45				
|	Cr	50				
⌊	Cr	53				
⌈	Ni	61				
|	Cu	63				
⌊>	Ge	74				
⌈	Ag	109				
⌊>	In-1	115				
⌈	Pb	206				
|	Pb	207				
⌊>	Ho-1	165				
⌈	Se	78				
|>	Ge-1	72				
|	Br	79				
|	Kr	83				
⌊	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 11:42:08
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.013
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	-0.0029	125.96	0.667	ug/L	1.333
|	Al	27	0.2163	32.87	9978.146	ug/L	7517.774
L>	Sc	45			2603964.806	ug/L	2201731.976
⌈	V	51	0.0087	602.72	2489.795	ug/L	2202.381
|	Cr	52	0.0551	23.56	9306.762	ug/L	8139.643
|	Mn	55	0.0143	27.24	1081.398	ug/L	872.042
|	Fe	57	1.0369	201.22	18535.825	ug/L	16648.381
|	Co	59	0.0011	89.94	65.334	ug/L	51.333
|	Ni	60	0.0040	83.88	40.654	ug/L	30.398
|	Cu	65	0.0195	20.25	226.307	ug/L	168.361
|>	Ge	72			916056.533	ug/L	831072.573
|	Zn	68	0.0891	47.80	382.008	ug/L	288.671
|	As	75	-0.0402	235.75	-600.187	ug/L	-496.705
L	Se	82	-0.1929	41.96	68.769	ug/L	81.517
⌈	Mo	97	0.0696	7.86	154.668	ug/L	66.000
|	Ag	107	0.0161	68.65	173.335	ug/L	85.334
|>	In	115			598297.917	ug/L	586773.523
|	Cd	111	0.0110	48.99	15.055	ug/L	3.215
|	Sn	117	0.1435	15.58	164.668	ug/L	36.000
|	Sb	121	0.1458	8.72	512.014	ug/L	28.667
L	Ba	135	0.0051	358.47	22.604	ug/L	17.958
⌈>	Ho	165			373220.227	ug/L	359878.050
|	Tl	205	0.0171	26.63	72.000	ug/L	10.000
|	Pb	208	0.0020	79.55	51.333	ug/L	43.333
L	U	238	0.0114	29.81	171.335	ug/L	10.667
⌈>	Sc-1	45			2603964.806	ug/L	2201731.976
|	Cr	50	0.1943	41.93	-22.391	ug/L	-72.319

L	Cr	53	0.2666	5.13	1050.727	ug/L	711.361
⌈	Ni	61	19.4031	34.28	13522.731	ug/L	10777.720
|	Cu	63	0.0248	41.00	498.014	ug/L	361.341
L>	Ge	74			1274083.760	ug/L	1165756.520
⌈	Ag	109	0.0141	51.99	159.335	ug/L	86.667
L>	In-1	115			598297.917	ug/L	586773.523
⌈	Pb	206	-0.0092	3751.20	2.000	ug/L	2.000
|	Pb	207	0.0047	235.93	12.667	ug/L	8.000
L>	Ho-1	165			373220.227	ug/L	359878.050
⌈	Se	78	1.2607	7.64	8127.151	ug/L	7059.664
|>	Ge-1	72			916056.533	ug/L	831072.573
|	Br	79			483.346	ug/L	451.345
|	Kr	83			63.248	ug/L	53.009
L	Se	76	-29.7557	115.19	324144.454	ug/L	296375.317

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		118.269		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		110.226		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		101.964		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		103.707		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Reslope Before Continuing Analytical Run

Corrective action was taken as stated in method 6020 section 7.8

…"During the course of an analytical run, the instrument may be "resloped" or recalibrated to correct for instrument drift. A recalibration must then be followed immediately by a new analysis of a CCV and CCB before any further samples are analyzed."

Analyst: DSamer

Date: 7/16/07

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: Blank

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 14:53:58
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Blank.054
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9			3.333	ug/L	
|	Al	27			9079.871	ug/L	
|>	Sc	45			2170563.994	ug/L	
⌈	V	51			2400.242	ug/L	
|	Cr	52			8477.953	ug/L	
|	Mn	55			1045.394	ug/L	
|	Fe	57			17996.421	ug/L	
|	Co	59			70.000	ug/L	
|	Ni	60			45.202	ug/L	
|	Cu	65			204.986	ug/L	
|>	Ge	72			809826.385	ug/L	
|	Zn	68			338.006	ug/L	
|	As	75			-586.901	ug/L	
⌊	Se	82			56.516	ug/L	
⌈	Mo	97			78.000	ug/L	
|	Ag	107			638.023	ug/L	
|>	In	115			570233.132	ug/L	
|	Cd	111			5.860	ug/L	
|	Sn	117			40.000	ug/L	
|	Sb	121			112.001	ug/L	
⌊	Ba	135			15.944	ug/L	
⌈>	Ho	165			367928.259	ug/L	
|	Tl	205			15.333	ug/L	
|	Pb	208			41.333	ug/L	
⌊	U	238			73.334	ug/L	
⌈>	Sc-1	45			2170563.994	ug/L	
|	Cr	50			69.718	ug/L	

L	Cr	53	726.029	ug/L
⌈	Ni	61	11680.172	ug/L
|	Cu	63	418.676	ug/L
L>	Ge	74	1142795.119	ug/L
⌈	Ag	109	606.688	ug/L
L>	In-1	115	570233.132	ug/L
⌈	Pb	206	2.000	ug/L
|	Pb	207	21.333	ug/L
L>	Ho-1	165	367928.259	ug/L
⌈	Se	78	7466.010	ug/L
|>	Ge-1	72	809826.385	ug/L
|	Br	79	582.685	ug/L
|	Kr	83	49.122	ug/L
L	Se	76	292471.544	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
⌈	Be	9				
|	Al	27				
⌊>	Sc	45				
⌈	V	51				
|	Cr	52				
|	Mn	55				
|	Fe	57				
|	Co	59				
|	Ni	60				
|	Cu	65				
|>	Ge	72				
|	Zn	68				
|	As	75				
⌊	Se	82				
⌈	Mo	97				
|	Ag	107				
|>	In	115				
|	Cd	111				
|	Sn	117				
|	Sb	121				
⌊	Ba	135				
⌈>	Ho	165				
|	Tl	205				
|	Pb	208				
⌊	U	238				
⌈>	Sc-1	45				
|	Cr	50				
⌊	Cr	53				
⌈	Ni	61				
|	Cu	63				
⌊>	Ge	74				
⌈	Ag	109				
⌊>	In-1	115				
⌈	Pb	206				
|	Pb	207				
⌊>	Ho-1	165				
⌈	Se	78				
|>	Ge-1	72				
|	Br	79				
|	Kr	83				
⌊	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: Standard 1

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 14:57:38
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Standard 1.055
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 2
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	100.0000	5.03	24686.160	ug/L	3.333
|	Al	27	100.0000	3.59	429147.542	ug/L	9079.871
⌊>	Sc	45			2191131.396	ug/L	2170563.994
⌈	V	51	100.0000	1.69	661764.341	ug/L	2400.242
|	Cr	52	100.0000	1.76	578892.831	ug/L	8477.953
|	Mn	55	100.0000	0.60	779133.138	ug/L	1045.394
|	Fe	57	5000.0000	2.54	844896.476	ug/L	17996.421
|	Co	59	100.0000	2.88	747489.844	ug/L	70.000
|	Ni	60	100.0000	2.07	167159.626	ug/L	45.202
|	Cu	65	100.0000	1.95	192568.859	ug/L	204.986
|>	Ge	72			810156.454	ug/L	809826.385
|	Zn	68	100.0000	2.42	65789.273	ug/L	338.006
|	As	75	100.0000	0.81	123039.364	ug/L	-586.901
⌊	Se	82	100.0000	1.16	10359.070	ug/L	56.516
⌈	Mo	97	100.0000	4.27	124798.384	ug/L	78.000
|	Ag	107	100.0000	3.24	544087.510	ug/L	638.023
|>	In	115			556219.120	ug/L	570233.132
|	Cd	111	100.0000	3.21	107329.945	ug/L	5.860
|	Sn	117	100.0000	4.87	88140.742	ug/L	40.000
|	Sb	121	100.0000	2.28	326586.037	ug/L	112.001
⌊	Ba	135	100.0000	1.46	81113.334	ug/L	15.944
⌈>	Ho	165			357486.899	ug/L	367928.259
|	Tl	205	100.0000	3.84	376222.510	ug/L	15.333
|	Pb	208	100.0000	3.00	327455.004	ug/L	41.333
⌊	U	238	100.0000	4.19	1405081.497	ug/L	73.334
⌈>	Sc-1	45			2191131.396	ug/L	2170563.994
|	Cr	50	100.0000	2.38	27906.509	ug/L	69.718

L	Cr	53	100.0000	3.89	68374.870	ug/L	726.029
⌈	Ni	61	100.0000	2.05	19375.960	ug/L	11680.172
|	Cu	63	100.0000	2.50	385197.667	ug/L	418.676
L>	Ge	74			1121626.321	ug/L	1142795.119
⌈	Ag	109	100.0000	2.76	498991.195	ug/L	606.688
L>	In-1	115			556219.120	ug/L	570233.132
⌈	Pb	206	100.0000	7.49	603.353	ug/L	2.000
|	Pb	207	100.0000	4.44	97965.814	ug/L	21.333
L>	Ho-1	165			357486.899	ug/L	367928.259
⌈	Se	78	100.0000	1.78	32806.783	ug/L	7466.010
|>	Ge-1	72			810156.454	ug/L	809826.385
|	Br	79			588.019	ug/L	582.685
|	Kr	83			70.743	ug/L	49.122
L	Se	76	100.0000	373.00	294547.406	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45				
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72				
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115				
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165				
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:01:21
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.056
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	48.6893	5.45	12033.964	ug/L	3.333
|	Al	27	49.4076	4.88	216885.378	ug/L	9079.871
⌊>	Sc	45			2193988.255	ug/L	2170563.994
⌈	V	51	48.6869	2.51	323129.173	ug/L	2400.242
|	Cr	52	49.7110	1.40	291796.465	ug/L	8477.953
|	Mn	55	49.5670	3.02	386342.790	ug/L	1045.394
|	Fe	57	2487.7256	2.66	429029.189	ug/L	17996.421
|	Co	59	49.3668	1.20	368752.485	ug/L	70.000
|	Ni	60	49.1557	1.79	82118.329	ug/L	45.202
|	Cu	65	49.7544	1.64	95835.552	ug/L	204.986
|>	Ge	72			809527.021	ug/L	809826.385
|	Zn	68	49.2554	2.34	32547.500	ug/L	338.006
|	As	75	49.2076	0.60	60196.583	ug/L	-586.901
⌊	Se	82	49.0125	2.27	5101.403	ug/L	56.516
⌈	Mo	97	48.3210	3.07	61789.310	ug/L	78.000
|	Ag	107	48.3263	2.39	269556.985	ug/L	638.023
|>	In	115			569376.132	ug/L	570233.132
|	Cd	111	49.3339	2.16	54217.978	ug/L	5.860
|	Sn	117	48.8750	3.96	44132.235	ug/L	40.000
|	Sb	121	48.2837	2.75	161484.418	ug/L	112.001
⌊	Ba	135	48.8604	2.00	40578.203	ug/L	15.944
⌈>	Ho	165			360241.308	ug/L	367928.259
|	Tl	205	48.5133	1.01	184028.767	ug/L	15.333
|	Pb	208	49.2984	3.17	162728.120	ug/L	41.333
⌊	U	238	49.6586	4.65	703059.359	ug/L	73.334
⌈>	Sc-1	45			2193988.255	ug/L	2170563.994
|	Cr	50	50.3439	7.56	14088.846	ug/L	69.718

L	Cr	53	49.0078	2.52	33933.886	ug/L	726.029
Γ	Ni	61	53.5228	18.54	15913.281	ug/L	11680.172
I	Cu	63	49.5967	3.30	193784.614	ug/L	418.676
L>	Ge	74			1136676.094	ug/L	1142795.119
Γ	Ag	109	49.0664	1.92	250990.352	ug/L	606.688
L>	In-1	115			569376.132	ug/L	570233.132
Γ	Pb	206	50.4980	7.85	308.005	ug/L	2.000
I	Pb	207	49.7052	1.25	49114.996	ug/L	21.333
L>	Ho-1	165			360241.308	ug/L	367928.259
Γ	Se	78	48.9792	3.55	19861.255	ug/L	7466.010
I>	Ge-1	72			809527.021	ug/L	809826.385
I	Br	79			534.682	ug/L	582.685
I	Kr	83			68.663	ug/L	49.122
L	Se	76	184.5921	115.02	295999.213	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9	97.379			
	Al	27	98.815			
>	Sc	45		101.079		
	V	51	97.374			
	Cr	52	99.422			
	Mn	55	99.134			
	Fe	57	99.509			
	Co	59	98.734			
	Ni	60	98.311			
	Cu	65	99.509			
>	Ge	72		99.963		
	Zn	68	98.511			
	As	75	98.415			
	Se	82	98.025			
	Mo	97	96.642			
	Ag	107	96.653			
>	In	115		99.850		
	Cd	111	98.668			
	Sn	117	97.750			
	Sb	121	96.567			
	Ba	135	97.721			
>	Ho	165		97.911		
	Tl	205	97.027			
	Pb	208	98.597			
	U	238	99.317			
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:05:04
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.057
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0027	535.74	4.000	ug/L	3.333
|	Al	27	0.0848	123.75	9522.323	ug/L	9079.871
⌊>	Sc	45			2191987.959	ug/L	2170563.994
⌈	V	51	-0.0200	47.11	2281.830	ug/L	2400.242
|	Cr	52	-0.0294	14.92	8355.839	ug/L	8477.953
|	Mn	55	0.0022	47.42	1068.730	ug/L	1045.394
|	Fe	57	-6.9897	45.24	16928.222	ug/L	17996.421
|	Co	59	0.0028	131.66	92.000	ug/L	70.000
|	Ni	60	0.0090	87.54	60.487	ug/L	45.202
|	Cu	65	-0.0072	119.97	192.340	ug/L	204.986
|>	Ge	72			814306.908	ug/L	809826.385
|	Zn	68	-0.0021	1061.56	338.673	ug/L	338.006
|	As	75	-0.0309	161.60	-628.036	ug/L	-586.901
⌊	Se	82	0.0495	61.06	61.979	ug/L	56.516
⌈	Mo	97	0.0278	45.09	112.667	ug/L	78.000
|	Ag	107	-0.0537	19.56	334.006	ug/L	638.023
|>	In	115			565112.516	ug/L	570233.132
|	Cd	111	-0.0000	5646.89	5.797	ug/L	5.860
|	Sn	117	0.1247	38.37	150.668	ug/L	40.000
|	Sb	121	0.0484	11.40	271.337	ug/L	112.001
⌊	Ba	135	0.0204	48.75	32.608	ug/L	15.944
⌈>	Ho	165			362563.581	ug/L	367928.259
|	Tl	205	0.0037	42.55	29.333	ug/L	15.333
|	Pb	208	0.0040	81.58	54.000	ug/L	41.333
⌊	U	238	0.0106	20.26	223.336	ug/L	73.334
⌈>	Sc-1	45			2191987.959	ug/L	2170563.994
|	Cr	50	-0.0012	8287.66	70.412	ug/L	69.718

L	Cr	53	-0.1448	32.49	634.689	ug/L	726.029
Γ	Ni	61	8.4865	72.22	12356.405	ug/L	11680.172
|	Cu	63	-0.0026	198.79	408.009	ug/L	418.676
L>	Ge	74			1141810.601	ug/L	1142795.119
Γ	Ag	109	-0.0582	18.79	305.339	ug/L	606.688
L>	In-1	115			565112.516	ug/L	570233.132
Γ	Pb	206	-0.2140	88.15	0.667	ug/L	2.000
|	Pb	207	-0.0037	268.42	17.333	ug/L	21.333
L>	Ho-1	165			362563.581	ug/L	367928.259
Γ	Se	78	-0.9754	12.32	7258.564	ug/L	7466.010
|>	Ge-1	72			814306.908	ug/L	809826.385
|	Br	79			532.016	ug/L	582.685
|	Kr	83			40.665	ug/L	49.122
L	Se	76	-252.8632	65.21	289045.176	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		100.987		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		100.553		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		99.102		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		98.542		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSA

Sample Description: ICSA
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:09:11
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.058
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0029	197.54	3.333	ug/L	3.333
|	Al	27	113051.7587	2.78	387917668.561	ug/L	9079.871
⌊>	Sc	45			1788933.648	ug/L	2170563.994
⌈	V	51	0.6582	13.87	6330.604	ug/L	2400.242
|	Cr	52	3.3585	2.94	25940.963	ug/L	8477.953
|	Mn	55	1.2908	0.65	10408.622	ug/L	1045.394
|	Fe	57	96515.5319	4.70	14999323.535	ug/L	17996.421
|	Co	59	0.3926	1.42	2820.438	ug/L	70.000
|	Ni	60	7.9694	7.41	12538.521	ug/L	45.202
|	Cu	65	1.9366	2.74	3689.024	ug/L	204.986
|>	Ge	72			760458.212	ug/L	809826.385
|	Zn	68	15.3679	1.37	9758.568	ug/L	338.006
|	As	75	0.1133	272.56	-421.228	ug/L	-586.901
⌊	Se	82	1.6051	18.74	208.179	ug/L	56.516
⌈	Mo	97	2218.5835	3.37	2356803.640	ug/L	78.000
|	Ag	107	-0.0485	11.23	305.338	ug/L	638.023
|>	In	115			473364.373	ug/L	570233.132
|	Cd	111	4.7226	6.50	4319.117	ug/L	5.860
|	Sn	117	0.1769	12.58	166.002	ug/L	40.000
|	Sb	121	0.2063	7.28	666.691	ug/L	112.001
⌊	Ba	135	0.0736	24.69	63.971	ug/L	15.944
⌈>	Ho	165			279940.571	ug/L	367928.259
|	Tl	205	0.0010	71.98	14.667	ug/L	15.333
|	Pb	208	0.1145	14.39	324.673	ug/L	41.333
⌊	U	238	0.0066	21.43	128.668	ug/L	73.334
⌈>	Sc-1	45			1788933.648	ug/L	2170563.994
|	Cr	50	-493.3015	17.74	-112062.722	ug/L	69.718

L	Cr	53	34.3822	1.91	19594.431	ug/L	726.029
Γ	Ni	61	49.2233	13.60	13446.606	ug/L	11680.172
|	Cu	63	3.0377	1.90	10599.512	ug/L	418.676
L>	Ge	74			982383.824	ug/L	1142795.119
Γ	Ag	109	-0.0444	18.26	315.339	ug/L	606.688
L>	In-1	115			473364.373	ug/L	570233.132
Γ	Pb	206	-0.0386	638.31	1.333	ug/L	2.000
|	Pb	207	0.1274	2.77	114.001	ug/L	21.333
L>	Ho-1	165			279940.571	ug/L	367928.259
Γ	Se	78	-1.9556	55.49	6544.485	ug/L	7466.010
|>	Ge-1	72			760458.212	ug/L	809826.385
|	Br	79			2809.768	ug/L	582.685
|	Kr	83			739.501	ug/L	49.122
L	Se	76	-1618.1823	19.22	244548.220	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		82.418		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		93.904		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		83.012		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		76.086		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSAB

Sample Description: ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:13:01
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.059
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 7
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Rerun
SAMPLE MADE WRONG
DG 7/16/07

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.1484	24.03	34.667	ug/L	3.333
|	Al	27	108518.7782	4.60	393628040.747	ug/L	9079.871
|>	Sc	45			1892413.756	ug/L	2170563.994
⌈	V	51	0.4740	36.66	5334.467	ug/L	2400.242
|	Cr	52	3.4930	5.98	27470.126	ug/L	8477.953
|	Mn	55	1.4024	3.46	11564.685	ug/L	1045.394
|	Fe	57	94347.3195	3.32	15108162.529	ug/L	17996.421
|	Co	59	0.5000	1.45	3682.746	ug/L	70.000
|	Ni	60	7.4313	0.77	12058.095	ug/L	45.202
|	Cu	65	1.8849	12.79	3701.619	ug/L	204.986
|>	Ge	72			783845.262	ug/L	809826.385
|	Zn	68	15.7608	4.52	10302.504	ug/L	338.006
|	As	75	0.4652	55.44	-14.408	ug/L	-586.901
⌊	Se	82	1.6368	4.40	217.787	ug/L	56.516
⌈	Mo	97	2375.0731	4.88	2599081.626	ug/L	78.000
|	Ag	107	0.6250	42.73	3504.060	ug/L	638.023
|>	In	115			488175.387	ug/L	570233.132
|	Cd	111	4.2978	10.36	4063.195	ug/L	5.860
|	Sn	117	94.2053	4.12	72873.611	ug/L	40.000
|	Sb	121	185.6658	4.50	531821.950	ug/L	112.001
⌊	Ba	135	0.2364	6.44	181.745	ug/L	15.944
⌈>	Ho	165			289011.232	ug/L	367928.259
|	Tl	205	0.1399	10.28	436.677	ug/L	15.333
|	Pb	208	0.2603	3.08	722.029	ug/L	41.333
⌊	U	238	0.1685	6.22	1968.880	ug/L	73.334
⌈>	Sc-1	45			1892413.756	ug/L	2170563.994
|	Cr	50	-519.7566	9.25	-124893.286	ug/L	69.718

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L	Cr	53	32.5447	3.10	19651.221	ug/L	726.029
Γ	Ni	61	46.9557	25.35	13792.456	ug/L	11680.172
I	Cu	63	3.1264	6.79	11304.358	ug/L	418.676
L>	Ge	74			1021339.575	ug/L	1142795.119
Γ	Ag	109	0.6296	38.35	3253.950	ug/L	606.688
L>	In-1	115			488175.387	ug/L	570233.132
Γ	Pb	206	0.7711	82.56	5.333	ug/L	2.000
I	Pb	207	0.2623	8.98	224.669	ug/L	21.333
L>	Ho-1	165			289011.232	ug/L	367928.259
Γ	Se	78	-2.0370	53.77	6724.217	ug/L	7466.010
I>	Ge-1	72			783845.262	ug/L	809826.385
I	Br	79			2963.817	ug/L	582.685
I	Kr	83			702.743	ug/L	49.122
L	Se	76	-1199.5658	22.60	260171.127	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		87.185		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		96.792		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		85.610		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		78.551		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RINSE

Sample Description: Rinse Blank following ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:16:48
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RINSE.060
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	-0.0084	53.73	1.333	ug/L	3.333
|	Al	27	0.3785	126.84	11353.872	ug/L	9079.871
⌊>	Sc	45			2321190.259	ug/L	2170563.994
⌈	V	51	0.0012	3917.43	2470.136	ug/L	2400.242
|	Cr	52	0.0134	393.23	8756.215	ug/L	8477.953
|	Mn	55	-0.0056	72.61	1026.058	ug/L	1045.394
|	Fe	57	-8.1151	45.86	17047.265	ug/L	17996.421
|	Co	59	-0.0018	101.51	58.000	ug/L	70.000
|	Ni	60	0.0007	209.58	47.551	ug/L	45.202
|	Cu	65	0.0191	50.69	247.988	ug/L	204.986
|>	Ge	72			829434.352	ug/L	809826.385
|	Zn	68	-0.0856	16.45	288.671	ug/L	338.006
|	As	75	-0.0425	202.47	-653.254	ug/L	-586.901
⌊	Se	82	0.0053	1496.34	58.300	ug/L	56.516
⌈	Mo	97	0.4797	6.38	711.361	ug/L	78.000
|	Ag	107	0.1296	49.11	1391.443	ug/L	638.023
|>	In	115			587214.209	ug/L	570233.132
|	Cd	111	0.0031	244.97	9.386	ug/L	5.860
|	Sn	117	0.0411	21.91	79.334	ug/L	40.000
|	Sb	121	0.0229	46.19	193.335	ug/L	112.001
⌊	Ba	135	-0.0038	110.64	13.269	ug/L	15.944
⌈>	Ho	165			374838.068	ug/L	367928.259
|	Tl	205	-0.0019	102.24	8.000	ug/L	15.333
|	Pb	208	0.0006	652.01	44.000	ug/L	41.333
⌊	U	238	-0.0029	15.53	31.333	ug/L	73.334
⌈>	Sc-1	45			2321190.259	ug/L	2170563.994
|	Cr	50	-0.1010	179.21	43.331	ug/L	69.718

L	Cr	53	0.8213	5.07	1366.103	ug/L	726.029
⌈	Ni	61	-2.4153	367.53	11760.962	ug/L	11680.172
|	Cu	63	0.0223	13.76	518.015	ug/L	418.676
L>	Ge	74			1169973.780	ug/L	1142795.119
⌈	Ag	109	0.1211	41.31	1255.422	ug/L	606.688
L>	In-1	115			587214.209	ug/L	570233.132
⌈	Pb	206	-0.0059	103.89	2.000	ug/L	2.000
|	Pb	207	-0.0082	24.49	13.333	ug/L	21.333
L>	Ho-1	165			374838.068	ug/L	367928.259
⌈	Se	78	-1.2898	110.14	7306.435	ug/L	7466.010
|>	Ge-1	72			829434.352	ug/L	809826.385
|	Br	79			667.358	ug/L	582.685
|	Kr	83			66.067	ug/L	49.122
L	Se	76	-78.8153	200.24	297945.581	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		106.939		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		102.421		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		102.978		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		101.878		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Lower	Fe	57	Fe below RL

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: HIGH CHECK

Sample Description: True Value 1000 ug/L
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:20:33
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\HIGH CHECK.061
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 12
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	990.0823	4.84	250470.224	ug/L	3.333
|	Al	27	1006.9137	5.21	4342698.303	ug/L	9079.871
⌊>	Sc	45			2245847.419	ug/L	2170563.994
⌈	V	51	1025.6102	6.99	6710598.336	ug/L	2400.242
|	Cr	52	1018.1250	5.49	5770973.857	ug/L	8477.953
|	Mn	55	1004.2760	5.87	7753912.947	ug/L	1045.394
|	Fe	57	25410.1241	6.15	4187211.914	ug/L	17996.421
|	Co	59	1012.5428	4.83	7510425.929	ug/L	70.000
|	Ni	60	971.3355	3.78	1611151.535	ug/L	45.202
|	Cu	65	961.8582	4.94	1836390.746	ug/L	204.986
|>	Ge	72			804685.339	ug/L	809826.385
|	Zn	68	990.1827	4.20	643586.467	ug/L	338.006
|	As	75	960.7417	3.89	1178256.910	ug/L	-586.901
⌊	Se	82	977.7551	4.56	100021.369	ug/L	56.516
⌈	Mo	97	940.8545	6.79	1174492.616	ug/L	78.000
|	Ag	107	914.5089	6.71	4974103.314	ug/L	638.023
|>	In	115			557538.960	ug/L	570233.132
|	Cd	111	959.6936	6.99	1030563.599	ug/L	5.860
|	Sn	117	1043.0857	5.79	920180.138	ug/L	40.000
|	Sb	121	981.5930	7.98	3205376.620	ug/L	112.001
⌊	Ba	135	922.3315	6.77	748316.201	ug/L	15.944
⌈>	Ho	165			344065.161	ug/L	367928.259
|	Tl	205	981.1882	6.97	3547974.365	ug/L	15.333
|	Pb	208	984.1877	4.67	3098522.061	ug/L	41.333
⌊	U	238	1000.3999	5.49	13509799.108	ug/L	73.334
⌈>	Sc-1	45			2245847.419	ug/L	2170563.994
|	Cr	50	926.0433	4.78	264214.169	ug/L	69.718

L	Cr	53	934.6367	3.45	648778.563	ug/L	726.029
Γ	Ni	61	932.8457	2.46	85611.269	ug/L	11680.172
I	Cu	63	1011.7592	3.66	3909055.849	ug/L	418.676
L>	Ge	74			1126094.558	ug/L	1142795.119
Γ	Ag	109	916.2400	7.53	4568688.139	ug/L	606.688
L>	In-1	115			557538.960	ug/L	570233.132
Γ	Pb	206	969.0554	6.37	5604.394	ug/L	2.000
I	Pb	207	1021.3268	4.74	962264.265	ug/L	21.333
L>	Ho-1	165			344065.161	ug/L	367928.259
Γ	Se	78	996.4975	4.57	257977.450	ug/L	7466.010
I>	Ge-1	72			804685.339	ug/L	809826.385
I	Br	79			784.701	ug/L	582.685
I	Kr	83			168.847	ug/L	49.122
L	Se	76	4435.8589	1.90	377848.640	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		103.468		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		99.365		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		97.774		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		93.514		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RINSE

Sample Description: Rinse Blank following High Check
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:26:18
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RINSE.062
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0071	328.16	5.333	ug/L	3.333
|	Al	27	-0.2663	64.45	8169.679	ug/L	9079.871
⌊>	Sc	45			2228651.804	ug/L	2170563.994
⌈	V	51	0.0081	526.46	2433.325	ug/L	2400.242
|	Cr	52	0.0045	1321.58	8413.894	ug/L	8477.953
|	Mn	55	-0.0177	32.32	898.044	ug/L	1045.394
|	Fe	57	-7.9699	33.38	16503.737	ug/L	17996.421
|	Co	59	-0.0019	90.87	55.334	ug/L	70.000
|	Ni	60	0.0015	360.37	47.291	ug/L	45.202
|	Cu	65	0.0094	36.42	220.976	ug/L	204.986
|>	Ge	72			801665.420	ug/L	809826.385
|	Zn	68	-0.0448	133.67	306.005	ug/L	338.006
|	As	75	0.0122	573.69	-565.104	ug/L	-586.901
⌊	Se	82	0.0506	183.75	61.261	ug/L	56.516
⌈	Mo	97	0.1319	21.52	244.670	ug/L	78.000
|	Ag	107	-0.0091	1074.66	574.028	ug/L	638.023
|>	In	115			567639.256	ug/L	570233.132
|	Cd	111	0.0017	392.47	7.560	ug/L	5.860
|	Sn	117	0.3157	7.04	323.339	ug/L	40.000
|	Sb	121	0.3874	11.09	1399.441	ug/L	112.001
⌊	Ba	135	0.0040	131.08	19.287	ug/L	15.944
⌈>	Ho	165			368577.806	ug/L	367928.259
|	Tl	205	0.0692	14.33	284.671	ug/L	15.333
|	Pb	208	0.0058	64.93	60.667	ug/L	41.333
⌊	U	238	0.0192	13.11	350.673	ug/L	73.334
⌈>	Sc-1	45			2228651.804	ug/L	2170563.994
|	Cr	50	-0.3121	30.74	-16.379	ug/L	69.718

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└	Cr	53	0.1799	54.38	868.042	ug/L	726.029
┌	Ni	61	9.7238	42.91	12320.358	ug/L	11680.172
│	Cu	63	0.0076	109.88	442.677	ug/L	418.676
└>	Ge	74			1129111.361	ug/L	1142795.119
┌	Ag	109	-0.0636	21.29	278.671	ug/L	606.688
└>	In-1	115			567639.256	ug/L	570233.132
┌	Pb	206	-0.2125	90.07	0.667	ug/L	2.000
│	Pb	207	-0.0092	25.32	12.000	ug/L	21.333
└>	Ho-1	165			368577.806	ug/L	367928.259
┌	Se	78	-0.6125	181.22	7233.127	ug/L	7466.010
│>	Ge-1	72			801665.420	ug/L	809826.385
│	Br	79			552.017	ug/L	582.685
│	Kr	83			53.918	ug/L	49.122
└	Se	76	41.1502	713.91	290366.451	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		102.676		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		98.992		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		99.545		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		100.177		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Lower	Fe	57	Fe below RL

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSA

Sample Description: ICSA
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:32:25
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.063
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0004	4260.80	2.667	ug/L	3.333
|	Al	27	113892.3396	10.91	374615522.851	ug/L	9079.871
|>	Sc	45			1723731.981	ug/L	2170563.994
⌈	V	51	0.5180	34.23	5323.362	ug/L	2400.242
|	Cr	52	3.3576	4.41	25267.072	ug/L	8477.953
|	Mn	55	1.2363	6.24	9749.899	ug/L	1045.394
|	Fe	57	95766.9863	5.05	14496012.240	ug/L	17996.421
|	Co	59	0.4000	3.78	2797.764	ug/L	70.000
|	Ni	60	7.8800	0.38	12084.875	ug/L	45.202
|	Cu	65	1.8811	3.16	3496.685	ug/L	204.986
|>	Ge	72			740955.798	ug/L	809826.385
|	Zn	68	15.1363	2.26	9368.826	ug/L	338.006
|	As	75	0.2923	82.51	-205.850	ug/L	-586.901
⌊	Se	82	1.7680	14.25	218.491	ug/L	56.516
⌈	Mo	97	2179.9760	6.91	2313857.806	ug/L	78.000
|	Ag	107	-0.0609	6.62	248.003	ug/L	638.023
|>	In	115			473806.602	ug/L	570233.132
|	Cd	111	4.1405	0.31	3791.870	ug/L	5.860
|	Sn	117	0.2739	6.20	238.670	ug/L	40.000
|	Sb	121	0.3330	10.77	1017.390	ug/L	112.001
⌊	Ba	135	0.0783	11.10	67.367	ug/L	15.944
⌈>	Ho	165			282886.361	ug/L	367928.259
|	Tl	205	0.0369	70.72	122.668	ug/L	15.333
|	Pb	208	0.1139	7.70	326.673	ug/L	41.333
⌊	U	238	0.0096	29.67	163.335	ug/L	73.334
⌈>	Sc-1	45			1723731.981	ug/L	2170563.994
|	Cr	50	-421.5613	12.24	-92429.932	ug/L	69.718

L	Cr	53	34.0603	8.69	18637.089	ug/L	726.029
Γ	Ni	61	55.0830	2.80	13587.484	ug/L	11680.172
|	Cu	63	2.9616	5.83	10131.647	ug/L	418.676
L>	Ge	74			963290.550	ug/L	1142795.119
Γ	Ag	109	-0.0544	7.25	272.671	ug/L	606.688
L>	In-1	115			473806.602	ug/L	570233.132
Γ	Pb	206	-0.1804	136.81	0.667	ug/L	2.000
|	Pb	207	0.0818	22.12	80.000	ug/L	21.333
L>	Ho-1	165			282886.361	ug/L	367928.259
Γ	Se	78	-2.1997	48.44	6319.341	ug/L	7466.010
|>	Ge-1	72			740955.798	ug/L	809826.385
|	Br	79			2687.731	ug/L	582.685
|	Kr	83			595.971	ug/L	49.122
L	Se	76	-1257.4750	19.94	244832.151	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		79.414		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		91.496		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		83.090		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		76.886		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSAB

Sample Description: ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:36:14
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.064
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 7
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

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Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	108.5836	5.81	21615.671	ug/L	3.333
	Al	27	109693.3268	6.13	371425689.742	ug/L	9079.871
>	Sc	45			1768749.786	ug/L	2170563.994
	V	51	87.0346	5.56	530968.373	ug/L	2400.242
	Cr	52	87.5232	2.01	468102.978	ug/L	8477.953
	Mn	55	85.0173	5.41	610375.244	ug/L	1045.394
	Fe	57	95016.1301	7.37	14487162.479	ug/L	17996.421
	Co	59	83.6720	4.64	576315.462	ug/L	70.000
	Ni	60	88.3186	4.10	136052.284	ug/L	45.202
	Cu	65	80.9672 X	3.39	143748.662	ug/L	204.986
>	Ge	72			747233.816	ug/L	809826.385
	Zn	68	97.1920	3.97	58947.240	ug/L	338.006
	As	75	87.1273	4.09	98731.236	ug/L	-586.901
	Se	82	91.3558	4.23	8725.207	ug/L	56.516
	Mo	97	2237.5156	6.79	2386614.634	ug/L	78.000
	Ag	107	82.4498	4.66	383929.639	ug/L	638.023
>	In	115			476341.873	ug/L	570233.132
	Cd	111	92.4754	5.67	84894.873	ug/L	5.860
	Sn	117	93.4743	6.16	70482.231	ug/L	40.000
	Sb	121	95.5343	5.07	266901.104	ug/L	112.001
	Ba	135	94.1471	4.40	65328.364	ug/L	15.944
>	Ho	165			283464.015	ug/L	367928.259
	Tl	205	93.8695	4.31	279987.854	ug/L	15.333
	Pb	208	97.6713	4.07	253532.266	ug/L	41.333
	U	238	105.1727	5.82	1170746.736	ug/L	73.334
>	Sc-1	45			1768749.786	ug/L	2170563.994
	Cr	50	-419.5369	8.62	-94263.177	ug/L	69.718

L	Cr	53	128.4127	5.28	70648.177	ug/L	726.029
Γ	Ni	61	129.6048	9.78	18862.217	ug/L	11680.172
!	Cu	63	88.2634	5.36	295292.209	ug/L	418.676
L>	Ge	74			975192.108	ug/L	1142795.119
Γ	Ag	109	83.7708	4.67	357722.065	ug/L	606.688
L>	In-1	115			476341.873	ug/L	570233.132
Γ	Pb	206	97.7378	3.08	468.012	ug/L	2.000
I	Pb	207	96.7266	2.20	75169.518	ug/L	21.333
L>	Ho-1	165			283464.015	ug/L	367928.259
Γ	Se	78	91.2053	7.10	28170.634	ug/L	7466.010
I>	Ge-1	72			747233.816	ug/L	809826.385
I	Br	79			2742.414	ug/L	582.685
I	Kr	83			686.477	ug/L	49.122
L	Se	76	-721.2328	46.56	256608.548	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		81.488		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		92.271		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		83.535		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		77.043		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSA B

Sample Description: ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:44:05
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.065
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 7
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	116.3196	3.40	22217.785	ug/L	3.333
|	Al	27	117842.2608	5.22	382728443.959	ug/L	9079.871
⌊>	Sc	45			1695530.099	ug/L	2170563.994
⌈	V	51	90.0103	3.71	522673.235	ug/L	2400.242
|	Cr	52	89.6400	0.88	455921.746	ug/L	8477.953
|	Mn	55	89.1444	2.04	609254.564	ug/L	1045.394
|	Fe	57	97761.8606	3.81	14196236.253	ug/L	17996.421
|	Co	59	89.2465	0.58	585133.063	ug/L	70.000
|	Ni	60	94.0790	0.73	137928.446	ug/L	45.202
|	Cu	65	85.1212	2.20	143808.674	ug/L	204.986
|>	Ge	72			710570.715	ug/L	809826.385
|	Zn	68	102.0262	1.63	58869.372	ug/L	338.006
|	As	75	92.1728	3.24	99429.510	ug/L	-586.901
⌊	Se	82	96.6236	2.07	8780.077	ug/L	56.516
⌈	Mo	97	2307.8699	1.01	2368925.830	ug/L	78.000
|	Ag	107	87.5665	1.11	392073.580	ug/L	638.023
|>	In	115			457457.392	ug/L	570233.132
|	Cd	111	98.5956	0.68	87069.112	ug/L	5.860
|	Sn	117	96.5091	0.51	70011.899	ug/L	40.000
|	Sb	121	98.0847	0.51	263540.104	ug/L	112.001
⌊	Ba	135	99.0834	1.21	66109.314	ug/L	15.944
⌈>	Ho	165			269698.685	ug/L	367928.259
|	Tl	205	100.4504	2.34	285210.608	ug/L	15.333
|	Pb	208	104.4265	1.39	258032.034	ug/L	41.333
⌊	U	238	112.3342	1.37	1190900.149	ug/L	73.334
⌈>	Sc-1	45			1695530.099	ug/L	2170563.994
|	Cr	50	-430.9312	10.16	-92856.181	ug/L	69.718

L	Cr	53	135.2084	3.68	71320.693	ug/L	726.029
⌈	Ni	61	148.9219	5.72	18842.843	ug/L	11680.172
|	Cu	63	94.2824	4.19	294388.573	ug/L	418.676
L>	Ge	74			909374.115	ug/L	1142795.119
⌈	Ag	109	89.0791	1.07	365751.846	ug/L	606.688
L>	In-1	115			457457.392	ug/L	570233.132
⌈	Pb	206	101.8646	2.78	464.012	ug/L	2.000
|	Pb	207	105.9258	2.98	78327.409	ug/L	21.333
L>	Ho-1	165			269698.685	ug/L	367928.259
⌈	Se	78	97.9001	0.79	28306.574	ug/L	7466.010
|>	Ge-1	72			710570.715	ug/L	809826.385
|	Br	79			2683.730	ug/L	582.685
|	Kr	83			647.032	ug/L	49.122
L	Se	76	-447.4893	56.75	248865.304	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		78.115		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		87.744		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		80.223		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		73.302		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RINSE

Sample Description: Rinse Blank following ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:47:51
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RINSE.066
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	-0.0029	426.39	2.667	ug/L	3.333
|	Al	27	0.3202	60.36	10741.697	ug/L	9079.871
⌊>	Sc	45			2240188.165	ug/L	2170563.994
⌈	V	51	0.0257	233.45	2467.069	ug/L	2400.242
|	Cr	52	0.1104	81.88	8756.217	ug/L	8477.953
|	Mn	55	-0.0075	85.10	948.716	ug/L	1045.394
|	Fe	57	-1.4832	228.39	17074.473	ug/L	17996.421
|	Co	59	-0.0025	20.51	49.333	ug/L	70.000
|	Ni	60	0.0044	71.71	50.446	ug/L	45.202
|	Cu	65	0.0401	13.87	271.332	ug/L	204.986
|>	Ge	72			779461.652	ug/L	809826.385
|	Zn	68	-0.0081	685.32	320.006	ug/L	338.006
|	As	75	-0.0392	293.91	-614.058	ug/L	-586.901
⌊	Se	82	0.0791	241.69	61.834	ug/L	56.516
⌈	Mo	97	0.5156	8.45	719.362	ug/L	78.000
|	Ag	107	-0.0966	2.80	97.334	ug/L	638.023
|>	In	115			556507.569	ug/L	570233.132
|	Cd	111	0.0034	35.47	9.372	ug/L	5.860
|	Sn	117	0.0572	32.04	89.334	ug/L	40.000
|	Sb	121	0.0279	22.50	200.669	ug/L	112.001
⌊	Ba	135	-0.0011	372.41	14.619	ug/L	15.944
⌈>	Ho	165			364586.229	ug/L	367928.259
|	Tl	205	0.0026	10.11	25.333	ug/L	15.333
|	Pb	208	0.0031	48.34	51.333	ug/L	41.333
⌊	U	238	0.0065	38.85	165.335	ug/L	73.334
⌈>	Sc-1	45			2240188.165	ug/L	2170563.994
|	Cr	50	0.1681	202.01	121.315	ug/L	69.718

L	Cr	53	0.8493	4.94	1336.765	ug/L	726.029
⌈	Ni	61	11.2727	67.44	12135.435	ug/L	11680.172
|	Cu	63	0.0349	14.56	536.016	ug/L	418.676
L>	Ge	74			1102324.834	ug/L	1142795.119
⌈	Ag	109	-0.0964	3.09	111.334	ug/L	606.688
L>	In-1	115			556507.569	ug/L	570233.132
⌈	Pb	206	-0.2108	92.13	0.667	ug/L	2.000
|	Pb	207	-0.0064	23.59	14.667	ug/L	21.333
L>	Ho-1	165			364586.229	ug/L	367928.259
⌈	Se	78	-0.0413	2194.86	7171.781	ug/L	7466.010
|>	Ge-1	72			779461.652	ug/L	809826.385
|	Br	79			588.686	ug/L	582.685
|	Kr	83			48.878	ug/L	49.122
L	Se	76	22.5915	1873.44	281800.621	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		103.208		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		96.250		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		97.593		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		99.092		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Lower	Fe	57	Fe below RL

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:51:34
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.067
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	47.9482	6.72	11896.451	ug/L	3.333
|	Al	27	48.4766	6.26	213800.625	ug/L	9079.871
L>	Sc	45			2203781.784	ug/L	2170563.994
⌈	V	51	47.7581	6.32	311926.472	ug/L	2400.242
|	Cr	52	48.1934	4.98	278658.761	ug/L	8477.953
|	Mn	55	48.5293	4.98	372331.980	ug/L	1045.394
|	Fe	57	2453.0873	5.54	416611.294	ug/L	17996.421
|	Co	59	49.2896	5.63	362275.009	ug/L	70.000
|	Ni	60	49.0695	5.73	80661.712	ug/L	45.202
|	Cu	65	49.3027	4.42	93472.393	ug/L	204.986
|>	Ge	72			797372.618	ug/L	809826.385
|	Zn	68	48.1488	4.31	31325.219	ug/L	338.006
|	As	75	47.4393	4.69	57091.369	ug/L	-586.901
L	Se	82	47.0290	2.33	4822.641	ug/L	56.516
⌈	Mo	97	47.2417	7.63	59497.546	ug/L	78.000
|	Ag	107	47.7201	6.73	262202.938	ug/L	638.023
|>	In	115			561875.634	ug/L	570233.132
|	Cd	111	48.0859	6.03	52064.871	ug/L	5.860
|	Sn	117	47.3916	7.31	42154.902	ug/L	40.000
|	Sb	121	47.4266	6.55	156259.824	ug/L	112.001
L	Ba	135	48.2376	5.48	39475.352	ug/L	15.944
⌈>	Ho	165			352684.153	ug/L	367928.259
|	Tl	205	46.7009	3.86	173379.889	ug/L	15.333
|	Pb	208	48.5800	5.79	156899.048	ug/L	41.333
L	U	238	48.6382	5.14	673871.618	ug/L	73.334
⌈>	Sc-1	45			2203781.784	ug/L	2170563.994
|	Cr	50	46.6914	6.04	13130.192	ug/L	69.718

L	Cr	53	48.1788	4.44	33501.624	ug/L	726.029
⌈	Ni	61	54.9317	2.16	15619.409	ug/L	11680.172
|	Cu	63	49.8286	3.58	189782.864	ug/L	418.676
L>	Ge	74			1108114.272	ug/L	1142795.119
⌈	Ag	109	48.0685	5.13	242322.502	ug/L	606.688
L>	In-1	115			561875.634	ug/L	570233.132
⌈	Pb	206	49.8329	12.05	297.338	ug/L	2.000
|	Pb	207	48.8119	2.04	47213.637	ug/L	21.333
L>	Ho-1	165			352684.153	ug/L	367928.259
⌈	Se	78	47.7598	6.85	19245.370	ug/L	7466.010
|>	Ge-1	72			797372.618	ug/L	809826.385
|	Br	79			512.681	ug/L	582.685
|	Kr	83			49.795	ug/L	49.122
L	Se	76	-68.6940	639.75	286470.883	ug/L	292471.544

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
Be	9	95.896			
Al	27	96.953			
Sc	45		101.530		
V	51	95.516			
Cr	52	96.387			
Mn	55	97.059			
Fe	57	98.123			
Co	59	98.579			
Ni	60	98.139			
Cu	65	98.605			
Ge	72		98.462		
Zn	68	96.298			
As	75	94.879			
Se	82	94.058			
Mo	97	94.483			
Ag	107	95.440			
In	115		98.534		
Cd	111	96.172			
Sn	117	94.783			
Sb	121	94.853			
Ba	135	96.475			
Ho	165		95.857		
Tl	205	93.402			
Pb	208	97.160			
U	238	97.276			
Sc-1	45				
Cr	50				
Cr	53				
Ni	61				
Cu	63				
Ge	74				
Ag	109				
In-1	115				
Pb	206				
Pb	207				
Ho-1	165				
Se	78				
Ge-1	72				
Br	79				
Kr	83				
Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 15:55:17
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.068
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0059	295.85	4.667	ug/L	3.333
|	Al	27	0.1265	212.89	9479.650	ug/L	9079.871
⌊>	Sc	45			2142351.896	ug/L	2170563.994
⌈	V	51	-0.0120	362.43	2241.334	ug/L	2400.242
|	Cr	52	0.0436	77.63	8430.575	ug/L	8477.953
|	Mn	55	-0.0128	29.96	914.046	ug/L	1045.394
|	Fe	57	2.1356	37.67	17727.734	ug/L	17996.421
|	Co	59	-0.0017	97.02	55.334	ug/L	70.000
|	Ni	60	-0.0018	248.14	40.805	ug/L	45.202
|	Cu	65	-0.0017	484.00	194.943	ug/L	204.986
|>	Ge	72			782419.027	ug/L	809826.385
|	Zn	68	-0.0590	58.21	289.338	ug/L	338.006
|	As	75	-0.0732	256.88	-654.475	ug/L	-586.901
⌊	Se	82	0.1411	42.01	68.654	ug/L	56.516
⌈	Mo	97	0.0804	10.54	174.668	ug/L	78.000
|	Ag	107	-0.0991	2.96	82.667	ug/L	638.023
|>	In	115			550707.311	ug/L	570233.132
|	Cd	111	0.0019	5.25	7.686	ug/L	5.860
|	Sn	117	0.0970	23.56	123.334	ug/L	40.000
|	Sb	121	0.0329	21.01	214.669	ug/L	112.001
⌊	Ba	135	0.0140	69.68	26.597	ug/L	15.944
⌈>	Ho	165			351170.601	ug/L	367928.259
|	Tl	205	0.0002	712.48	15.333	ug/L	15.333
|	Pb	208	0.0038	206.86	52.000	ug/L	41.333
⌊	U	238	0.0047	47.89	135.334	ug/L	73.334
⌈>	Sc-1	45			2142351.896	ug/L	2170563.994
|	Cr	50	-0.0356	483.58	59.637	ug/L	69.718

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L	Cr	53	0.5575	18.11	1084.731	ug/L	726.029
⌈	Ni	61	10.5125	43.89	11947.180	ug/L	11680.172
|	Cu	63	0.0160	23.13	459.345	ug/L	418.676
L>	Ge	74			1090149.385	ug/L	1142795.119
⌈	Ag	109	-0.1076	2.90	54.667	ug/L	606.688
L>	In-1	115			550707.311	ug/L	570233.132
⌈	Pb	206	-0.2081	95.53	0.667	ug/L	2.000
|	Pb	207	0.0038	94.05	24.000	ug/L	21.333
L>	Ho-1	165			351170.601	ug/L	367928.259
⌈	Se	78	1.4179	45.67	7560.720	ug/L	7466.010
|>	Ge-1	72			782419.027	ug/L	809826.385
|	Br	79			528.682	ug/L	582.685
|	Kr	83			55.400	ug/L	49.122
L	Se	76	-116.8362	161.99	280320.362	ug/L	292471.544

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		98.700		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		96.616		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		96.576		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		95.445		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Reslope Before Continuing Analytical Run

Corrective action was taken as stated in method 6020 section 7.8

…"During the course of an analytical run, the instrument may be "resloped" or recalibrated to correct for instrument drift. A recalibration must then be followed immediately by a new analysis of a CCV and CCB before any further samples are analyzed."

Analyst: LRD

Date: 07/16/2007

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: Blank

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 22:34:45
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Blank.173
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9			0.000	ug/L	
|	Al	27			6007.985	ug/L	
L>	Sc	45			947524.233	ug/L	
⌈	V	51			1464.633	ug/L	
|	Cr	52			4195.635	ug/L	
|	Mn	55			514.015	ug/L	
|	Fe	57			8614.374	ug/L	
|	Co	59			42.667	ug/L	
|	Ni	60			39.094	ug/L	
|	Cu	65			282.154	ug/L	
|>	Ge	72			370717.369	ug/L	
|	Zn	68			231.336	ug/L	
|	As	75			-329.434	ug/L	
L	Se	82			31.183	ug/L	
⌈	Mo	97			42.667	ug/L	
|	Ag	107			70.667	ug/L	
|>	In	115			344410.663	ug/L	
|	Cd	111			3.257	ug/L	
|	Sn	117			40.667	ug/L	
|	Sb	121			50.000	ug/L	
L	Ba	135			37.293	ug/L	
⌈>	Ho	165			228131.191	ug/L	
|	Tl	205			17.333	ug/L	
|	Pb	208			50.000	ug/L	
L	U	238			66.667	ug/L	
⌈>	Sc-1	45			947524.233	ug/L	
|	Cr	50			73.599	ug/L	

L	Cr	53	1108.068	ug/L
⌈	Ni	61	5998.646	ug/L
|	Cu	63	570.685	ug/L
L>	Ge	74	528771.695	ug/L
⌈	Ag	109	61.334	ug/L
L>	In-1	115	344410.663	ug/L
⌈	Pb	206	0.000	ug/L
|	Pb	207	10.000	ug/L
L>	Ho-1	165	228131.191	ug/L
⌈	Se	78	3830.540	ug/L
|>	Ge-1	72	370717.369	ug/L
|	Br	79	1106.067	ug/L
|	Kr	83	32.252	ug/L
L	Se	76	139224.413	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45				
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72				
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115				
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165				
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: Standard 1

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 22:38:25
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Standard 1.174
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 2
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	100.0000	3.34	13411.229	ug/L	0.000
|	Al	27	100.0000	2.00	202157.069	ug/L	6007.985
L>	Sc	45			931847.387	ug/L	947524.233
⌈	V	51	100.0000	1.00	301227.382	ug/L	1464.633
|	Cr	52	100.0000	1.13	266324.514	ug/L	4195.635
|	Mn	55	100.0000	0.88	353829.596	ug/L	514.015
|	Fe	57	5000.0000	1.57	385865.065	ug/L	8614.374
|	Co	59	100.0000	1.18	346615.120	ug/L	42.667
|	Ni	60	100.0000	1.99	78224.337	ug/L	39.094
|	Cu	65	100.0000	1.34	92081.784	ug/L	282.154
|>	Ge	72			379250.495	ug/L	370717.369
|	Zn	68	100.0000	3.49	30527.905	ug/L	231.336
|	As	75	100.0000	3.07	59005.154	ug/L	-329.434
L	Se	82	100.0000	1.91	5103.667	ug/L	31.183
⌈	Mo	97	100.0000	0.09	73982.543	ug/L	42.667
|	Ag	107	100.0000	1.39	322782.714	ug/L	70.667
|>	In	115			339495.453	ug/L	344410.663
|	Cd	111	100.0000	1.57	65081.240	ug/L	3.257
|	Sn	117	100.0000	1.11	52763.399	ug/L	40.667
|	Sb	121	100.0000	2.54	193843.090	ug/L	50.000
L	Ba	135	100.0000	0.90	47838.021	ug/L	37.293
⌈>	Ho	165			223186.188	ug/L	228131.191
|	Tl	205	100.0000	0.90	274544.036	ug/L	17.333
|	Pb	208	100.0000	2.06	238229.295	ug/L	50.000
L	U	238	100.0000	1.66	1067337.153	ug/L	66.667
⌈>	Sc-1	45			931847.387	ug/L	947524.233
|	Cr	50	100.0000	1.75	12865.183	ug/L	73.599

L	Cr	53	100.0000	1.16	31534.601	ug/L	1108.068
Γ	Ni	61	100.0000	15.52	9364.832	ug/L	5998.646
I	Cu	63	100.0000	1.64	183930.582	ug/L	570.685
L>	Ge	74			536161.007	ug/L	528771.695
Γ	Ag	109	100.0000	0.54	298050.847	ug/L	61.334
L>	In-1	115			339495.453	ug/L	344410.663
Γ	Pb	206	100.0000	11.46	476.679	ug/L	0.000
I	Pb	207	100.0000	0.68	69741.841	ug/L	10.000
L>	Ho-1	165			223186.188	ug/L	228131.191
Γ	Se	78	100.0000	1.41	16355.766	ug/L	3830.540
I>	Ge-1	72			379250.495	ug/L	370717.369
I	Br	79			955.384	ug/L	1106.067
I	Kr	83			41.254	ug/L	32.252
L	Se	76	100.0000	182.37	144224.076	ug/L	139224.413

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
Be	9				
Al	27				
Sc	45				
V	51				
Cr	52				
Mn	55				
Fe	57				
Co	59				
Ni	60				
Cu	65				
Ge	72				
Zn	68				
As	75				
Se	82				
Mo	97				
Ag	107				
In	115				
Cd	111				
Sn	117				
Sb	121				
Ba	135				
Ho	165				
Tl	205				
Pb	208				
U	238				
Sc-1	45				
Cr	50				
Cr	53				
Ni	61				
Cu	63				
Ge	74				
Ag	109				
In-1	115				
Pb	206				
Pb	207				
Ho-1	165				
Se	78				
Ge-1	72				
Br	79				
Kr	83				
Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 22:42:58
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.175
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	48.8279	1.17	6899.951	ug/L	0.000
|	Al	27	48.8616	2.10	107274.616	ug/L	6007.985
⌊>	Sc	45			982059.520	ug/L	947524.233
⌈	V	51	49.5416	0.75	154909.107	ug/L	1464.633
|	Cr	52	49.9780	0.34	139686.374	ug/L	4195.635
|	Mn	55	49.7986	1.14	182248.327	ug/L	514.015
|	Fe	57	2534.0557	1.01	206475.051	ug/L	8614.374
|	Co	59	50.2903	0.59	180058.405	ug/L	42.667
|	Ni	60	50.0964	0.74	40496.554	ug/L	39.094
|	Cu	65	50.1181	1.20	47804.316	ug/L	282.154
|>	Ge	72			391668.791	ug/L	370717.369
|	Zn	68	50.7897	2.04	16128.296	ug/L	231.336
|	As	75	50.8929	3.89	30844.678	ug/L	-329.434
⌊	Se	82	52.9528	1.81	2806.761	ug/L	31.183
⌈	Mo	97	49.2143	1.72	37789.067	ug/L	42.667
|	Ag	107	49.6118	1.26	166156.143	ug/L	70.667
|>	In	115			352139.035	ug/L	344410.663
|	Cd	111	49.5983	1.74	33491.836	ug/L	3.257
|	Sn	117	49.7232	0.91	27232.733	ug/L	40.667
|	Sb	121	49.2313	1.70	99000.906	ug/L	50.000
⌊	Ba	135	49.6811	1.04	24673.347	ug/L	37.293
⌈>	Ho	165			231858.138	ug/L	228131.191
|	Tl	205	48.7171	0.71	138968.143	ug/L	17.333
|	Pb	208	49.0500	0.74	121439.770	ug/L	50.000
⌊	U	238	49.3019	2.15	546788.974	ug/L	66.667
⌈>	Sc-1	45			982059.520	ug/L	947524.233
|	Cr	50	47.4519	1.60	6473.043	ug/L	73.599

L	Cr	53	49.6326	1.79	17072.683	ug/L	1108.068
Γ	Ni	61	57.7194	21.06	8250.412	ug/L	5998.646
I	Cu	63	50.4082	1.24	96241.542	ug/L	570.685
L>	Ge	74			554859.954	ug/L	528771.695
Γ	Ag	109	50.2069	0.96	155253.226	ug/L	61.334
L>	In-1	115			352139.035	ug/L	344410.663
Γ	Pb	206	47.6475	7.59	236.003	ug/L	0.000
I	Pb	207	49.8801	0.44	36146.386	ug/L	10.000
L>	Ho-1	165			231858.138	ug/L	228131.191
Γ	Se	78	50.3619	2.20	10517.185	ug/L	3830.540
I>	Ge-1	72			391668.791	ug/L	370717.369
I	Br	79			918.713	ug/L	1106.067
I	Kr	83			30.593	ug/L	32.252
L	Se	76	6.4413	2132.28	147213.693	ug/L	139224.413

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
Be	9	97.656			
Al	27	97.723			
Sc	45		103.645		
V	51	99.083			
Cr	52	99.956			
Mn	55	99.597			
Fe	57	101.362			
Co	59	100.581			
Ni	60	100.193			
Cu	65	100.236			
Ge	72		105.652		
Zn	68	101.579			
As	75	101.786			
Se	82	105.906			
Mo	97	98.429			
Ag	107	99.224			
In	115		102.244		
Cd	111	99.197			
Sn	117	99.446			
Sb	121	98.463			
Ba	135	99.362			
Ho	165		101.634		
Tl	205	97.434			
Pb	208	98.100			
U	238	98.604			
Sc-1	45				
Cr	50				
Cr	53				
Ni	61				
Cu	63				
Ge	74				
Ag	109				
In-1	115				
Pb	206				
Pb	207				
Ho-1	165				
Se	78				
Ge-1	72				
Br	79				
Kr	83				
Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 22:47:17
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.176
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0323	65.79	4.667	ug/L	0.000
|	Al	27	-0.0613	18.20	6230.801	ug/L	6007.985
L>	Sc	45			1003085.206	ug/L	947524.233
⌈	V	51	-0.1616	32.32	1070.429	ug/L	1464.633
|	Cr	52	-0.0808	44.79	4303.685	ug/L	4195.635
|	Mn	55	0.0156	84.95	613.354	ug/L	514.015
|	Fe	57	-2.0554	63.64	9132.116	ug/L	8614.374
|	Co	59	-0.0046	29.39	29.333	ug/L	42.667
|	Ni	60	0.0082	186.93	49.009	ug/L	39.094
|	Cu	65	-0.0864	12.65	220.948	ug/L	282.154
|>	Ge	72			400076.807	ug/L	370717.369
|	Zn	68	-0.0595	111.65	230.670	ug/L	231.336
|	As	75	0.0426	145.20	-328.516	ug/L	-329.434
L	Se	82	0.1202	137.81	40.127	ug/L	31.183
⌈	Mo	97	0.0239	117.50	63.334	ug/L	42.667
|	Ag	107	0.0027	122.72	83.334	ug/L	70.667
|>	In	115			360764.860	ug/L	344410.663
|	Cd	111	-0.0003	638.11	3.219	ug/L	3.257
|	Sn	117	0.0811	39.87	88.000	ug/L	40.667
|	Sb	121	0.0309	11.43	116.001	ug/L	50.000
L	Ba	135	0.0124	186.39	45.288	ug/L	37.293
⌈>	Ho	165			237608.572	ug/L	228131.191
|	Tl	205	-0.0002	693.84	17.333	ug/L	17.333
|	Pb	208	-0.0029	60.83	44.667	ug/L	50.000
L	U	238	0.0042	24.20	116.667	ug/L	66.667
⌈>	Sc-1	45			1003085.206	ug/L	947524.233
|	Cr	50	-0.3471	51.26	30.195	ug/L	73.599

L	Cr	53	-0.9638	13.73	857.374	ug/L	1108.068
Γ	Ni	61	1.9173	896.74	6514.341	ug/L	5998.646
|	Cu	63	-0.0878	2.82	443.344	ug/L	570.685
L>	Ge	74			569135.703	ug/L	528771.695
Γ	Ag	109	0.0086	59.02	91.334	ug/L	61.334
L>	In-1	115			360764.860	ug/L	344410.663
Γ	Pb	206	0.3944	99.62	2.000	ug/L	0.000
|	Pb	207	0.0058	144.91	14.667	ug/L	10.000
L>	Ho-1	165			237608.572	ug/L	228131.191
Γ	Se	78	-0.5988	124.84	4054.633	ug/L	3830.540
|>	Ge-1	72			400076.807	ug/L	370717.369
|	Br	79			735.363	ug/L	1106.067
|	Kr	83			32.815	ug/L	32.252
L	Se	76	-89.7120	196.28	148531.996	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		105.864		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		107.920		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		104.748		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		104.154		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 23:09:37
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.182
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	49.0754	1.98	6821.226	ug/L	0.000
|	Al	27	48.1932	1.73	104160.774	ug/L	6007.985
L>	Sc	45			965837.033	ug/L	947524.233
⌈	V	51	50.1302	3.19	152566.638	ug/L	1464.633
|	Cr	52	50.1709	2.08	136494.612	ug/L	4195.635
|	Mn	55	50.2049	2.25	178851.887	ug/L	514.015
|	Fe	57	2526.3895	3.43	200386.753	ug/L	8614.374
|	Co	59	50.0611	2.43	174491.907	ug/L	42.667
|	Ni	60	50.3219	2.77	39603.260	ug/L	39.094
|	Cu	65	50.4538	2.32	46845.218	ug/L	282.154
|>	Ge	72			381305.179	ug/L	370717.369
|	Zn	68	48.9437	3.17	15140.605	ug/L	231.336
|	As	75	49.8099	3.58	29381.145	ug/L	-329.434
L	Se	82	50.2479	5.72	2593.800	ug/L	31.183
⌈	Mo	97	48.8767	2.27	36801.016	ug/L	42.667
|	Ag	107	49.2134	1.83	161633.716	ug/L	70.667
|>	In	115			345342.498	ug/L	344410.663
|	Cd	111	49.9078	2.49	33043.958	ug/L	3.257
|	Sn	117	50.1442	2.46	26929.838	ug/L	40.667
|	Sb	121	49.7115	2.42	98028.463	ug/L	50.000
L	Ba	135	49.8620	1.89	24282.928	ug/L	37.293
⌈>	Ho	165			228425.892	ug/L	228131.191
|	Tl	205	48.7300	1.02	136934.953	ug/L	17.333
|	Pb	208	48.9871	2.32	119474.830	ug/L	50.000
L	U	238	48.9655	1.38	535022.822	ug/L	66.667
⌈>	Sc-1	45			965837.033	ug/L	947524.233
|	Cr	50	48.4588	3.36	6499.743	ug/L	73.599

L	Cr	53	49.6638	3.32	16803.526	ug/L	1108.068
⌈	Ni	61	58.8949	13.76	8124.297	ug/L	5998.646
|	Cu	63	49.6937	2.12	92959.067	ug/L	570.685
L>	Ge	74			543544.904	ug/L	528771.695
⌈	Ag	109	49.6141	2.37	150446.227	ug/L	61.334
L>	In-1	115			345342.498	ug/L	344410.663
⌈	Pb	206	48.6025	11.99	237.336	ug/L	0.000
|	Pb	207	48.8188	3.04	34845.337	ug/L	10.000
L>	Ho-1	165			228425.892	ug/L	228131.191
⌈	Se	78	50.0403	1.37	10197.444	ug/L	3830.540
|>	Ge-1	72			381305.179	ug/L	370717.369
|	Br	79			1009.389	ug/L	1106.067
|	Kr	83			35.933	ug/L	32.252
L	Se	76	-39.3726	439.46	142477.624	ug/L	139224.413

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
Be	9	98.151			
Al	27	96.386			
Sc	45		101.933		
V	51	100.260			
Cr	52	100.342			
Mn	55	100.410			
Fe	57	101.056			
Co	59	100.122			
Ni	60	100.644			
Cu	65	100.908			
Ge	72		102.856		
Zn	68	97.887			
As	75	99.620			
Se	82	100.496			
Mo	97	97.753			
Ag	107	98.427			
In	115		100.271		
Cd	111	99.816			
Sn	117	100.288			
Sb	121	99.423			
Ba	135	99.724			
Ho	165		100.129		
Tl	205	97.460			
Pb	208	97.974			
U	238	97.931			
Sc-1	45				
Cr	50				
Cr	53				
Ni	61				
Cu	63				
Ge	74				
Ag	109				
In-1	115				
Pb	206				
Pb	207				
Ho-1	165				
Se	78				
Ge-1	72				
Br	79				
Kr	83				
Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 23:13:20
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.183
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	0.0096	173.21	1.333	ug/L	0.000
	Al	27	0.1070	207.12	6413.600	ug/L	6007.985
>	Sc	45			977423.203	ug/L	947524.233
	V	51	-0.1055	100.99	1226.769	ug/L	1464.633
	Cr	52	0.0422	82.04	4578.486	ug/L	4195.635
	Mn	55	0.0194	26.65	618.021	ug/L	514.015
	Fe	57	0.1704	1772.16	9177.151	ug/L	8614.374
	Co	59	0.0013	372.40	50.000	ug/L	42.667
	Ni	60	0.0189	50.34	57.028	ug/L	39.094
	Cu	65	-0.0607	40.30	242.222	ug/L	282.154
>	Ge	72			394453.923	ug/L	370717.369
	Zn	68	-0.0263	269.25	238.003	ug/L	231.336
	As	75	0.1890	36.48	-234.274	ug/L	-329.434
	Se	82	0.3367	97.81	50.804	ug/L	31.183
	Mo	97	0.0330	26.54	68.000	ug/L	42.667
	Ag	107	0.0057	82.67	90.000	ug/L	70.667
>	In	115			346997.401	ug/L	344410.663
	Cd	111	0.0069	77.09	7.878	ug/L	3.257
	Sn	117	0.0700	3.35	78.667	ug/L	40.667
	Sb	121	0.0314	9.71	112.667	ug/L	50.000
	Ba	135	-0.0101	51.43	32.632	ug/L	37.293
>	Ho	165			229943.899	ug/L	228131.191
	Tl	205	0.0007	378.90	19.333	ug/L	17.333
	Pb	208	0.0020	198.63	55.334	ug/L	50.000
	U	238	0.0040	47.55	111.334	ug/L	66.667
>	Sc-1	45			977423.203	ug/L	947524.233
	Cr	50	-0.1543	105.37	55.007	ug/L	73.599

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L	Cr	53	-0.5987	36.18	951.383	ug/L	1108.068
⌈	Ni	61	3.4170	105.13	6386.243	ug/L	5998.646
|	Cu	63	-0.0382	91.07	524.015	ug/L	570.685
L>	Ge	74			552774.395	ug/L	528771.695
⌈	Ag	109	0.0033	164.98	72.000	ug/L	61.334
L>	In-1	115			346997.401	ug/L	344410.663
⌈	Pb	206	0.0000		0.000	ug/L	0.000
|	Pb	207	-0.0010	422.95	9.333	ug/L	10.000
L>	Ho-1	165			229943.899	ug/L	228131.191
⌈	Se	78	-0.9145	77.54	3956.659	ug/L	3830.540
|>	Ge-1	72			394453.923	ug/L	370717.369
|	Br	79			731.363	ug/L	1106.067
|	Kr	83			23.744	ug/L	32.252
L	Se	76	-173.5819	126.67	144896.295	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		103.155		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		106.403		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		100.751		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		100.795		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSA

Sample Description: ICSA
Batch ID:
Sample Date/Time: Monday, July 16, 2007 23:19:19
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.184
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0193	98.52	2.000	ug/L	0.000
|	Al	27	103954.7503	7.92	160485934.807	ug/L	6007.985
|>	Sc	45			734889.413	ug/L	947524.233
⌈	V	51	0.3315	71.80	2201.861	ug/L	1464.633
|	Cr	52	4.1021	7.03	13231.624	ug/L	4195.635
|	Mn	55	1.2862	7.28	4457.760	ug/L	514.015
|	Fe	57	90640.2705	6.96	6016415.986	ug/L	8614.374
|	Co	59	0.4611	0.73	1446.115	ug/L	42.667
|	Ni	60	10.4023	6.62	7185.933	ug/L	39.094
|	Cu	65	2.4545	1.44	2237.943	ug/L	282.154
|>	Ge	72			334084.891	ug/L	370717.369
|	Zn	68	14.2729	2.88	4013.553	ug/L	231.336
|	As	75	0.1115	312.64	-241.206	ug/L	-329.434
⌊	Se	82	1.8070	34.64	109.695	ug/L	31.183
⌈	Mo	97	2038.2987	6.33	1208496.452	ug/L	42.667
|	Ag	107	-0.0017	236.67	52.000	ug/L	70.667
|>	In	115			272863.685	ug/L	344410.663
|	Cd	111	5.3685	9.69	2801.402	ug/L	3.257
|	Sn	117	0.1458	7.80	94.000	ug/L	40.667
|	Sb	121	0.1797	20.39	317.339	ug/L	50.000
⌊	Ba	135	-0.0080	227.13	26.204	ug/L	37.293
⌈>	Ho	165			178670.643	ug/L	228131.191
|	Tl	205	-0.0010	275.76	11.333	ug/L	17.333
|	Pb	208	0.0952	14.67	220.669	ug/L	50.000
⌊	U	238	0.0062	22.16	104.667	ug/L	66.667
⌈>	Sc-1	45			734889.413	ug/L	947524.233
|	Cr	50	-503.0588	7.41	-50689.270	ug/L	73.599

L	Cr	53	41.7969	5.59	10881.847	ug/L	1108.068
⌈	Ni	61	66.7213	19.66	6587.058	ug/L	5998.646
⌊	Cu	63	2.9833	5.23	4812.607	ug/L	570.685
L>	Ge	74			426912.134	ug/L	528771.695
⌈	Ag	109	0.0112	24.03	75.334	ug/L	61.334
L>	In-1	115			272863.685	ug/L	344410.663
⌈	Pb	206	0.3471	86.87	1.333	ug/L	0.000
⌊	Pb	207	0.1359	15.34	84.000	ug/L	10.000
L>	Ho-1	165			178670.643	ug/L	228131.191
⌈	Se	78	-2.8494	59.21	3134.193	ug/L	3830.540
⌊>	Ge-1	72			334084.891	ug/L	370717.369
⌊	Br	79			1952.210	ug/L	1106.067
⌊	Kr	83			357.936	ug/L	32.252
L	Se	76	-860.3833	35.43	111793.182	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		77.559		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		90.118		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		79.226		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		78.319		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSAB

Sample Description: ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 23:23:08
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.185
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 7
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	104.5660	0.33	11385.794	ug/L	0.000
|	Al	27	103426.3790	4.37	164747048.261	ug/L	6007.985
⌊>	Sc	45			756620.211	ug/L	947524.233
⌈	V	51	91.9467	3.39	249616.530	ug/L	1464.633
|	Cr	52	92.0803	3.84	221210.754	ug/L	4195.635
|	Mn	55	87.0755	1.73	277666.125	ug/L	514.015
|	Fe	57	92353.2940	4.01	6280884.343	ug/L	8614.374
|	Co	59	85.1777	2.43	266020.060	ug/L	42.667
|	Ni	60	92.2852	2.68	65047.868	ug/L	39.094
|	Cu	65	82.0112	5.21	68043.159	ug/L	282.154
|>	Ge	72			341807.086	ug/L	370717.369
|	Zn	68	96.3761	4.68	26500.584	ug/L	231.336
|	As	75	92.4440	4.41	49117.274	ug/L	-329.434
⌊	Se	82	95.3292	5.57	4382.735	ug/L	31.183
⌈	Mo	97	2091.2610	3.49	1262091.128	ug/L	42.667
|	Ag	107	86.8127	4.62	228698.798	ug/L	70.667
|>	In	115			277326.372	ug/L	344410.663
|	Cd	111	99.1633	5.08	52663.751	ug/L	3.257
|	Sn	117	97.4653	2.88	41978.704	ug/L	40.667
|	Sb	121	101.5636	6.45	160603.014	ug/L	50.000
⌊	Ba	135	101.8054	5.21	39740.189	ug/L	37.293
⌈>	Ho	165			179658.406	ug/L	228131.191
|	Tl	205	101.1614	2.17	223524.780	ug/L	17.333
|	Pb	208	102.1004	2.80	195751.128	ug/L	50.000
⌊	U	238	106.7130	3.68	916518.180	ug/L	66.667
⌈>	Sc-1	45			756620.211	ug/L	947524.233
|	Cr	50	-400.3048	5.41	-41497.461	ug/L	73.599

L	Cr	53	138.9940	3.76	35235.507	ug/L	1108.068
⌈	Ni	61	168.8363	13.37	9477.605	ug/L	5998.646
|	Cu	63	91.7084	5.32	137644.286	ug/L	570.685
L>	Ge	74			438270.639	ug/L	528771.695
⌈	Ag	109	87.6449	4.67	213174.081	ug/L	61.334
L>	In-1	115			277326.372	ug/L	344410.663
⌈	Pb	206	97.6676	4.35	374.674	ug/L	0.000
|	Pb	207	101.0782	2.10	56735.849	ug/L	10.000
L>	Ho-1	165			179658.406	ug/L	228131.191
⌈	Se	78	92.8377	2.88	13934.214	ug/L	3830.540
|>	Ge-1	72			341807.086	ug/L	370717.369
|	Br	79			1697.492	ug/L	1106.067
|	Kr	83			345.357	ug/L	32.252
L	Se	76	-607.8208	75.22	118497.210	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		79.852		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		92.202		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		80.522		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		78.752		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RINSE

Sample Description: Rinse Blank following ICSAB
Batch ID:
Sample Date/Time: Monday, July 16, 2007 23:26:55
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RINSE.186
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0144	98.46	2.000	ug/L	0.000
|	Al	27	0.8523	73.39	7868.110	ug/L	6007.985
|>	Sc	45			970099.996	ug/L	947524.233
⌈	V	51	-0.0112	1494.12	1490.560	ug/L	1464.633
|	Cr	52	0.0512	133.86	4522.458	ug/L	4195.635
|	Mn	55	0.0162	18.78	596.020	ug/L	514.015
|	Fe	57	8.5143	46.90	9661.162	ug/L	8614.374
|	Co	59	-0.0047	22.75	28.000	ug/L	42.667
|	Ni	60	0.0024	619.51	42.999	ug/L	39.094
|	Cu	65	-0.0888	17.53	211.514	ug/L	282.154
|>	Ge	72			387728.680	ug/L	370717.369
|	Zn	68	-0.0965	12.92	212.002	ug/L	231.336
|	As	75	-0.0437	333.05	-370.462	ug/L	-329.434
⌊	Se	82	-0.0070	856.67	32.295	ug/L	31.183
⌈	Mo	97	1.0076	14.21	792.702	ug/L	42.667
|	Ag	107	0.0015	194.36	75.334	ug/L	70.667
|>	In	115			342669.672	ug/L	344410.663
|	Cd	111	0.0061	58.74	7.240	ug/L	3.257
|	Sn	117	0.0430	26.34	63.334	ug/L	40.667
|	Sb	121	0.0189	28.02	86.667	ug/L	50.000
⌊	Ba	135	-0.0190	76.62	27.967	ug/L	37.293
⌈>	Ho	165			227860.052	ug/L	228131.191
|	Tl	205	0.0000	14882.17	17.333	ug/L	17.333
|	Pb	208	-0.0024	91.51	44.000	ug/L	50.000
⌊	U	238	0.0133	28.92	211.336	ug/L	66.667
⌈>	Sc-1	45			970099.996	ug/L	947524.233
|	Cr	50	-0.6263	75.62	-9.093	ug/L	73.599

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L	Cr	53	-0.3120	59.02	1034.726	ug/L	1108.068
⌈	Ni	61	-16.0572	26.16	5679.774	ug/L	5998.646
|	Cu	63	0.0355	270.70	659.359	ug/L	570.685
L>	Ge	74			548406.400	ug/L	528771.695
⌈	Ag	109	0.0012	129.65	64.667	ug/L	61.334
L>	In-1	115			342669.672	ug/L	344410.663
⌈	Pb	206	0.0000		0.000	ug/L	0.000
|	Pb	207	0.0104	43.39	17.333	ug/L	10.000
L>	Ho-1	165			227860.052	ug/L	228131.191
⌈	Se	78	1.0021	131.71	4132.719	ug/L	3830.540
|>	Ge-1	72			387728.680	ug/L	370717.369
|	Br	79			669.358	ug/L	1106.067
|	Kr	83			26.519	ug/L	32.252
L	Se	76	-83.7150	123.14	144060.939	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		102.383		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		104.589		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		99.495		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		99.881		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 23:30:38
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.187
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	48.4813	0.90	6837.239	ug/L	0.000
|	Al	27	50.7402	1.66	110898.403	ug/L	6007.985
⌊>	Sc	45			979838.708	ug/L	947524.233
⌈	V	51	51.2583	2.22	162277.525	ug/L	1464.633
|	Cr	52	51.6063	2.43	145938.748	ug/L	4195.635
|	Mn	55	51.2036	1.44	189792.749	ug/L	514.015
|	Fe	57	2596.5028	1.80	214059.312	ug/L	8614.374
|	Co	59	51.1286	1.40	185429.412	ug/L	42.667
|	Ni	60	51.5543	2.43	42206.097	ug/L	39.094
|	Cu	65	51.7439	0.50	49990.769	ug/L	282.154
|>	Ge	72			396799.726	ug/L	370717.369
|	Zn	68	51.0335	1.37	16416.143	ug/L	231.336
|	As	75	51.8494	2.16	31852.535	ug/L	-329.434
⌊	Se	82	51.6059	6.72	2773.540	ug/L	31.183
⌈	Mo	97	51.8947	0.81	39093.915	ug/L	42.667
|	Ag	107	51.9718	1.91	170739.953	ug/L	70.667
|>	In	115			345555.480	ug/L	344410.663
|	Cd	111	52.2352	1.98	34596.278	ug/L	3.257
|	Sn	117	51.8331	1.87	27844.582	ug/L	40.667
|	Sb	121	52.7115	2.88	103956.357	ug/L	50.000
⌊	Ba	135	53.0922	3.84	25851.264	ug/L	37.293
⌈>	Ho	165			228809.439	ug/L	228131.191
|	Tl	205	50.4225	1.15	141915.244	ug/L	17.333
|	Pb	208	50.8649	1.65	124241.929	ug/L	50.000
⌊	U	238	50.9686	2.72	557630.384	ug/L	66.667
⌈>	Sc-1	45			979838.708	ug/L	947524.233
|	Cr	50	50.1549	0.27	6821.943	ug/L	73.599

L	Cr	53	51.8186	2.54	17729.940	ug/L	1108.068
⌈	Ni	61	56.3821	22.29	8293.796	ug/L	5998.646
|	Cu	63	51.8182	1.94	99849.562	ug/L	570.685
L>	Ge	74			560236.617	ug/L	528771.695
⌈	Ag	109	52.2389	1.71	158461.321	ug/L	61.334
L>	In-1	115			345555.480	ug/L	344410.663
⌈	Pb	206	49.6465	7.41	242.670	ug/L	0.000
|	Pb	207	50.7622	2.37	36288.284	ug/L	10.000
L>	Ho-1	165			228809.439	ug/L	228131.191
⌈	Se	78	52.6495	1.60	10952.990	ug/L	3830.540
|>	Ge-1	72			396799.726	ug/L	370717.369
|	Br	79			609.354	ug/L	1106.067
|	Kr	83			37.201	ug/L	32.252
L	Se	76	93.9950	334.26	150846.899	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9	96.963			
	Al	27	101.480			
>	Sc	45		103.410		
	V	51	102.517			
	Cr	52	103.213			
	Mn	55	102.407			
	Fe	57	103.860			
	Co	59	102.257			
	Ni	60	103.109			
	Cu	65	103.488			
>	Ge	72		107.036		
	Zn	68	102.067			
	As	75	103.699			
	Se	82	103.212			
	Mo	97	103.789			
	Ag	107	103.944			
>	In	115		100.332		
	Cd	111	104.470			
	Sn	117	103.666			
	Sb	121	105.423			
	Ba	135	106.184			
>	Ho	165		100.297		
	Tl	205	100.845			
	Pb	208	101.730			
	U	238	101.937			
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Monday, July 16, 2007 23:34:20
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.188
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0315	97.03	4.667	ug/L	0.000
|	Al	27	-0.2551	30.92	5894.578	ug/L	6007.985
⌊>	Sc	45			1016272.141	ug/L	947524.233
⌈	V	51	-0.0758	122.14	1348.820	ug/L	1464.633
|	Cr	52	0.0492	118.93	4705.218	ug/L	4195.635
|	Mn	55	0.0208	84.87	637.356	ug/L	514.015
|	Fe	57	9.1292	35.00	10113.079	ug/L	8614.374
|	Co	59	-0.0021	222.57	38.667	ug/L	42.667
|	Ni	60	-0.0064	195.54	37.551	ug/L	39.094
|	Cu	65	-0.1262	12.48	183.685	ug/L	282.154
|>	Ge	72			403903.002	ug/L	370717.369
|	Zn	68	-0.0958	55.86	220.669	ug/L	231.336
|	As	75	-0.0719	206.73	-406.766	ug/L	-329.434
⌊	Se	82	0.3628	61.87	53.259	ug/L	31.183
⌈	Mo	97	0.0937	9.83	116.001	ug/L	42.667
|	Ag	107	0.0027	169.33	82.000	ug/L	70.667
|>	In	115			353844.802	ug/L	344410.663
|	Cd	111	0.0056	33.47	7.125	ug/L	3.257
|	Sn	117	0.0693	28.27	80.000	ug/L	40.667
|	Sb	121	0.0331	15.62	118.001	ug/L	50.000
⌊	Ba	135	-0.0073	125.77	34.615	ug/L	37.293
⌈>	Ho	165			235174.596	ug/L	228131.191
|	Tl	205	0.0012	135.82	21.333	ug/L	17.333
|	Pb	208	0.0007	389.33	53.333	ug/L	50.000
⌊	U	238	0.0052	36.56	128.001	ug/L	66.667
⌈>	Sc-1	45			1016272.141	ug/L	947524.233
|	Cr	50	-0.1459	337.26	57.651	ug/L	73.599

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L	Cr	53	-0.9139	13.67	884.043	ug/L	1108.068
Γ	Ni	61	-5.3477	110.01	6290.179	ug/L	5998.646
|	Cu	63	-0.0847	27.10	450.011	ug/L	570.685
L>	Ge	74			570697.397	ug/L	528771.695
Γ	Ag	109	0.0016	63.64	68.000	ug/L	61.334
L>	In-1	115			353844.802	ug/L	344410.663
Γ	Pb	206	0.2742	173.21	1.333	ug/L	0.000
|	Pb	207	0.0022	360.59	12.000	ug/L	10.000
L>	Ho-1	165			235174.596	ug/L	228131.191
Γ	Se	78	0.4452	396.37	4226.065	ug/L	3830.540
|>	Ge-1	72			403903.002	ug/L	370717.369
|	Br	79			552.683	ug/L	1106.067
|	Kr	83			30.429	ug/L	32.252
L	Se	76	-110.3779	218.84	149510.589	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		107.256		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		108.952		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		102.739		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		103.087		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 01:04:21
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.212
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	51.2186	3.60	6809.216	ug/L	0.000
|	Al	27	50.1723	5.56	103459.143	ug/L	6007.985
⌊>	Sc	45			924352.025	ug/L	947524.233
⌈	V	51	51.4193	1.23	146355.578	ug/L	1464.633
|	Cr	52	51.6108	2.47	131194.551	ug/L	4195.635
|	Mn	55	50.8988	1.93	169591.437	ug/L	514.015
|	Fe	57	2580.2279	1.67	191263.284	ug/L	8614.374
|	Co	59	50.7603	2.57	165455.416	ug/L	42.667
|	Ni	60	50.1048	3.08	36870.628	ug/L	39.094
|	Cu	65	51.1990	2.43	44455.506	ug/L	282.154
|>	Ge	72			356723.290	ug/L	370717.369
|	Zn	68	49.7060	2.60	14376.025	ug/L	231.336
|	As	75	49.7667	4.00	27450.969	ug/L	-329.434
⌊	Se	82	49.3361	3.78	2382.245	ug/L	31.183
⌈	Mo	97	49.9149	1.84	35005.950	ug/L	42.667
|	Ag	107	49.9985	3.31	152897.059	ug/L	70.667
|>	In	115			321783.635	ug/L	344410.663
|	Cd	111	50.4930	3.97	31124.395	ug/L	3.257
|	Sn	117	49.9919	2.68	25003.006	ug/L	40.667
|	Sb	121	50.2963	2.15	92387.931	ug/L	50.000
⌊	Ba	135	50.2847	4.52	22797.099	ug/L	37.293
⌈>	Ho	165			213668.641	ug/L	228131.191
|	Tl	205	48.8866	4.72	128395.966	ug/L	17.333
|	Pb	208	49.2597	3.06	112323.680	ug/L	50.000
⌊	U	238	49.6424	3.61	507017.328	ug/L	66.667
⌈>	Sc-1	45			924352.025	ug/L	947524.233
|	Cr	50	48.7625	4.72	6254.070	ug/L	73.599

└	Cr	53	47.4845	5.33	15411.058	ug/L	1108.068
┌	Ni	61	81.0744	14.49	8261.091	ug/L	5998.646
│	Cu	63	50.4727	2.92	87955.445	ug/L	570.685
└>	Ge	74			506757.427	ug/L	528771.695
┌	Ag	109	50.4104	2.52	142362.166	ug/L	61.334
└>	In-1	115			321783.635	ug/L	344410.663
┌	Pb	206	49.0434	12.53	223.336	ug/L	0.000
│	Pb	207	49.9751	1.38	33367.814	ug/L	10.000
└>	Ho-1	165			213668.641	ug/L	228131.191
┌	Se	78	48.7880	3.49	9391.953	ug/L	3830.540
│>	Ge-1	72			356723.290	ug/L	370717.369
│	Br	79			550.017	ug/L	1106.067
│	Kr	83			29.877	ug/L	32.252
└	Se	76	10.0808	845.62	134163.202	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
⌈	Be	9	102.437			
|	Al	27	100.345			
⌊>	Sc	45		97.554		
⌈	V	51	102.839			
|	Cr	52	103.222			
|	Mn	55	101.798			
|	Fe	57	103.209			
|	Co	59	101.521			
|	Ni	60	100.210			
|	Cu	65	102.398			
|>	Ge	72		96.225		
|	Zn	68	99.412			
|	As	75	99.533			
⌊	Se	82	98.672			
⌈	Mo	97	99.830			
|	Ag	107	99.997			
|>	In	115		93.430		
|	Cd	111	100.986			
|	Sn	117	99.984			
|	Sb	121	100.593			
⌊	Ba	135	100.569			
⌈>	Ho	165		93.660		
|	Tl	205	97.773			
|	Pb	208	98.519			
⌊	U	238	99.285			
⌈>	Sc-1	45				
|	Cr	50				
⌊	Cr	53				
⌈	Ni	61				
|	Cu	63				
⌊>	Ge	74				
⌈	Ag	109				
⌊>	In-1	115				
⌈	Pb	206				
|	Pb	207				
⌊>	Ho-1	165				
⌈	Se	78				
|>	Ge-1	72				
|	Br	79				
|	Kr	83				
⌊	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 01:08:03
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.213
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0050	173.21	0.667	ug/L	0.000
|	Al	27	-0.2441	53.54	5470.313	ug/L	6007.985
⌊>	Sc	45			939447.624	ug/L	947524.233
⌈	V	51	-0.0775	128.00	1211.544	ug/L	1464.633
|	Cr	52	0.0318	256.86	4196.969	ug/L	4195.635
|	Mn	55	0.0094	67.87	536.683	ug/L	514.015
|	Fe	57	-4.8583	74.23	8103.496	ug/L	8614.374
|	Co	59	-0.0021	121.58	34.667	ug/L	42.667
|	Ni	60	-0.0005	2104.85	37.975	ug/L	39.094
|	Cu	65	-0.1664	3.28	130.411	ug/L	282.154
|>	Ge	72			364011.717	ug/L	370717.369
|	Zn	68	-0.1127	96.79	194.002	ug/L	231.336
|	As	75	0.1933	109.98	-212.746	ug/L	-329.434
⌊	Se	82	0.1923	124.60	40.087	ug/L	31.183
⌈	Mo	97	0.0311	69.56	63.334	ug/L	42.667
|	Ag	107	0.0016	173.52	72.667	ug/L	70.667
|>	In	115			330695.408	ug/L	344410.663
|	Cd	111	0.0033	51.40	5.219	ug/L	3.257
|	Sn	117	0.0406	31.99	60.000	ug/L	40.667
|	Sb	121	0.0243	17.15	94.000	ug/L	50.000
⌊	Ba	135	-0.0113	107.40	30.614	ug/L	37.293
⌈>	Ho	165			222553.592	ug/L	228131.191
|	Tl	205	-0.0025	82.66	10.000	ug/L	17.333
|	Pb	208	-0.0008	436.66	46.667	ug/L	50.000
⌊	U	238	0.0040	19.52	107.334	ug/L	66.667
⌈>	Sc-1	45			939447.624	ug/L	947524.233
|	Cr	50	-0.1734	154.47	50.621	ug/L	73.599

	Cr	53	-2.1525	9.31	438.011	ug/L	1108.068
	Ni	61	7.2188	224.38	6131.406	ug/L	5998.646
	Cu	63	-0.1451	9.23	303.338	ug/L	570.685
>	Ge	74			520777.716	ug/L	528771.695
	Ag	109	0.0015	233.22	63.334	ug/L	61.334
>	In-1	115			330695.408	ug/L	344410.663
	Pb	206	0.2793	86.67	1.333	ug/L	0.000
	Pb	207	0.0118	58.98	18.000	ug/L	10.000
>	Ho-1	165			222553.592	ug/L	228131.191
	Se	78	-0.7114	48.72	3675.784	ug/L	3830.540
>	Ge-1	72			364011.717	ug/L	370717.369
	Br	79			489.347	ug/L	1106.067
	Kr	83			36.128	ug/L	32.252
	Se	76	-118.5658	163.02	134629.858	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		99.148		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		98.191		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		96.018		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		97.555		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1 Analyst: LRD

Quantitative Analysis Report

Sample ID: J15V8B

Sample Description: BLANK
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:11:49
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J15V8B.214
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 80
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0246	73.02	3.333	ug/L	0.000
|	Al	27	27.6145	5.04	61675.860	ug/L	6007.985
|>	Sc	45			957314.946	ug/L	947524.233
⌈	V	51	0.0330	30.37	1503.012	ug/L	1464.633
|	Cr	52	0.5344	15.07	5354.244	ug/L	4195.635
|	Mn	55	0.9623	3.20	3692.750	ug/L	514.015
|	Fe	57	44.6085	10.38	11449.958	ug/L	8614.374
|	Co	59	0.0180	17.29	100.001	ug/L	42.667
|	Ni	60	0.2119	18.20	193.645	ug/L	39.094
|	Cu	65	0.3570	9.83	579.748	ug/L	282.154
|>	Ge	72			356765.594	ug/L	370717.369
|	Zn	68	2.8510	7.02	1034.059	ug/L	231.336
|	As	75	0.0570	55.74	-285.306	ug/L	-329.434
⌊	Se	82	0.0587	206.23	32.762	ug/L	31.183
⌈	Mo	97	-0.0366	14.66	14.667	ug/L	42.667
|	Ag	107	-0.0177	7.37	12.000	ug/L	70.667
|>	In	115			330268.520	ug/L	344410.663
|	Cd	111	0.0045	71.42	5.974	ug/L	3.257
|	Sn	117	0.0314	71.14	55.334	ug/L	40.667
|	Sb	121	-0.0085	38.59	32.000	ug/L	50.000
⌊	Ba	135	0.2122	17.19	134.572	ug/L	37.293
⌈>	Ho	165			221563.841	ug/L	228131.191
|	Tl	205	-0.0025	84.02	10.000	ug/L	17.333
|	Pb	208	0.2150	2.26	556.684	ug/L	50.000
⌊	U	238	0.0007	293.63	71.334	ug/L	66.667
⌈>	Sc-1	45			957314.946	ug/L	947524.233
|	Cr	50	-0.6460	22.84	-11.021	ug/L	73.599

L	Cr	53	-1.9288	9.56	516.015	ug/L	1108.068
Γ	Ni	61	24.1245	69.17	6464.971	ug/L	5998.646
|	Cu	63	0.3291	9.63	1112.068	ug/L	570.685
L>	Ge	74			504822.802	ug/L	528771.695
Γ	Ag	109	-0.0159	6.01	12.667	ug/L	61.334
L>	In-1	115			330268.520	ug/L	344410.663
Γ	Pb	206	0.1416	173.21	0.667	ug/L	0.000
|	Pb	207	0.1893	4.08	140.668	ug/L	10.000
L>	Ho-1	165			221563.841	ug/L	228131.191
Γ	Se	78	-0.4746	178.10	3631.852	ug/L	3830.540
|>	Ge-1	72			356765.594	ug/L	370717.369
|	Br	79			486.013	ug/L	1106.067
|	Kr	83			18.167	ug/L	32.252
L	Se	76	-143.2136	108.17	131565.753	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		101.033		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		96.237		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		95.894		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		97.121		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J15V8C

Sample Description: LCS
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:15:35
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J15V8C.215
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 81
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	37.0530	1.53	5030.058	ug/L	0.000
|	Al	27	43.3716	1.06	92155.409	ug/L	6007.985
L>	Sc	45			943419.096	ug/L	947524.233
⌈	V	51	38.6814	2.81	109463.538	ug/L	1464.633
|	Cr	52	39.7694	2.54	101134.291	ug/L	4195.635
|	Mn	55	39.6308	1.89	130994.543	ug/L	514.015
|	Fe	57	51.6530	5.87	11844.872	ug/L	8614.374
|	Co	59	38.0435	2.11	122942.602	ug/L	42.667
|	Ni	60	38.1829	2.02	27865.053	ug/L	39.094
|	Cu	65	44.6055	2.47	38427.297	ug/L	282.154
|>	Ge	72			353486.745	ug/L	370717.369
|	Zn	68	43.3886	0.33	12468.545	ug/L	231.336
|	As	75	36.3250	2.93	19779.357	ug/L	-329.434
L	Se	82	36.0009	1.04	1731.772	ug/L	31.183
⌈	Mo	97	35.9032	2.89	25563.242	ug/L	42.667
|	Ag	107	36.3573	2.09	112873.076	ug/L	70.667
|>	In	115			326432.237	ug/L	344410.663
|	Cd	111	36.0392	1.24	22556.050	ug/L	3.257
|	Sn	117	0.0778	10.53	78.000	ug/L	40.667
|	Sb	121	35.5211	1.05	66224.344	ug/L	50.000
L	Ba	135	37.2991	1.48	17178.434	ug/L	37.293
⌈>	Ho	165			216858.826	ug/L	228131.191
|	Tl	205	36.4586	0.92	97272.993	ug/L	17.333
|	Pb	208	39.3124	2.28	91032.239	ug/L	50.000
L	U	238	36.8687	3.24	382394.450	ug/L	66.667
⌈>	Sc-1	45			943419.096	ug/L	947524.233
|	Cr	50	36.2296	1.24	4765.356	ug/L	73.599

L	Cr	53	34.6107	2.68	11770.950	ug/L	1108.068
⌈	Ni	61	64.5292	8.90	7687.249	ug/L	5998.646
|	Cu	63	44.2208	0.62	76562.410	ug/L	570.685
L>	Ge	74			502706.922	ug/L	528771.695
⌈	Ag	109	36.5300	1.70	104713.623	ug/L	61.334
L>	In-1	115			326432.237	ug/L	344410.663
⌈	Pb	206	37.4224	4.97	173.335	ug/L	0.000
|	Pb	207	39.6182	0.64	26854.273	ug/L	10.000
L>	Ho-1	165			216858.826	ug/L	228131.191
⌈	Se	78	34.2848	3.84	7627.017	ug/L	3830.540
|>	Ge-1	72			353486.745	ug/L	370717.369
|	Br	79			416.010	ug/L	1106.067
|	Kr	83			21.529	ug/L	32.252
L	Se	76	-56.2951	17.33	131815.607	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		99.567		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		95.352		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		94.780		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		95.059		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XHL

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:19:22
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XHL.216
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 82
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	2.8986	7.06	366.674	ug/L	0.000
|	Al	27	83196.5483	4.29	154113588.076	ug/L	6007.985
L>	Sc	45			879347.004	ug/L	947524.233
⌈	V	51	232.6042	2.91	678216.189	ug/L	1464.633
|	Cr	52	82.4896	3.60	213988.485	ug/L	4195.635
|	Mn	55	2171.2499	3.19	7447231.106	ug/L	514.015
|	Fe	57	106931.2328	4.31	7836262.471	ug/L	8614.374
|	Co	59	46.5008	3.56	156493.950	ug/L	42.667
|	Ni	60	37.1336	2.98	28228.408	ug/L	39.094
|	Cu	65	71.1777	2.92	63688.926	ug/L	282.154
|>	Ge	72			368157.259	ug/L	370717.369
|	Zn	68	257.1091	4.06	75808.394	ug/L	231.336
|	As	75	39.9669	2.34	22693.990	ug/L	-329.434
L	Se	82	6.3965	3.26	346.009	ug/L	31.183
⌈	Mo	97	2.0518	3.13	1314.095	ug/L	42.667
|	Ag	107	0.4675	0.34	1330.764	ug/L	70.667
|>	In	115			286187.926	ug/L	344410.663
|	Cd	111	0.8510	4.27	469.647	ug/L	3.257
|	Sn	117	1.0311	2.74	492.013	ug/L	40.667
|	Sb	121	0.1441	13.83	276.671	ug/L	50.000
L	Ba	135	680.2718	2.90	274135.688	ug/L	37.293
⌈>	Ho	165			191698.750	ug/L	228131.191
|	Tl	205	1.7139	1.37	4056.238	ug/L	17.333
|	Pb	208	157.3925	2.25	322101.124	ug/L	50.000
L	U	238	7.8814	1.62	72318.574	ug/L	66.667
⌈>	Sc-1	45			879347.004	ug/L	947524.233
|	Cr	50	139.5297	13.68	16901.012	ug/L	73.599

L	Cr	53	83.9534	2.65	25153.439	ug/L	1108.068
Γ	Ni	61	57.3484	10.96	6847.912	ug/L	5998.646
I	Cu	63	80.0923	2.67	126761.001	ug/L	570.685
L>	Ge	74			461191.984	ug/L	528771.695
Γ	Ag	109	0.2948	6.78	791.368	ug/L	61.334
L>	In-1	115			286187.926	ug/L	344410.663
Γ	Pb	206	140.6481	2.62	576.018	ug/L	0.000
I	Pb	207	154.1107	2.19	92321.259	ug/L	10.000
L>	Ho-1	165			191698.750	ug/L	228131.191
Γ	Se	78	-4.3152	34.25	3283.866	ug/L	3830.540
I>	Ge-1	72			368157.259	ug/L	370717.369
I	Br	79			4186.967	ug/L	1106.067
I	Kr	83			-4083.627	ug/L	32.252
L	Se	76	-1116.9155	30.09	118840.826	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		92.805		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		99.309		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		83.095		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		84.030		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XHR

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:23:10
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XHR.217
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 83
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	2.9782	4.81	381.341	ug/L	0.000
|	Al	27	104753.7826	3.87	196311317.900	ug/L	6007.985
⌊>	Sc	45			890205.568	ug/L	947524.233
⌈	V	51	323.4286	1.10	978018.792	ug/L	1464.633
|	Cr	52	94.3123	2.41	253253.871	ug/L	4195.635
|	Mn	55	1590.8739	2.51	5661796.833	ug/L	514.015
|	Fe	57	139696.8033	2.45	10619709.248	ug/L	8614.374
|	Co	59	30.5865	2.11	106824.039	ug/L	42.667
|	Ni	60	37.2928	3.98	29408.419	ug/L	39.094
|	Cu	65	83.5482	2.34	77527.004	ug/L	282.154
|>	Ge	72			382023.310	ug/L	370717.369
|	Zn	68	331.9137	4.55	101474.404	ug/L	231.336
|	As	75	49.5378	3.34	29271.963	ug/L	-329.434
⌊	Se	82	6.8805	5.71	383.594	ug/L	31.183
⌈	Mo	97	2.5133	7.91	1572.136	ug/L	42.667
|	Ag	107	0.5153	2.22	1434.113	ug/L	70.667
|>	In	115			281020.278	ug/L	344410.663
|	Cd	111	0.8970	9.88	485.850	ug/L	3.257
|	Sn	117	0.7888	11.99	377.341	ug/L	40.667
|	Sb	121	0.1114	19.37	219.336	ug/L	50.000
⌊	Ba	135	2377.0971	2.46	940563.482	ug/L	37.293
⌈>	Ho	165			189092.483	ug/L	228131.191
|	Tl	205	1.6815	1.83	3926.181	ug/L	17.333
|	Pb	208	219.8263	1.84	443663.950	ug/L	50.000
⌊	U	238	10.9525	1.97	99095.199	ug/L	66.667
⌈>	Sc-1	45			890205.568	ug/L	947524.233
|	Cr	50	149.6187	11.10	18324.554	ug/L	73.599

L	Cr	53	97.3695	3.65	29349.975	ug/L	1108.068
⌈	Ni	61	68.1533	15.19	7098.772	ug/L	5998.646
|	Cu	63	99.4490	1.95	156122.587	ug/L	570.685
L>	Ge	74			457701.710	ug/L	528771.695
⌈	Ag	109	0.2461	3.40	657.357	ug/L	61.334
L>	In-1	115			281020.278	ug/L	344410.663
⌈	Pb	206	197.7414	3.95	798.702	ug/L	0.000
|	Pb	207	215.0326	2.68	127038.359	ug/L	10.000
L>	Ho-1	165			189092.483	ug/L	228131.191
⌈	Se	78	-5.3197	14.28	3280.414	ug/L	3830.540
|>	Ge-1	72			382023.310	ug/L	370717.369
|	Br	79			3041.844	ug/L	1106.067
|	Kr	83			-6373.110	ug/L	32.252
L	Se	76	-1434.2353	11.06	117644.725	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		93.951		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		103.050		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		81.595		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		82.888		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XHT

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:26:57
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XHT.218
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 84
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	3.1013	4.95	384.008	ug/L	0.000
|	Al	27	96128.4713	4.45	174078517.822	ug/L	6007.985
⌊>	Sc	45			860306.501	ug/L	947524.233
⌈	V	51	267.3252	2.23	824429.377	ug/L	1464.633
|	Cr	52	137.7893	4.54	375149.944	ug/L	4195.635
|	Mn	55	2534.8814	0.85	9198712.349	ug/L	514.015
|	Fe	57	167624.2744	2.76	12990792.501	ug/L	8614.374
|	Co	59	48.5438	2.35	172829.573	ug/L	42.667
|	Ni	60	111.0494	2.57	89226.085	ug/L	39.094
|	Cu	65	195.5168	2.00	184583.506	ug/L	282.154
|>	Ge	72			389520.330	ug/L	370717.369
|	Zn	68	456.9816	2.74	142388.352	ug/L	231.336
|	As	75	42.6020	4.19	25614.372	ug/L	-329.434
⌊	Se	82	5.9338	2.54	341.958	ug/L	31.183
⌈	Mo	97	12.3749	2.15	7487.082	ug/L	42.667
|	Ag	107	0.6833	4.24	1852.856	ug/L	70.667
|>	In	115			276551.576	ug/L	344410.663
|	Cd	111	3.6471	4.83	1936.066	ug/L	3.257
|	Sn	117	2.0518	4.44	914.046	ug/L	40.667
|	Sb	121	0.2525	1.44	438.677	ug/L	50.000
⌊	Ba	135	1031.4084	2.09	401701.314	ug/L	37.293
⌈>	Ho	165			189756.157	ug/L	228131.191
|	Tl	205	1.8359	1.32	4299.683	ug/L	17.333
|	Pb	208	272.2001	2.46	551256.610	ug/L	50.000
⌊	U	238	9.4100	3.01	85435.665	ug/L	66.667
⌈>	Sc-1	45			860306.501	ug/L	947524.233
|	Cr	50	211.3990	24.80	24940.105	ug/L	73.599

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L	Cr	53	149.8313	2.90	43110.003	ug/L	1108.068
Γ	Ni	61	184.1778	3.69	10096.938	ug/L	5998.646
|	Cu	63	243.1400	3.25	371623.522	ug/L	570.685
L>	Ge	74			446588.291	ug/L	528771.695
Γ	Ag	109	0.5413	4.86	1363.436	ug/L	61.334
L>	In-1	115			276551.576	ug/L	344410.663
Γ	Pb	206	245.3203	5.06	994.054	ug/L	0.000
|	Pb	207	264.9338	2.42	157058.540	ug/L	10.000
L>	Ho-1	165			189756.157	ug/L	228131.191
Γ	Se	78	-5.7517	8.33	3289.717	ug/L	3830.540
|>	Ge-1	72			389520.330	ug/L	370717.369
|	Br	79			3421.978	ug/L	1106.067
|	Kr	83			-5959.078	ug/L	32.252
L	Se	76	-1617.6847	5.36	116587.261	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		90.795		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		105.072		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		80.297		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		83.179		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 01:30:42
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.219
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	47.0154	3.27	6865.927	ug/L	0.000
|	Al	27	49.1666	1.46	111522.594	ug/L	6007.985
⌊>	Sc	45			1014855.383	ug/L	947524.233
⌈	V	51	50.6298	0.30	161613.620	ug/L	1464.633
|	Cr	52	50.5297	1.24	144147.197	ug/L	4195.635
|	Mn	55	49.4234	1.26	184702.029	ug/L	514.015
|	Fe	57	2493.9885	0.88	207631.401	ug/L	8614.374
|	Co	59	49.2365	3.41	180015.802	ug/L	42.667
|	Ni	60	50.0384	2.30	41305.315	ug/L	39.094
|	Cu	65	49.7536	1.87	48461.944	ug/L	282.154
|>	Ge	72			399927.977	ug/L	370717.369
|	Zn	68	48.2195	1.26	15650.799	ug/L	231.336
|	As	75	49.3831	2.08	30547.606	ug/L	-329.434
⌊	Se	82	49.1176	4.20	2660.186	ug/L	31.183
⌈	Mo	97	48.4868	2.61	37168.500	ug/L	42.667
|	Ag	107	49.8538	2.96	166689.192	ug/L	70.667
|>	In	115			351651.639	ug/L	344410.663
|	Cd	111	48.8330	2.23	32918.833	ug/L	3.257
|	Sn	117	49.3716	2.51	26995.357	ug/L	40.667
|	Sb	121	49.4251	4.08	99216.066	ug/L	50.000
⌊	Ba	135	50.6390	3.65	25103.758	ug/L	37.293
⌈>	Ho	165			235156.837	ug/L	228131.191
|	Tl	205	49.2623	2.91	142495.031	ug/L	17.333
|	Pb	208	48.8131	2.42	122550.586	ug/L	50.000
⌊	U	238	48.7392	2.70	548134.573	ug/L	66.667
⌈>	Sc-1	45			1014855.383	ug/L	947524.233
|	Cr	50	48.8341	2.02	6881.872	ug/L	73.599

L	Cr	53	47.6675	4.70	16993.219	ug/L	1108.068
⌈	Ni	61	71.2856	36.84	8925.064	ug/L	5998.646
|	Cu	63	49.1818	2.23	96301.396	ug/L	570.685
L>	Ge	74			569135.638	ug/L	528771.695
⌈	Ag	109	49.6148	3.79	153156.510	ug/L	61.334
L>	In-1	115			351651.639	ug/L	344410.663
⌈	Pb	206	50.8821	16.28	255.337	ug/L	0.000
|	Pb	207	49.2721	1.84	36209.305	ug/L	10.000
L>	Ho-1	165			235156.837	ug/L	228131.191
⌈	Se	78	49.7831	3.47	10662.711	ug/L	3830.540
|>	Ge-1	72			399927.977	ug/L	370717.369
|	Br	79			603.353	ug/L	1106.067
|	Kr	83			26.858	ug/L	32.252
L	Se	76	-30.7015	450.89	149595.782	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9	94.031			
	Al	27	98.333			
>	Sc	45		107.106		
	V	51	101.260			
	Cr	52	101.059			
	Mn	55	98.847			
	Fe	57	99.760			
	Co	59	98.473			
	Ni	60	100.077			
	Cu	65	99.507			
>	Ge	72		107.879		
	Zn	68	96.439			
	As	75	98.766			
	Se	82	98.235			
	Mo	97	96.974			
	Ag	107	99.708			
>	In	115		102.102		
	Cd	111	97.666			
	Sn	117	98.743			
	Sb	121	98.850			
	Ba	135	101.278			
>	Ho	165		103.080		
	Tl	205	98.525			
	Pb	208	97.626			
	U	238	97.478			
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 01:34:25
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.220
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0140	100.23	2.000	ug/L	0.000
|	Al	27	-0.1946	26.54	5921.928	ug/L	6007.985
L>	Sc	45			998559.882	ug/L	947524.233
⌈	V	51	-0.0633	42.63	1355.427	ug/L	1464.633
|	Cr	52	0.1408	46.82	4827.949	ug/L	4195.635
|	Mn	55	0.0180	123.13	610.021	ug/L	514.015
|	Fe	57	19.4812	21.00	10649.575	ug/L	8614.374
|	Co	59	-0.0029	37.46	34.667	ug/L	42.667
|	Ni	60	-0.0073	68.64	35.545	ug/L	39.094
|	Cu	65	-0.1658	13.91	141.108	ug/L	282.154
|>	Ge	72			393035.200	ug/L	370717.369
|	Zn	68	-0.1514	28.40	198.002	ug/L	231.336
|	As	75	0.0126	334.36	-341.594	ug/L	-329.434
L	Se	82	0.0697	79.66	36.745	ug/L	31.183
⌈	Mo	97	0.0567	40.59	85.334	ug/L	42.667
|	Ag	107	0.0068	25.18	93.334	ug/L	70.667
|>	In	115			345802.709	ug/L	344410.663
|	Cd	111	-0.0002	1983.56	3.180	ug/L	3.257
|	Sn	117	0.0418	74.97	63.334	ug/L	40.667
|	Sb	121	0.0266	14.38	102.667	ug/L	50.000
L	Ba	135	-0.0047	471.04	35.273	ug/L	37.293
⌈>	Ho	165			230276.224	ug/L	228131.191
|	Tl	205	-0.0005	369.04	16.000	ug/L	17.333
|	Pb	208	0.0020	234.65	55.334	ug/L	50.000
L	U	238	0.0053	16.14	125.334	ug/L	66.667
⌈>	Sc-1	45			998559.882	ug/L	947524.233
|	Cr	50	-0.5666	39.18	-0.070	ug/L	73.599

L	Cr	53	-2.1616	11.45	462.679	ug/L	1108.068
⌈	Ni	61	17.8100	43.36	6845.912	ug/L	5998.646
|	Cu	63	-0.1630	12.06	287.338	ug/L	570.685
L>	Ge	74			550665.018	ug/L	528771.695
⌈	Ag	109	0.0027	131.87	70.000	ug/L	61.334
L>	In-1	115			345802.709	ug/L	344410.663
⌈	Pb	206	0.4020	173.21	2.000	ug/L	0.000
|	Pb	207	0.0073	19.86	15.333	ug/L	10.000
L>	Ho-1	165			230276.224	ug/L	228131.191
⌈	Se	78	1.4166	78.61	4244.772	ug/L	3830.540
|>	Ge-1	72			393035.200	ug/L	370717.369
|	Br	79			492.680	ug/L	1106.067
|	Kr	83			26.293	ug/L	32.252
L	Se	76	-120.0834	191.78	145305.006	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		105.386		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		106.020		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		100.404		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		100.940		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XHV

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:38:11
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XHV.221
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 85
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	3.3006	7.75	426.677	ug/L	0.000
	Al	27	78622.1369	4.17	148678721.439	ug/L	6007.985
>	Sc	45			898190.975	ug/L	947524.233
	V	51	335.0718	1.30	1019815.184	ug/L	1464.633
	Cr	52	101.7419	0.69	274665.701	ug/L	4195.635
	Mn	55	2720.9808	3.88	9747761.211	ug/L	514.015
	Fe	57	105548.2547	3.44	8079255.947	ug/L	8614.374
	Co	59	57.1226	0.69	200778.964	ug/L	42.667
	Ni	60	43.1487	0.29	34248.674	ug/L	39.094
	Cu	65	88.1419	1.66	82308.826	ug/L	282.154
>	Ge	72			384517.601	ug/L	370717.369
	Zn	68	273.6440	3.48	84249.429	ug/L	231.336
	As	75	40.1994	1.67	23847.949	ug/L	-329.434
	Se	82	7.1585	12.86	400.295	ug/L	31.183
	Mo	97	3.0231	5.98	1974.882	ug/L	42.667
	Ag	107	0.4319	3.69	1269.422	ug/L	70.667
>	In	115			294463.667	ug/L	344410.663
	Cd	111	1.0341	5.25	586.464	ug/L	3.257
	Sn	117	0.9563	2.63	472.012	ug/L	40.667
	Sb	121	0.1587	8.75	309.339	ug/L	50.000
	Ba	135	938.1352	2.51	388988.279	ug/L	37.293
>	Ho	165			205575.610	ug/L	228131.191
	Tl	205	1.6915	5.38	4290.346	ug/L	17.333
	Pb	208	254.0903	2.34	557427.677	ug/L	50.000
	U	238	9.0579	3.58	89078.375	ug/L	66.667
>	Sc-1	45			898190.975	ug/L	947524.233
	Cr	50	184.0751	23.58	22708.206	ug/L	73.599

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L	Cr	53	106.3657	2.97	32260.488	ug/L	1108.068
⌈	Ni	61	78.7939	21.08	7738.632	ug/L	5998.646
|	Cu	63	101.1039	0.90	166093.075	ug/L	570.685
L>	Ge	74			478908.628	ug/L	528771.695
⌈	Ag	109	0.3442	4.53	942.049	ug/L	61.334
L>	In-1	115			294463.667	ug/L	344410.663
⌈	Pb	206	236.3267	9.00	1036.726	ug/L	0.000
|	Pb	207	245.5904	1.26	157736.726	ug/L	10.000
L>	Ho-1	165			205575.610	ug/L	228131.191
⌈	Se	78	-2.8522	22.32	3613.577	ug/L	3830.540
|>	Ge-1	72			384517.601	ug/L	370717.369
|	Br	79			3290.597	ug/L	1106.067
|	Kr	83			-5093.667	ug/L	32.252
L	Se	76	-1068.1784	23.07	125026.072	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		94.793		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		103.723		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		85.498		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		90.113		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XHX

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:41:56
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XHX.222
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 86
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	2.7356	9.22	353.340	ug/L	0.000
|	Al	27	90603.5328	4.82	171328732.364	ug/L	6007.985
⌊>	Sc	45			898275.233	ug/L	947524.233
⌈	V	51	305.3267	3.34	931724.624	ug/L	1464.633
|	Cr	52	74.0836	2.05	201693.744	ug/L	4195.635
|	Mn	55	1771.1580	3.76	6360589.825	ug/L	514.015
|	Fe	57	133093.7731	5.08	10209451.854	ug/L	8614.374
|	Co	59	49.5481	2.07	174607.719	ug/L	42.667
|	Ni	60	36.4643	0.27	29025.464	ug/L	39.094
|	Cu	65	97.7115	2.74	91448.354	ug/L	282.154
|>	Ge	72			385531.187	ug/L	370717.369
|	Zn	68	328.2197	3.93	101286.322	ug/L	231.336
|	As	75	35.4599	2.34	21048.512	ug/L	-329.434
⌊	Se	82	5.2211	9.29	301.551	ug/L	31.183
⌈	Mo	97	2.3420	2.09	1510.792	ug/L	42.667
|	Ag	107	0.4484	4.61	1292.092	ug/L	70.667
|>	In	115			289192.348	ug/L	344410.663
|	Cd	111	0.9364	7.92	521.962	ug/L	3.257
|	Sn	117	1.8629	2.09	870.708	ug/L	40.667
|	Sb	121	0.2310	5.46	423.343	ug/L	50.000
⌊	Ba	135	517.6261	2.08	210814.088	ug/L	37.293
⌈>	Ho	165			195916.086	ug/L	228131.191
|	Tl	205	1.5176	1.71	3672.742	ug/L	17.333
|	Pb	208	217.9488	2.35	455725.805	ug/L	50.000
⌊	U	238	5.1441	2.78	48248.386	ug/L	66.667
⌈>	Sc-1	45			898275.233	ug/L	947524.233
|	Cr	50	214.0992	48.11	26322.764	ug/L	73.599

L	Cr	53	74.8903	0.56	23033.820	ug/L	1108.068
Γ	Ni	61	75.2778	16.42	7401.681	ug/L	5998.646
I	Cu	63	113.5224	3.36	180650.934	ug/L	570.685
L>	Ge	74			464260.224	ug/L	528771.695
Γ	Ag	109	0.3640	4.24	975.386	ug/L	61.334
L>	In-1	115			289192.348	ug/L	344410.663
Γ	Pb	206	204.7584	4.69	856.707	ug/L	0.000
I	Pb	207	211.1303	1.96	129234.821	ug/L	10.000
L>	Ho-1	165			195916.086	ug/L	228131.191
Γ	Se	78	-4.6536	43.54	3393.937	ug/L	3830.540
I>	Ge-1	72			385531.187	ug/L	370717.369
I	Br	79			2272.285	ug/L	1106.067
I	Kr	83			-4655.812	ug/L	32.252
L	Se	76	-1229.1655	13.60	122449.081	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		94.802		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		103.996		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		83.967		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		85.879		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH0

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:45:38
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH0.223
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 87
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	2.5868	13.36	328.006	ug/L	0.000
|	Al	27	73989.0151	3.04	137511816.929	ug/L	6007.985
|>	Sc	45			883131.018	ug/L	947524.233
⌈	V	51	200.1358	2.42	591452.199	ug/L	1464.633
|	Cr	52	56.9473	2.55	150981.465	ug/L	4195.635
|	Mn	55	2331.3286	1.79	8103800.672	ug/L	514.015
|	Fe	57	89986.4837	1.82	6683401.439	ug/L	8614.374
|	Co	59	31.5939	3.27	107721.135	ug/L	42.667
|	Ni	60	26.1004	2.66	20109.853	ug/L	39.094
|	Cu	65	45.2408	2.89	41116.556	ug/L	282.154
|>	Ge	72			373143.581	ug/L	370717.369
|	Zn	68	189.5428	5.34	56656.064	ug/L	231.336
|	As	75	23.4821	2.69	13381.032	ug/L	-329.434
⌊	Se	82	5.5200	13.30	306.793	ug/L	31.183
⌈	Mo	97	1.4021	3.71	928.047	ug/L	42.667
|	Ag	107	0.3082	4.14	915.379	ug/L	70.667
|>	In	115			292176.384	ug/L	344410.663
|	Cd	111	0.4758	4.87	269.000	ug/L	3.257
|	Sn	117	0.6987	3.38	351.340	ug/L	40.667
|	Sb	121	0.1086	9.64	223.336	ug/L	50.000
⌊	Ba	135	621.7593	3.73	255627.751	ug/L	37.293
⌈>	Ho	165			197498.119	ug/L	228131.191
|	Tl	205	1.2393	3.54	3023.836	ug/L	17.333
|	Pb	208	92.3815	3.60	194659.607	ug/L	50.000
⌊	U	238	4.5517	1.75	43039.659	ug/L	66.667
⌈>	Sc-1	45			883131.018	ug/L	947524.233
|	Cr	50	132.1632	23.31	16154.149	ug/L	73.599

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L	Cr	53	56.9847	5.84	17450.735	ug/L	1108.068
⌈	Ni	61	51.2767	21.08	6853.924	ug/L	5998.646
|	Cu	63	51.0962	2.41	83122.959	ug/L	570.685
L>	Ge	74			472976.811	ug/L	528771.695
⌈	Ag	109	0.2150	5.14	602.687	ug/L	61.334
L>	In-1	115			292176.384	ug/L	344410.663
⌈	Pb	206	87.2556	3.65	368.007	ug/L	0.000
|	Pb	207	90.0210	3.54	55522.372	ug/L	10.000
L>	Ho-1	165			197498.119	ug/L	228131.191
⌈	Se	78	-2.0460	23.25	3604.145	ug/L	3830.540
|>	Ge-1	72			373143.581	ug/L	370717.369
|	Br	79			1784.842	ug/L	1106.067
|	Kr	83			-4187.170	ug/L	32.252
L	Se	76	-909.9794	18.61	124112.458	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		93.204		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		100.654		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		84.834		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		86.572		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH1

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:49:19
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH1.224
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 88
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	2.5638	12.45	333.339	ug/L	0.000
|	Al	27	69047.5422	2.26	131604111.331	ug/L	6007.985
⌊>	Sc	45			905233.489	ug/L	947524.233
⌈	V	51	190.2850	6.42	576999.896	ug/L	1464.633
|	Cr	52	54.5216	5.84	148521.447	ug/L	4195.635
|	Mn	55	2388.6255	4.05	8521927.493	ug/L	514.015
|	Fe	57	86404.0986	4.90	6586595.309	ug/L	8614.374
|	Co	59	30.8936	5.78	108109.779	ug/L	42.667
|	Ni	60	26.9063	4.73	21279.803	ug/L	39.094
|	Cu	65	47.4573	7.60	44223.692	ug/L	282.154
|>	Ge	72			383445.159	ug/L	370717.369
|	Zn	68	195.6863	5.44	60074.653	ug/L	231.336
|	As	75	23.0414	3.90	13468.061	ug/L	-329.434
⌊	Se	82	5.6395	16.66	320.931	ug/L	31.183
⌈	Mo	97	1.3613	5.15	934.048	ug/L	42.667
|	Ag	107	0.3218	10.36	985.387	ug/L	70.667
|>	In	115			302789.067	ug/L	344410.663
|	Cd	111	0.4507	7.66	264.323	ug/L	3.257
|	Sn	117	0.5655	11.72	300.672	ug/L	40.667
|	Sb	121	0.0997	5.15	216.003	ug/L	50.000
⌊	Ba	135	632.9973	4.77	269509.646	ug/L	37.293
⌈>	Ho	165			204210.794	ug/L	228131.191
|	Tl	205	1.1917	2.73	3007.831	ug/L	17.333
|	Pb	208	95.9944	3.76	209130.302	ug/L	50.000
⌊	U	238	5.2427	3.60	51228.605	ug/L	66.667
⌈>	Sc-1	45			905233.489	ug/L	947524.233
|	Cr	50	132.5159	14.43	16501.356	ug/L	73.599

L	Cr	53	54.6644	3.84	17217.624	ug/L	1108.068
Γ	Ni	61	48.7161	18.25	7017.374	ug/L	5998.646
|	Cu	63	52.1439	4.74	87850.436	ug/L	570.685
L>	Ge	74			490426.663	ug/L	528771.695
Γ	Ag	109	0.2168	3.18	630.689	ug/L	61.334
L>	In-1	115			302789.067	ug/L	344410.663
Γ	Pb	206	91.6041	15.00	398.676	ug/L	0.000
|	Pb	207	93.6469	5.49	59697.450	ug/L	10.000
L>	Ho-1	165			204210.794	ug/L	228131.191
Γ	Se	78	-2.7390	32.71	3614.318	ug/L	3830.540
|>	Ge-1	72			383445.159	ug/L	370717.369
|	Br	79			1730.831	ug/L	1106.067
|	Kr	83			-4397.306	ug/L	32.252
L	Se	76	-985.4604	30.01	126033.563	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		95.537		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		103.433		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		87.915		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		89.515		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH1P5

Sample Description: SERIAL DILUTION
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 01:53:02
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH1P5.225
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 89
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.4230	25.68	58.000	ug/L	0.000
|	Al	27	14072.4573	0.89	28312952.826	ug/L	6007.985
|>	Sc	45			955153.691	ug/L	947524.233
⌈	V	51	41.9426	2.73	127687.578	ug/L	1464.633
|	Cr	52	12.5801	1.95	37393.419	ug/L	4195.635
|	Mn	55	510.8637	0.24	1812258.297	ug/L	514.015
|	Fe	57	18442.4984	1.37	1404916.918	ug/L	8614.374
|	Co	59	7.0571	1.89	24593.895	ug/L	42.667
|	Ni	60	6.0733	2.36	4807.064	ug/L	39.094
|	Cu	65	10.9662	2.46	10391.592	ug/L	282.154
|>	Ge	72			380681.231	ug/L	370717.369
|	Zn	68	44.2057	3.20	13672.945	ug/L	231.336
|	As	75	5.2247	3.07	2775.210	ug/L	-329.434
⌊	Se	82	1.4959	14.59	108.097	ug/L	31.183
⌈	Mo	97	0.2271	3.74	204.002	ug/L	42.667
|	Ag	107	0.0567	5.74	245.337	ug/L	70.667
|>	In	115			329774.085	ug/L	344410.663
|	Cd	111	0.0947	27.14	62.966	ug/L	3.257
|	Sn	117	0.0841	38.12	82.000	ug/L	40.667
|	Sb	121	0.0004	1684.82	48.667	ug/L	50.000
⌊	Ba	135	127.7237	0.80	59345.364	ug/L	37.293
⌈>	Ho	165			216355.784	ug/L	228131.191
|	Tl	205	0.2372	7.25	648.023	ug/L	17.333
|	Pb	208	19.6104	1.40	45332.089	ug/L	50.000
⌊	U	238	1.0500	0.23	10928.566	ug/L	66.667
⌈>	Sc-1	45			955153.691	ug/L	947524.233
|	Cr	50	28.7528	54.28	3847.817	ug/L	73.599

L	Cr	53	9.6896	3.77	4139.609	ug/L	1108.068
⌈	Ni	61	17.3982	96.81	6609.074	ug/L	5998.646
|	Cu	63	10.9666	2.97	20570.586	ug/L	570.685
L>	Ge	74			533406.324	ug/L	528771.695
⌈	Ag	109	0.0285	10.65	141.334	ug/L	61.334
L>	In-1	115			329774.085	ug/L	344410.663
⌈	Pb	206	18.5621	34.76	86.000	ug/L	0.000
|	Pb	207	18.8654	2.30	12760.951	ug/L	10.000
L>	Ho-1	165			216355.784	ug/L	228131.191
⌈	Se	78	2.6341	14.75	4262.891	ug/L	3830.540
|>	Ge-1	72			380681.231	ug/L	370717.369
|	Br	79			747.364	ug/L	1106.067
|	Kr	83			-980.808	ug/L	32.252
L	Se	76	-129.9788	131.22	140634.782	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		100.805		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		102.688		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		95.750		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		94.838		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL Denver

SERIAL DILUTION

Method: 6020 (ICP/MS) 1 Reported: 07/19/07 11:39:28

Department: 090 (Metals) Source: MetEdit

Sample: **J1XH1P5** Serial Dilution: **5.00** Sample Dilution: **1.00**

Instrument: **ICP/MS** Channel 220
File: 071607A # 226 Method 6020_
Acquired: 07/17/2007 01:53:02 1 Matrix: SOLID
Calibrated: 07/16/2007 22:34:45 Units: ug/L

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7440-41-7	Beryllium	9	58	2.1150	2.5638	17.5	0.20	NC	☑
7429-90-5	Aluminum	27	28312953	70362	69048	1.90		*	
7440-62-2	Vanadium	51	127688	209.71	190.29	10.2	0.30	10.2	☑
7440-47-3	Chromium	52	37393	62.901	54.522	15.4	0.60	NC	☑
7439-96-5	Manganese	55	1812258	2554.3	2388.6	6.94	0.83	6.9	☑
7440-48-4	Cobalt	59	24594	35.285	30.894	14.2	0.025	E	☐
7440-02-0	Nickel	60	4807	30.366	26.906	12.9	0.40	NC	☑
7440-50-8	Copper	65	10392	54.831	47.457	15.5	0.81	NC	☑
7440-66-6	Zinc	68	13673	221.03	195.69	13.0	2.5	NC	☑
7440-38-2	Arsenic	75	2775	26.124	23.041	13.4	0.15	E	☐
7782-49-2	Selenium	78	4283	13.171	-2.7390		0.80	NC	☑
7782-49-2	Selenium	82	108	7.4795	5.6395	32.6	0.80	NC	☑
7439-98-7	Molybdenum	97	204	1.1355	1.3613	16.6	0.16	NC	☑
7440-22-4	Silver	107	245	0.28350	0.32180	11.9	0.16	NC	☑
7440-43-9	Cadmium	111	63	0.47350	0.45070	5.06	0.061	NC	☑
7440-31-5	Tin	117	82	0.42050	0.56550	25.6		*	
7440-36-0	Antimony	121	49	0.00200	0.09970	98.0	0.63	NC	☑
7440-39-3	Barium	135	59345	638.62	633.00	0.888	0.52	0.9	☑
7440-28-0	Thallium	205	648	1.1860	1.1917	0.478	0.030	NC	☑
7439-92-1	Lead	208	45332	98.052	95.994	2.14	0.50	2.1	☑
7440-61-1	Uranium	238	10929	5.2500	5.2427	0.139		*	
7440-50-8	Copper	63	20571	54.833	52.144	5.16	0.81	NC	☑
7440-47-3	Chromium	50	3848	143.76	132.52	8.49	0.60	8.5	☑
7440-47-3	Chromium	53	4140	48.448	54.664	11.4	0.60	NC	☑
7440-02-0	Nickel	61	6609	86.991	48.716	78.6	0.40	78.6	☑
7782-49-2	Selenium	76	140635	-649.89	-985.46		0.80	NC	☑
Z02	Br@079	79			0			*	
7440-22-4	Silver	109	141	0.14250	0.21680	34.3	0.16	NC	☑
7439-92-1	Lead	207	12761	94.327	93.647	0.726	0.50	0.7	☑
7439-92-1	Lead	206	86	92.811	91.604	1.32	0.50	1.3	☑
Z03	Kr@083	83			0			*	
7439-89-6	Iron	57	1404917	92212	86404	6.72		*	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72			☑
7440-74-6	Indium	115			☑
7440-60-0	Holmium	165			☑
7440-20-2	Scandium	45			☑
7440-56-4	Germanium	74			☑

* Analyte not requested for this batch, no MDL

NC : Undiluted Result < 100 X MDL

E : Difference greater than Limit (10.5%)

Reviewed by: Date:

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 01:56:44
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.226
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	48.8247	4.99	6953.994	ug/L	0.000
	Al	27	48.7422	4.58	107887.300	ug/L	6007.985
>	Sc	45			990369.904	ug/L	947524.233
	V	51	50.7871	3.85	160236.213	ug/L	1464.633
	Cr	52	50.8661	4.57	143395.856	ug/L	4195.635
	Mn	55	50.0903	5.10	184975.437	ug/L	514.015
	Fe	57	2525.1571	4.27	207665.283	ug/L	8614.374
	Co	59	50.4578	5.39	182306.713	ug/L	42.667
	Ni	60	50.4325	4.97	41139.205	ug/L	39.094
	Cu	65	50.6561	5.51	48750.894	ug/L	282.154
>	Ge	72			395498.283	ug/L	370717.369
	Zn	68	49.2035	3.91	15779.019	ug/L	231.336
	As	75	50.8787	5.96	31114.411	ug/L	-329.434
	Se	82	49.0726	4.58	2627.429	ug/L	31.183
	Mo	97	50.0643	5.07	37445.683	ug/L	42.667
	Ag	107	50.9371	4.20	166202.760	ug/L	70.667
>	In	115			343244.482	ug/L	344410.663
	Cd	111	49.8956	4.00	32822.673	ug/L	3.257
	Sn	117	50.1235	4.79	26741.964	ug/L	40.667
	Sb	121	49.7629	3.77	97498.840	ug/L	50.000
	Ba	135	50.7289	4.47	24542.945	ug/L	37.293
>	Ho	165			229617.119	ug/L	228131.191
	Tl	205	50.1189	3.98	141479.852	ug/L	17.333
	Pb	208	50.0577	4.12	122641.139	ug/L	50.000
	U	238	50.2679	4.60	551639.540	ug/L	66.667
>	Sc-1	45			990369.904	ug/L	947524.233
	Cr	50	49.8708	4.12	6853.155	ug/L	73.599

L	Cr	53	48.9936	3.40	17006.562	ug/L	1108.068
Γ	Ni	61	61.0499	16.01	8377.196	ug/L	5998.646
|	Cu	63	51.0064	4.51	97443.041	ug/L	570.685
L>	Ge	74			555566.549	ug/L	528771.695
Γ	Ag	109	51.3394	2.56	154697.842	ug/L	61.334
L>	In-1	115			343244.482	ug/L	344410.663
Γ	Pb	206	53.0206	15.62	259.337	ug/L	0.000
|	Pb	207	50.1525	4.30	35963.674	ug/L	10.000
L>	Ho-1	165			229617.119	ug/L	228131.191
Γ	Se	78	51.3956	6.23	10747.476	ug/L	3830.540
|>	Ge-1	72			395498.283	ug/L	370717.369
|	Br	79			373.341	ug/L	1106.067
|	Kr	83			26.939	ug/L	32.252
L	Se	76	-2.9184	7368.50	148422.093	ug/L	139224.413

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
Be	9	97.649			
Al	27	97.484			
> Sc	45		104.522		
V	51	101.574			
Cr	52	101.732			
Mn	55	100.181			
Fe	57	101.006			
Co	59	100.916			
Ni	60	100.865			
Cu	65	101.312			
> Ge	72		106.685		
Zn	68	98.407			
As	75	101.757			
Se	82	98.145			
Mo	97	100.129			
Ag	107	101.874			
> In	115		99.661		
Cd	111	99.791			
Sn	117	100.247			
Sb	121	99.526			
Ba	135	101.458			
> Ho	165		100.651		
Tl	205	100.238			
Pb	208	100.115			
U	238	100.536			
> Sc-1	45				
Cr	50				
Cr	53				
Ni	61				
Cu	63				
> Ge	74				
Ag	109				
> In-1	115				
Pb	206				
Pb	207				
> Ho-1	165				
Se	78				
> Ge-1	72				
Br	79				
Kr	83				
Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 02:00:26
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.227
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0277	48.89	4.000	ug/L	0.000
|	Al	27	-0.2082	13.23	5887.906	ug/L	6007.985
|>	Sc	45			997592.276	ug/L	947524.233
⌈	V	51	-0.0942	39.71	1288.141	ug/L	1464.633
|	Cr	52	0.1221	47.11	4891.316	ug/L	4195.635
|	Mn	55	0.0294	15.30	668.025	ug/L	514.015
|	Fe	57	19.0422	25.63	10865.418	ug/L	8614.374
|	Co	59	0.0008	133.69	49.333	ug/L	42.667
|	Ni	60	-0.0018	469.40	40.813	ug/L	39.094
|	Cu	65	-0.1810	12.60	129.766	ug/L	282.154
|>	Ge	72			402251.099	ug/L	370717.369
|	Zn	68	-0.1538	48.16	201.336	ug/L	231.336
|	As	75	-0.0557	290.74	-392.902	ug/L	-329.434
⌊	Se	82	0.2952	61.12	49.638	ug/L	31.183
⌈	Mo	97	0.0534	17.29	83.334	ug/L	42.667
|	Ag	107	0.0086	32.06	99.334	ug/L	70.667
|>	In	115			346825.950	ug/L	344410.663
|	Cd	111	0.0008	935.80	3.850	ug/L	3.257
|	Sn	117	0.0788	20.97	83.334	ug/L	40.667
|	Sb	121	0.0247	6.71	99.334	ug/L	50.000
⌊	Ba	135	-0.0087	32.69	33.305	ug/L	37.293
⌈>	Ho	165			231565.583	ug/L	228131.191
|	Tl	205	-0.0003	323.55	16.667	ug/L	17.333
|	Pb	208	-0.0033	72.18	42.667	ug/L	50.000
⌊	U	238	0.0039	34.26	110.667	ug/L	66.667
⌈>	Sc-1	45			997592.276	ug/L	947524.233
|	Cr	50	-0.8326	28.89	-36.518	ug/L	73.599

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L	Cr	53	-2.2230	2.38	442.011	ug/L	1108.068
Γ	Ni	61	2.3362	308.05	6500.326	ug/L	5998.646
|	Cu	63	-0.1537	2.38	313.339	ug/L	570.685
L>	Ge	74			565845.930	ug/L	528771.695
Γ	Ag	109	0.0056	40.18	78.667	ug/L	61.334
L>	In-1	115			346825.950	ug/L	344410.663
Γ	Pb	206	0.6727	34.13	3.333	ug/L	0.000
|	Pb	207	0.0090	33.82	16.667	ug/L	10.000
L>	Ho-1	165			231565.583	ug/L	228131.191
Γ	Se	78	3.0108	79.90	4550.795	ug/L	3830.540
|>	Ge-1	72			402251.099	ug/L	370717.369
|	Br	79			404.009	ug/L	1106.067
|	Kr	83			43.794	ug/L	32.252
L	Se	76	-173.8579	157.54	147715.154	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		105.284		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		108.506		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		100.701		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		101.505		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH1Z

Sample Description: POST DIGESTION SPIKE
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 02:04:10
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH1Z.228
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 90
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	184.3042	1.80	24269.019	ug/L	0.000
|	Al	27	66746.6190	4.00	128618638.342	ug/L	6007.985
⌊>	Sc	45			915145.675	ug/L	947524.233
⌈	V	51	361.9022	0.82	1087032.253	ug/L	1464.633
|	Cr	52	227.1247	0.69	599911.746	ug/L	4195.635
|	Mn	55	2510.6795	1.56	8878181.757	ug/L	514.015
|	Fe	57	84128.1123	0.96	6358253.542	ug/L	8614.374
|	Co	59	197.3267	0.60	684469.647	ug/L	42.667
|	Ni	60	193.0539	0.36	151104.227	ug/L	39.094
|	Cu	65	210.1193	2.04	193258.140	ug/L	282.154
|>	Ge	72			379525.709	ug/L	370717.369
|	Zn	68	351.0330	2.18	106612.216	ug/L	231.336
|	As	75	190.2336	1.52	112636.981	ug/L	-329.434
⌊	Se	82	168.8428	1.25	8601.743	ug/L	31.183
⌈	Mo	97	192.4212	2.88	126525.229	ug/L	42.667
|	Ag	107	181.9476	1.21	522208.515	ug/L	70.667
|>	In	115			301890.761	ug/L	344410.663
|	Cd	111	183.8787	2.53	106410.813	ug/L	3.257
|	Sn	117	187.5095	2.68	87922.520	ug/L	40.667
|	Sb	121	189.2172	2.31	326027.594	ug/L	50.000
⌊	Ba	135	801.8238	1.48	340854.777	ug/L	37.293
⌈>	Ho	165			207209.837	ug/L	228131.191
|	Tl	205	186.6553	1.43	475734.431	ug/L	17.333
|	Pb	208	276.8042	1.37	612176.487	ug/L	50.000
⌊	U	238	194.1049	2.01	1923415.531	ug/L	66.667
⌈>	Sc-1	45			915145.675	ug/L	947524.233
|	Cr	50	321.7379	11.63	40449.092	ug/L	73.599

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L	Cr	53	233.0505	2.08	70752.978	ug/L	1108.068
Γ	Ni	61	258.9739	2.65	13187.559	ug/L	5998.646
|	Cu	63	233.2551	1.96	387349.242	ug/L	570.685
L>	Ge	74			485056.143	ug/L	528771.695
Γ	Ag	109	182.4445	1.50	483468.164	ug/L	61.334
L>	In-1	115			301890.761	ug/L	344410.663
Γ	Pb	206	271.9443	5.90	1203.413	ug/L	0.000
|	Pb	207	272.7923	0.66	176617.218	ug/L	10.000
L>	Ho-1	165			207209.837	ug/L	228131.191
Γ	Se	78	163.4526	0.91	24265.578	ug/L	3830.540
|>	Ge-1	72			379525.709	ug/L	370717.369
|	Br	79			1699.492	ug/L	1106.067
|	Kr	83			-4232.893	ug/L	32.252
L	Se	76	-326.3852	98.95	136657.068	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		96.583		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		102.376		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		87.654		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		90.829		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL Denver

SAMPLE SPIKE

Method: 6020 (ICP/MS) 1 Reported: 07/19/07 11:39:45

Department: 090 (Metals) Source: MetEdit

Sample: **J1XH1Z** Spike Dilution: **1.00** Sample Dilution: **1.00**

Instrument: **ICP/MS** Channel 220
File: 071607A # 229 Method 6020_
Acquired: 07/17/2007 02:04:10 1 Matrix: SOLID
Calibrated: 07/16/2007 22:34:45 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7440-41-7	Beryllium	9	24269	184.30	2.5638	90.9	200		☑
7429-90-5	Aluminum	27	28618638	66747	69048				
7440-62-2	Vanadium	51	1087032	361.90	190.29	85.8	200		☑
7440-47-3	Chromium	52	599912	227.12	54.522	86.3	200		☑
7439-96-5	Manganese	55	8878162	2510.7	2388.6	61.0	200	*	☐
7440-48-4	Cobalt	59	684470	197.33	30.894	83.2	200		☑
7440-02-0	Nickel	60	151104	193.05	26.906	83.1	200		☑
7440-50-8	Copper	65	193258	210.12	47.457	81.3	200		☑
7440-66-6	Zinc	68	106612	351.03	195.69	77.7	200		☐
7440-38-2	Arsenic	75	112637	190.23	23.041	83.6	200		☑
7782-49-2	Selenium	78	24266	163.45	-2.7390				
7782-49-2	Selenium	82	8602	168.84	5.6395	81.6	200		☑
7439-98-7	Molybdenum	97	126525	192.42	1.3613	95.5	200		☑
7440-22-4	Silver	107	522209	181.95	0.32180	90.8	200		☑
7440-43-9	Cadmium	111	106411	183.88	0.45070	91.7	200		☑
7440-31-5	Tin	117	87923	187.51	0.56550	93.5	200		☐
7440-36-0	Antimony	121	326028	189.22	0.09970	94.6	200		☑
7440-39-3	Barium	135	340855	801.82	633.00	84.4	200		☑
7440-28-0	Thallium	205	475734	186.66	1.1917	92.7	200		☑
7439-92-1	Lead	208	612176	276.80	95.994	90.4	200		☑
7440-61-1	Uranium	238	1923416	194.10	5.2427	94.4	200		☑
7440-50-8	Copper	63	387349	233.26	52.144				
7440-47-3	Chromium	50	40449	321.74	132.52				
7440-47-3	Chromium	53	70753	233.05	54.664				
7440-02-0	Nickel	61	13188	258.97	48.716				
7782-49-2	Selenium	76	136657	-326.39	-985.46				
Z02	Br@079	79			0				
7440-22-4	Silver	109	483468	182.44	0.21680				
7439-92-1	Lead	207	176617	272.79	93.647				
7439-92-1	Lead	206	1203	271.94	91.604				
Z03	Kr@083	83			0				
7439-89-6	Iron	57	6358254	84128	86404				

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	Germanium	72			☑
7440-74-6	Indium	115			☑
7440-60-0	Holmium	165			☑
7440-20-2	Scandium	45			☑
7440-56-4	Germanium	74			☑

Reviewed by: Date:

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH1S

Sample Description: MATRIX SPIKE
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 02:07:54
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH1S.229
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 91
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	37.2602	1.81	4883.312	ug/L	0.000
|	Al	27	67108.3413	0.77	128716426.709	ug/L	6007.985
⌊>	Sc	45			910586.985	ug/L	947524.233
⌈	V	51	218.7991	2.62	659192.433	ug/L	1464.633
|	Cr	52	87.0245	2.06	232988.189	ug/L	4195.635
|	Mn	55	2070.0009	2.50	7334331.869	ug/L	514.015
|	Fe	57	83922.3904	2.94	6355064.936	ug/L	8614.374
|	Co	59	60.8646	2.19	211591.078	ug/L	42.667
|	Ni	60	57.7506	0.93	45325.311	ug/L	39.094
|	Cu	65	78.0325	2.28	72108.843	ug/L	282.154
|>	Ge	72			380339.883	ug/L	370717.369
|	Zn	68	218.3159	2.49	66538.670	ug/L	231.336
|	As	75	51.4460	4.19	30282.046	ug/L	-329.434
⌊	Se	82	33.8552	3.72	1754.390	ug/L	31.183
⌈	Mo	97	25.1425	1.00	16420.150	ug/L	42.667
|	Ag	107	32.9799	1.37	93864.785	ug/L	70.667
|>	In	115			299191.392	ug/L	344410.663
|	Cd	111	37.0204	0.53	21238.627	ug/L	3.257
|	Sn	117	1.1336	1.47	562.017	ug/L	40.667
|	Sb	121	2.0907	3.27	3613.385	ug/L	50.000
⌊	Ba	135	615.1482	0.14	259197.434	ug/L	37.293
⌈>	Ho	165			200247.460	ug/L	228131.191
|	Tl	205	38.1160	0.88	93907.903	ug/L	17.333
|	Pb	208	146.0408	1.21	312184.166	ug/L	50.000
⌊	U	238	43.2937	0.49	414692.773	ug/L	66.667
⌈>	Sc-1	45			910586.985	ug/L	947524.233
|	Cr	50	150.8106	21.85	18939.663	ug/L	73.599

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L	Cr	53	86.5706	1.64	26822.183	ug/L	1108.068
⌈	Ni	61	103.9119	7.54	8420.568	ug/L	5998.646
|	Cu	63	88.1405	1.71	143839.716	ug/L	570.685
L>	Ge	74			475592.082	ug/L	528771.695
⌈	Ag	109	33.1148	1.32	87020.543	ug/L	61.334
L>	In-1	115			299191.392	ug/L	344410.663
⌈	Pb	206	137.1799	8.87	586.686	ug/L	0.000
|	Pb	207	141.2768	1.35	88401.090	ug/L	10.000
L>	Ho-1	165			200247.460	ug/L	228131.191
⌈	Se	78	26.6051	9.15	7250.097	ug/L	3830.540
|>	Ge-1	72			380339.883	ug/L	370717.369
|	Br	79			1746.168	ug/L	1106.067
|	Kr	83			-4186.838	ug/L	32.252
L	Se	76	-915.4091	19.53	126418.191	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		96.102		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		102.596		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		86.871		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		87.777		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH1D

Sample Description: MATRIX SPIKE DUPLICATE
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 02:11:37
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH1D.230
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 92
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	39.3358	0.24	5001.375	ug/L	0.000
|	Al	27	82277.0436	2.33	153098228.625	ug/L	6007.985
L>	Sc	45			883501.853	ug/L	947524.233
⌈	V	51	269.1646	3.17	797550.840	ug/L	1464.633
|	Cr	52	99.2599	1.97	260916.640	ug/L	4195.635
|	Mn	55	2447.2957	4.63	8531274.706	ug/L	514.015
|	Fe	57	103202.3489	2.79	7688185.473	ug/L	8614.374
|	Co	59	65.4054	2.03	223752.820	ug/L	42.667
|	Ni	60	62.0913	1.77	47951.504	ug/L	39.094
|	Cu	65	84.7525	1.94	77049.949	ug/L	282.154
|>	Ge	72			374329.333	ug/L	370717.369
|	Zn	68	258.5833	0.56	77536.017	ug/L	231.336
|	As	75	57.5305	1.64	33363.576	ug/L	-329.434
L	Se	82	34.2987	1.64	1748.907	ug/L	31.183
⌈	Mo	97	24.9481	2.47	15559.974	ug/L	42.667
|	Ag	107	33.7111	1.33	91636.242	ug/L	70.667
|>	In	115			285750.405	ug/L	344410.663
|	Cd	111	37.0963	2.01	20324.084	ug/L	3.257
|	Sn	117	0.9379	9.89	450.011	ug/L	40.667
|	Sb	121	1.8946	7.06	3130.540	ug/L	50.000
L	Ba	135	726.2499	1.33	292242.295	ug/L	37.293
⌈>	Ho	165			195098.063	ug/L	228131.191
|	Tl	205	39.4317	2.03	94638.088	ug/L	17.333
|	Pb	208	157.9910	1.93	329003.907	ug/L	50.000
L	U	238	44.6810	2.42	416912.102	ug/L	66.667
⌈>	Sc-1	45			883501.853	ug/L	947524.233
|	Cr	50	239.7305	28.83	29141.533	ug/L	73.599

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L	Cr	53	102.2208	2.47	30542.570	ug/L	1108.068
Γ	Ni	61	103.9319	6.43	8296.451	ug/L	5998.646
|	Cu	63	96.6918	2.99	155458.414	ug/L	570.685
L>	Ge	74			468738.979	ug/L	528771.695
Γ	Ag	109	33.3723	1.96	83751.392	ug/L	61.334
L>	In-1	115			285750.405	ug/L	344410.663
Γ	Pb	206	145.0633	3.17	604.687	ug/L	0.000
|	Pb	207	153.6410	0.93	93664.735	ug/L	10.000
L>	Ho-1	165			195098.063	ug/L	228131.191
Γ	Se	78	25.3715	11.82	6978.794	ug/L	3830.540
|>	Ge-1	72			374329.333	ug/L	370717.369
|	Br	79			1804.180	ug/L	1106.067
|	Kr	83			-4646.597	ug/L	32.252
L	Se	76	-925.8438	21.88	124212.914	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		93.243		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		100.974		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		82.968		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		85.520		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH4

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 02:15:22
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH4.231
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 93
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	3.9240	5.36	457.345	ug/L	0.000
|	Al	27	136626.3324	1.73	233015625.178	ug/L	6007.985
L>	Sc	45			809741.542	ug/L	947524.233
⌈	V	51	287.7222	2.10	858208.453	ug/L	1464.633
|	Cr	52	83.2420	2.85	220943.858	ug/L	4195.635
|	Mn	55	2622.1459	0.91	9205989.188	ug/L	514.015
|	Fe	57	167621.2052	1.85	12565972.772	ug/L	8614.374
|	Co	59	41.0187	1.68	141282.778	ug/L	42.667
|	Ni	60	44.7291	2.60	34782.670	ug/L	39.094
|	Cu	65	89.8184	4.74	82146.945	ug/L	282.154
|>	Ge	72			376835.500	ug/L	370717.369
|	Zn	68	416.6110	4.20	125561.836	ug/L	231.336
|	As	75	44.4640	4.61	25870.382	ug/L	-329.434
L	Se	82	5.1592	12.85	291.250	ug/L	31.183
⌈	Mo	97	3.4546	4.83	2036.895	ug/L	42.667
|	Ag	107	0.8262	2.52	2147.587	ug/L	70.667
|>	In	115			266527.261	ug/L	344410.663
|	Cd	111	1.3169	3.95	675.026	ug/L	3.257
|	Sn	117	2.4201	8.86	1032.059	ug/L	40.667
|	Sb	121	0.2528	11.97	423.343	ug/L	50.000
L	Ba	135	742.4342	3.27	278536.098	ug/L	37.293
⌈>	Ho	165			174531.639	ug/L	228131.191
|	Tl	205	1.8874	3.37	4064.242	ug/L	17.333
|	Pb	208	320.2913	0.58	596680.792	ug/L	50.000
L	U	238	7.3195	1.22	61146.978	ug/L	66.667
⌈>	Sc-1	45			809741.542	ug/L	947524.233
|	Cr	50	434.6278	27.75	48304.354	ug/L	73.599

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L	Cr	53	94.4216	1.71	25931.612	ug/L	1108.068
⌈	Ni	61	107.2105	8.24	7653.887	ug/L	5998.646
|	Cu	63	110.2793	4.58	161620.988	ug/L	570.685
L>	Ge	74			427780.486	ug/L	528771.695
⌈	Ag	109	0.5060	1.24	1231.417	ug/L	61.334
L>	In-1	115			266527.261	ug/L	344410.663
⌈	Pb	206	324.9143	2.80	1211.414	ug/L	0.000
|	Pb	207	310.5625	1.67	169351.645	ug/L	10.000
L>	Ho-1	165			174531.639	ug/L	228131.191
⌈	Se	78	-6.9438	14.27	3036.147	ug/L	3830.540
|>	Ge-1	72			376835.500	ug/L	370717.369
|	Br	79			1866.860	ug/L	1106.067
|	Kr	83			-5135.185	ug/L	32.252
L	Se	76	-1567.5132	17.27	113622.326	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		85.459		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		101.650		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		77.386		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		76.505		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH6

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 02:19:07
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH6.232
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 94
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	5.9088	4.78	721.362	ug/L	0.000
|	Al	27	157233.9922	0.85	280890643.100	ug/L	6007.985
⌊>	Sc	45			848271.221	ug/L	947524.233
⌈	V	51	294.0675	2.79	851695.584	ug/L	1464.633
|	Cr	52	85.8855	1.23	221243.749	ug/L	4195.635
|	Mn	55	6213.9253	4.00	21175767.244	ug/L	514.015
|	Fe	57	180823.9196	3.31	13162057.709	ug/L	8614.374
|	Co	59	46.2338	1.56	154612.881	ug/L	42.667
|	Ni	60	67.7933	2.78	51153.047	ug/L	39.094
|	Cu	65	145.5910	0.27	129165.787	ug/L	282.154
|>	Ge	72			365799.291	ug/L	370717.369
|	Zn	68	631.1574	0.74	184588.694	ug/L	231.336
|	As	75	79.3995	1.57	45119.804	ug/L	-329.434
⌊	Se	82	10.5534	9.32	546.970	ug/L	31.183
⌈	Mo	97	4.3321	3.43	2363.641	ug/L	42.667
|	Ag	107	1.2174	3.07	2911.133	ug/L	70.667
|>	In	115			247204.509	ug/L	344410.663
|	Cd	111	3.8349	0.98	1819.928	ug/L	3.257
|	Sn	117	3.1876	2.14	1252.753	ug/L	40.667
|	Sb	121	0.3825	5.53	575.352	ug/L	50.000
⌊	Ba	135	1614.7621	1.85	562049.116	ug/L	37.293
⌈>	Ho	165			199229.991	ug/L	228131.191
|	Tl	205	1.3964	0.75	3437.316	ug/L	17.333
|	Pb	208	510.4577	1.96	1085264.153	ug/L	50.000
⌊	U	238	6.7051	2.11	63931.343	ug/L	66.667
⌈>	Sc-1	45			848271.221	ug/L	947524.233
|	Cr	50	177.2896	85.02	20887.508	ug/L	73.599

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L	Cr	53	84.9580	3.32	24530.389	ug/L	1108.068
Γ	Ni	61	206.9538	6.44	9895.385	ug/L	5998.646
I	Cu	63	178.2960	1.73	251809.521	ug/L	570.685
L>	Ge	74			412361.461	ug/L	528771.695
Γ	Ag	109	0.8813	6.87	1955.544	ug/L	61.334
L>	In-1	115			247204.509	ug/L	344410.663
Γ	Pb	206	500.2479	2.16	2128.916	ug/L	0.000
I	Pb	207	488.5511	1.95	304059.928	ug/L	10.000
L>	Ho-1	165			199229.991	ug/L	228131.191
Γ	Se	78	-6.1738	20.84	3040.501	ug/L	3830.540
I>	Ge-1	72			365799.291	ug/L	370717.369
I	Br	79			3028.504	ug/L	1106.067
I	Kr	83			-20915.288	ug/L	32.252
L	Se	76	-1703.0723	15.45	108037.446	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		89.525		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		98.673		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		71.776		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		87.331		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH8

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 02:22:52
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH8.233
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 95
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	2.2609	10.51	270.004	ug/L	0.000
|	Al	27	72895.8845	4.59	127550578.573	ug/L	6007.985
L>	Sc	45			831342.723	ug/L	947524.233
⌈	V	51	219.8296	4.70	622561.870	ug/L	1464.633
|	Cr	52	59.9995	5.45	152238.582	ug/L	4195.635
|	Mn	55	1751.3919	4.40	5833660.111	ug/L	514.015
|	Fe	57	104310.1518	5.36	7423108.095	ug/L	8614.374
|	Co	59	35.4626	4.29	115919.153	ug/L	42.667
|	Ni	60	32.4194	2.64	23943.308	ug/L	39.094
|	Cu	65	86.6325	5.16	75219.254	ug/L	282.154
|>	Ge	72			357831.708	ug/L	370717.369
|	Zn	68	292.6344	5.08	83762.246	ug/L	231.336
|	As	75	39.8191	5.20	21956.009	ug/L	-329.434
L	Se	82	6.0982	6.92	321.687	ug/L	31.183
⌈	Mo	97	2.4259	2.79	1490.122	ug/L	42.667
|	Ag	107	0.4990	5.17	1362.769	ug/L	70.667
|>	In	115			275666.036	ug/L	344410.663
|	Cd	111	1.2455	5.41	660.009	ug/L	3.257
|	Sn	117	1.0099	7.86	464.012	ug/L	40.667
|	Sb	121	0.1634	3.79	297.338	ug/L	50.000
L	Ba	135	623.5573	3.67	241870.445	ug/L	37.293
⌈>	Ho	165			189719.445	ug/L	228131.191
|	Tl	205	1.2604	3.49	2956.481	ug/L	17.333
|	Pb	208	257.0804	1.93	520561.313	ug/L	50.000
L	U	238	3.8341	0.49	34843.985	ug/L	66.667
⌈>	Sc-1	45			831342.723	ug/L	947524.233
|	Cr	50	133.0538	45.80	15241.364	ug/L	73.599

L	Cr	53	60.2854	1.24	17345.869	ug/L	1108.068
Γ	Ni	61	79.6654	5.91	7155.482	ug/L	5998.646
|	Cu	63	100.6461	4.37	152228.832	ug/L	570.685
L>	Ge	74			441289.745	ug/L	528771.695
Γ	Ag	109	0.3742	5.75	953.383	ug/L	61.334
L>	In-1	115			275666.036	ug/L	344410.663
Γ	Pb	206	247.1996	5.67	1001.389	ug/L	0.000
|	Pb	207	245.8064	2.78	145686.934	ug/L	10.000
L>	Ho-1	165			189719.445	ug/L	228131.191
Γ	Se	78	-1.5944	28.52	3509.546	ug/L	3830.540
|>	Ge-1	72			357831.708	ug/L	370717.369
|	Br	79			1957.545	ug/L	1106.067
|	Kr	83			-5427.419	ug/L	32.252
L	Se	76	-1051.9000	17.46	116595.150	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		87.738		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		96.524		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		80.040		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		83.162		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: J1XH9

Sample Description: D7F270299
Batch ID: 7181046
Sample Date/Time: Tuesday, July 17, 2007 02:26:38
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\J1XH9.234
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 96
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	2.6505	4.69	318.006	ug/L	0.000
|	Al	27	76758.3142	0.84	134794237.221	ug/L	6007.985
L>	Sc	45			833692.164	ug/L	947524.233
⌈	V	51	230.4078	3.20	655140.531	ug/L	1464.633
|	Cr	52	72.5804	1.78	184124.292	ug/L	4195.635
|	Mn	55	1906.9498	3.54	6376570.007	ug/L	514.015
|	Fe	57	126744.3863	2.49	9057811.292	ug/L	8614.374
|	Co	59	39.1397	1.44	128482.485	ug/L	42.667
|	Ni	60	30.5544	2.89	22650.693	ug/L	39.094
|	Cu	65	70.1652	3.33	61221.376	ug/L	282.154
|>	Ge	72			359121.726	ug/L	370717.369
|	Zn	68	270.3636	2.05	77771.594	ug/L	231.336
|	As	75	35.6522	3.30	19706.817	ug/L	-329.434
L	Se	82	6.4582	5.88	340.505	ug/L	31.183
⌈	Mo	97	1.6031	2.83	969.385	ug/L	42.667
|	Ag	107	0.4781	11.17	1276.091	ug/L	70.667
|>	In	115			268230.119	ug/L	344410.663
|	Cd	111	0.7846	4.06	406.264	ug/L	3.257
|	Sn	117	1.0745	4.94	479.346	ug/L	40.667
|	Sb	121	0.1048	2.79	199.336	ug/L	50.000
L	Ba	135	970.1177	3.77	366241.182	ug/L	37.293
⌈>	Ho	165			189137.317	ug/L	228131.191
|	Tl	205	1.6598	1.09	3876.160	ug/L	17.333
|	Pb	208	175.3130	1.36	353942.845	ug/L	50.000
L	U	238	6.9734	0.92	63133.799	ug/L	66.667
⌈>	Sc-1	45			833692.164	ug/L	947524.233
|	Cr	50	187.2140	26.37	21430.779	ug/L	73.599

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L	Cr	53	74.8230	0.80	21357.061	ug/L	1108.068
⌈	Ni	61	85.4157	7.99	7104.108	ug/L	5998.646
|	Cu	63	81.3768	2.82	119760.440	ug/L	570.685
L>	Ge	74			428841.693	ug/L	528771.695
⌈	Ag	109	0.2263	9.54	580.019	ug/L	61.334
L>	In-1	115			268230.119	ug/L	344410.663
⌈	Pb	206	167.9765	3.09	678.692	ug/L	0.000
|	Pb	207	169.1612	1.81	99972.083	ug/L	10.000
L>	Ho-1	165			189137.317	ug/L	228131.191
⌈	Se	78	-2.2208	69.95	3446.564	ug/L	3830.540
|>	Ge-1	72			359121.726	ug/L	370717.369
|	Br	79			2421.656	ug/L	1106.067
|	Kr	83			-5642.182	ug/L	32.252
L	Se	76	-1238.2058	18.98	113862.321	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		87.986		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		96.872		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		77.881		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		82.907		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Fe 57 Upper, S, EEE	Fe	57	Fe above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 02:30:22
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.235
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	49.1752	3.43	6159.420	ug/L	0.000
|	Al	27	51.7851	4.80	100406.116	ug/L	6007.985
|>	Sc	45			870987.843	ug/L	947524.233
⌈	V	51	52.4756	0.72	147065.533	ug/L	1464.633
|	Cr	52	53.0572	1.42	132719.384	ug/L	4195.635
|	Mn	55	51.8896	2.02	170219.001	ug/L	514.015
|	Fe	57	2627.7245	0.69	191676.228	ug/L	8614.374
|	Co	59	51.6361	2.62	165769.335	ug/L	42.667
|	Ni	60	52.0214	2.27	37697.053	ug/L	39.094
|	Cu	65	52.7039	2.00	45052.386	ug/L	282.154
|>	Ge	72			351254.895	ug/L	370717.369
|	Zn	68	50.3704	2.57	14344.648	ug/L	231.336
|	As	75	51.7591	0.45	28138.208	ug/L	-329.434
⌊	Se	82	51.5389	0.65	2450.460	ug/L	31.183
⌈	Mo	97	51.8207	1.44	34746.956	ug/L	42.667
|	Ag	107	52.8010	2.67	154398.801	ug/L	70.667
|>	In	115			307617.182	ug/L	344410.663
|	Cd	111	51.8182	2.39	30549.577	ug/L	3.257
|	Sn	117	52.8403	2.24	25267.737	ug/L	40.667
|	Sb	121	51.8872	2.38	91126.663	ug/L	50.000
⌊	Ba	135	53.3530	3.46	23128.537	ug/L	37.293
⌈>	Ho	165			208412.348	ug/L	228131.191
|	Tl	205	52.9980	2.48	135831.937	ug/L	17.333
|	Pb	208	53.2050	2.59	118347.359	ug/L	50.000
⌊	U	238	53.4326	1.95	532486.352	ug/L	66.667
⌈>	Sc-1	45			870987.843	ug/L	947524.233
|	Cr	50	51.6516	3.74	6237.526	ug/L	73.599

L	Cr	53	51.4701	4.20	15652.130	ug/L	1108.068
⌈	Ni	61	63.3286	6.86	7522.447	ug/L	5998.646
|	Cu	63	53.2578	2.93	90507.123	ug/L	570.685
L>	Ge	74			494207.302	ug/L	528771.695
⌈	Ag	109	52.8642	3.61	142699.963	ug/L	61.334
L>	In-1	115			307617.182	ug/L	344410.663
⌈	Pb	206	54.8230	3.76	244.003	ug/L	0.000
|	Pb	207	53.0863	2.57	34564.254	ug/L	10.000
L>	Ho-1	165			208412.348	ug/L	228131.191
⌈	Se	78	53.7178	3.31	9815.041	ug/L	3830.540
|>	Ge-1	72			351254.895	ug/L	370717.369
|	Br	79			472.679	ug/L	1106.067
|	Kr	83			33.832	ug/L	32.252
L	Se	76	13.6907	940.30	132113.638	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9	98.350			
	Al	27	103.570			
>	Sc	45		91.922		
	V	51	104.951			
	Cr	52	106.114			
	Mn	55	103.779			
	Fe	57	105.109			
	Co	59	103.272			
	Ni	60	104.043			
	Cu	65	105.408			
>	Ge	72		94.750		
	Zn	68	100.741			
	As	75	103.518			
	Se	82	103.078			
	Mo	97	103.641			
	Ag	107	105.602			
>	In	115		89.317		
	Cd	111	103.636			
	Sn	117	105.681			
	Sb	121	103.774			
	Ba	135	106.706			
>	Ho	165		91.356		
	Tl	205	105.996			
	Pb	208	106.410			
	U	238	106.865			
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 02:34:04
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.236
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0150	2.37	2.000	ug/L	0.000
|	Al	27	-0.2632	11.20	5371.587	ug/L	6007.985
|>	Sc	45			928443.412	ug/L	947524.233
⌈	V	51	-0.0428	108.90	1306.256	ug/L	1464.633
|	Cr	52	0.2566	28.78	4734.567	ug/L	4195.635
|	Mn	55	0.0264	11.30	590.686	ug/L	514.015
|	Fe	57	36.4027	11.50	11022.864	ug/L	8614.374
|	Co	59	0.0005	597.08	43.333	ug/L	42.667
|	Ni	60	0.0019	316.18	39.555	ug/L	39.094
|	Cu	65	-0.1853	4.32	113.108	ug/L	282.154
|>	Ge	72			361767.386	ug/L	370717.369
|	Zn	68	-0.1352	32.10	186.669	ug/L	231.336
|	As	75	-0.0995	101.22	-378.208	ug/L	-329.434
⌊	Se	82	0.0690	226.17	33.779	ug/L	31.183
⌈	Mo	97	0.0401	29.16	68.000	ug/L	42.667
|	Ag	107	0.0036	121.39	77.334	ug/L	70.667
|>	In	115			322348.161	ug/L	344410.663
|	Cd	111	0.0045	139.96	5.878	ug/L	3.257
|	Sn	117	0.0492	20.78	62.667	ug/L	40.667
|	Sb	121	0.0337	19.07	108.667	ug/L	50.000
⌊	Ba	135	-0.0002	22871.06	34.629	ug/L	37.293
⌈>	Ho	165			217422.704	ug/L	228131.191
|	Tl	205	0.0003	748.77	17.333	ug/L	17.333
|	Pb	208	0.0033	120.76	55.334	ug/L	50.000
⌊	U	238	0.0069	20.72	135.334	ug/L	66.667
⌈>	Sc-1	45			928443.412	ug/L	947524.233
|	Cr	50	-0.5245	49.83	4.959	ug/L	73.599

L	Cr	53	-2.1935	14.91	419.343	ug/L	1108.068
⌈	Ni	61	11.0031	21.70	6136.070	ug/L	5998.646
|	Cu	63	-0.1495	17.37	290.005	ug/L	570.685
L>	Ge	74			510570.032	ug/L	528771.695
⌈	Ag	109	0.0094	17.65	84.000	ug/L	61.334
L>	In-1	115			322348.161	ug/L	344410.663
⌈	Pb	206	0.4311	100.49	2.000	ug/L	0.000
|	Pb	207	0.0194	24.00	22.667	ug/L	10.000
L>	Ho-1	165			217422.704	ug/L	228131.191
⌈	Se	78	2.9635	18.23	4090.076	ug/L	3830.540
|>	Ge-1	72			361767.386	ug/L	370717.369
|	Br	79			348.673	ug/L	1106.067
|	Kr	83			20.632	ug/L	32.252
L	Se	76	19.8221	965.86	136176.625	ug/L	139224.413

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		97.986		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		97.586		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		93.594		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		95.306		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Reslope Before Continuing Analytical Run

Corrective action was taken as stated in method 6020 section 7.8

…"During the course of an analytical run, the instrument may be "resloped" or recalibrated to correct for instrument drift. A recalibration must then be followed immediately by a new analysis of a CCV and CCB before any further samples are analyzed."

Analyst: DGamkn

Date: 7/17/07

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: Blank

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:23:59
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Blank.359
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9			2.000	ug/L	
	Al	27			6929.352	ug/L	
>	Sc	45			1031328.622	ug/L	
	V	51			1364.498	ug/L	
	Cr	52			5210.827	ug/L	
	Mn	55			644.023	ug/L	
	Fe	57			12591.175	ug/L	
	Co	59			58.667	ug/L	
	Ni	60			44.357	ug/L	
	Cu	65			175.024	ug/L	
>	Ge	72			397626.546	ug/L	
	Zn	68			214.003	ug/L	
	As	75			-518.226	ug/L	
	Se	82			42.334	ug/L	
	Mo	97			82.000	ug/L	
	Ag	107			121.334	ug/L	
>	In	115			341785.493	ug/L	
	Cd	111			5.186	ug/L	
	Sn	117			40.667	ug/L	
	Sb	121			67.334	ug/L	
	Ba	135			29.951	ug/L	
>	Ho	165			222639.936	ug/L	
	Tl	205			26.000	ug/L	
	Pb	208			44.000	ug/L	
	U	238			81.334	ug/L	
>	Sc-1	45			1031328.622	ug/L	
	Cr	50			16.594	ug/L	

L	Cr	53	531.349	ug/L
⌈	Ni	61	7788.670	ug/L
|	Cu	63	1119.402	ug/L
L>	Ge	74	563268.085	ug/L
⌈	Ag	109	109.334	ug/L
L>	In-1	115	341785.493	ug/L
⌈	Pb	206	0.667	ug/L
|	Pb	207	18.667	ug/L
L>	Ho-1	165	222639.936	ug/L
⌈	Se	78	4554.284	ug/L
|>	Ge-1	72	397626.546	ug/L
|	Br	79	1439.448	ug/L
|	Kr	83	21.882	ug/L
L	Se	76	148870.112	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45				
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72				
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115				
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165				
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: Standard 1

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:27:39
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\Standard 1.360
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 2
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	100.0000	2.92	14084.913	ug/L	2.000
|	Al	27	100.0000	1.73	217708.347	ug/L	6929.352
L>	Sc	45			1009117.202	ug/L	1031328.622
⌈	V	51	100.0000	4.92	303106.722	ug/L	1364.498
|	Cr	52	100.0000	3.43	270628.666	ug/L	5210.827
|	Mn	55	100.0000	3.82	361969.496	ug/L	644.023
|	Fe	57	5000.0000	4.66	404195.738	ug/L	12591.175
|	Co	59	100.0000	3.92	355800.407	ug/L	58.667
|	Ni	60	100.0000	3.07	79713.287	ug/L	44.357
|	Cu	65	100.0000	4.19	94993.634	ug/L	175.024
|>	Ge	72			403379.936	ug/L	397626.546
|	Zn	68	100.0000	3.77	31194.115	ug/L	214.003
|	As	75	100.0000	3.77	60439.799	ug/L	-518.226
L	Se	82	100.0000	2.37	5167.355	ug/L	42.334
⌈	Mo	97	100.0000	2.29	70773.798	ug/L	82.000
|	Ag	107	100.0000	1.46	312702.593	ug/L	121.334
|>	In	115			334186.386	ug/L	341785.493
|	Cd	111	100.0000	3.17	61566.638	ug/L	5.186
|	Sn	117	100.0000	2.75	49676.071	ug/L	40.667
|	Sb	121	100.0000	2.29	184387.126	ug/L	67.334
L	Ba	135	100.0000	1.94	47007.720	ug/L	29.951
⌈>	Ho	165			217823.114	ug/L	222639.936
|	Tl	205	100.0000	3.28	243873.069	ug/L	26.000
|	Pb	208	100.0000	2.34	210346.069	ug/L	44.000
L	U	238	100.0000	3.06	923553.826	ug/L	81.334
⌈>	Sc-1	45			1009117.202	ug/L	1031328.622
|	Cr	50	100.0000	2.83	12990.458	ug/L	16.594

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└	Cr	53	100.0000	1.79	32329.404	ug/L	531.349
┌	Ni	61	100.0000	28.84	10987.318	ug/L	7788.670
│	Cu	63	100.0000	4.12	190528.926	ug/L	1119.402
└>	Ge	74			569113.178	ug/L	563268.085
┌	Ag	109	100.0000	1.54	288629.800	ug/L	109.334
└>	In-1	115			334186.386	ug/L	341785.493
┌	Pb	206	100.0000	5.97	409.343	ug/L	0.667
│	Pb	207	100.0000	2.93	63107.703	ug/L	18.667
└>	Ho-1	165			217823.114	ug/L	222639.936
┌	Se	78	100.0000	6.38	17066.509	ug/L	4554.284
│>	Ge-1	72			403379.936	ug/L	397626.546
│	Br	79			1354.101	ug/L	1439.448
│	Kr	83			23.579	ug/L	21.882
└	Se	76	100.0000	113.94	155236.892	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45				
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72				
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115				
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165				
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:31:22
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.361
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	50.0752	3.61	7101.441	ug/L	2.000
|	Al	27	52.1975	3.40	117669.020	ug/L	6929.352
L>	Sc	45			1016084.852	ug/L	1031328.622
⌈	V	51	51.9802	4.06	157564.021	ug/L	1364.498
|	Cr	52	51.6115	1.63	141649.758	ug/L	5210.827
|	Mn	55	51.0885	1.50	184538.155	ug/L	644.023
|	Fe	57	2551.6811	1.73	211712.596	ug/L	12591.175
|	Co	59	51.7196	1.05	183322.993	ug/L	58.667
|	Ni	60	52.5402	1.48	41730.094	ug/L	44.357
|	Cu	65	50.9667	4.13	48307.847	ug/L	175.024
|>	Ge	72			401587.392	ug/L	397626.546
|	Zn	68	51.4375	0.81	16086.221	ug/L	214.003
|	As	75	51.2325	5.45	30592.494	ug/L	-518.226
L	Se	82	50.1420	3.30	2601.715	ug/L	42.334
⌈	Mo	97	50.6016	1.68	36062.061	ug/L	82.000
|	Ag	107	51.1738	1.16	161010.029	ug/L	121.334
|>	In	115			336105.844	ug/L	341785.493
|	Cd	111	50.8726	2.73	31507.169	ug/L	5.186
|	Sn	117	51.6728	0.97	25838.000	ug/L	40.667
|	Sb	121	51.0725	1.96	94743.212	ug/L	67.334
L	Ba	135	50.5174	1.96	23899.875	ug/L	29.951
⌈>	Ho	165			220237.875	ug/L	222639.936
|	Tl	205	50.3654	1.86	124239.321	ug/L	26.000
|	Pb	208	50.4820	3.32	107393.614	ug/L	44.000
L	U	238	50.6621	3.39	473217.720	ug/L	81.334
⌈>	Sc-1	45			1016084.852	ug/L	1031328.622
|	Cr	50	52.0779	0.35	6821.045	ug/L	16.594

L	Cr	53	50.5628	2.44	16716.693	ug/L	531.349
Γ	Ni	61	45.6353	37.94	9276.070	ug/L	7788.670
I	Cu	63	52.0033	3.31	99495.264	ug/L	1119.402
L>	Ge	74			568123.173	ug/L	563268.085
Γ	Ag	109	51.0310	1.12	148200.258	ug/L	109.334
L>	In-1	115			336105.844	ug/L	341785.493
Γ	Pb	206	54.3663	13.93	225.336	ug/L	0.667
I	Pb	207	50.3461	1.80	32137.378	ug/L	18.667
L>	Ho-1	165			220237.875	ug/L	222639.936
Γ	Se	78	52.1548	4.87	11069.797	ug/L	4554.284
I>	Ge-1	72			401587.392	ug/L	397626.546
I	Br	79			1305.427	ug/L	1439.448
I	Kr	83			36.950	ug/L	21.882
L	Se	76	69.2024	142.12	153252.146	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9	100.150			
	Al	27	104.395			
>	Sc	45		98.522		
	V	51	103.960			
	Cr	52	103.223			
	Mn	55	102.177			
	Fe	57	102.067			
	Co	59	103.439			
	Ni	60	105.080			
	Cu	65	101.933			
>	Ge	72		100.996		
	Zn	68	102.875			
	As	75	102.465			
	Se	82	100.284			
	Mo	97	101.203			
	Ag	107	102.348			
>	In	115		98.338		
	Cd	111	101.745			
	Sn	117	103.346			
	Sb	121	102.145			
	Ba	135	101.035			
>	Ho	165		98.921		
	Tl	205	100.731			
	Pb	208	100.964			
	U	238	101.324			
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:35:04
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.362
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	-0.0000	84236.34	2.000	ug/L	2.000
|	Al	27	-0.8044	3.75	5160.798	ug/L	6929.352
L>	Sc	45			1024577.207	ug/L	1031328.622
⌈	V	51	0.0112	926.80	1429.512	ug/L	1364.498
|	Cr	52	-0.0880	76.36	5104.100	ug/L	5210.827
|	Mn	55	-0.0159	78.84	602.687	ug/L	644.023
|	Fe	57	-5.4188	46.67	12476.092	ug/L	12591.175
|	Co	59	-0.0013	272.71	55.334	ug/L	58.667
|	Ni	60	-0.0085	107.97	38.541	ug/L	44.357
|	Cu	65	-0.0302	80.10	150.400	ug/L	175.024
|>	Ge	72			407585.939	ug/L	397626.546
|	Zn	68	-0.0488	305.63	204.002	ug/L	214.003
|	As	75	0.0770	152.20	-482.964	ug/L	-518.226
L	Se	82	-0.1512	32.86	35.586	ug/L	42.334
⌈	Mo	97	0.0530	24.35	119.334	ug/L	82.000
|	Ag	107	-0.0127	56.62	80.000	ug/L	121.334
|>	In	115			339123.882	ug/L	341785.493
|	Cd	111	0.0021	319.48	6.452	ug/L	5.186
|	Sn	117	0.1540	11.33	118.001	ug/L	40.667
|	Sb	121	0.0441	11.38	149.335	ug/L	67.334
L	Ba	135	-0.0066	258.44	26.629	ug/L	29.951
⌈>	Ho	165			221638.012	ug/L	222639.936
|	Tl	205	-0.0008	268.42	24.000	ug/L	26.000
|	Pb	208	-0.0005	812.58	42.667	ug/L	44.000
L	U	238	0.0083	61.58	158.668	ug/L	81.334
⌈>	Sc-1	45			1024577.207	ug/L	1031328.622
|	Cr	50	-0.0342	1051.67	12.139	ug/L	16.594

L	Cr	53	-0.3124	60.39	426.677	ug/L	531.349
Γ	Ni	61	-27.1669	83.21	7064.089	ug/L	7788.670
|	Cu	63	-0.0895	10.02	968.718	ug/L	1119.402
L>	Ge	74			573579.406	ug/L	563268.085
Γ	Ag	109	-0.0143	19.77	66.667	ug/L	109.334
L>	In-1	115			339123.882	ug/L	341785.493
Γ	Pb	206	0.0006	45639.87	0.667	ug/L	0.667
|	Pb	207	-0.0102	31.80	12.000	ug/L	18.667
L>	Ho-1	165			221638.012	ug/L	222639.936
Γ	Se	78	1.2858	110.83	4828.421	ug/L	4554.284
|>	Ge-1	72			407585.939	ug/L	397626.546
|	Br	79			1209.414	ug/L	1439.448
|	Kr	83			23.064	ug/L	21.882
L	Se	76	7.2633	1989.93	152846.985	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		99.345		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		102.505		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		99.221		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		99.550		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSA

Sample Description: ICSA
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:39:08
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.363
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	0.0111	100.46	2.667	ug/L	2.000
	Al	27	112503.9031	5.40	180209614.210	ug/L	6929.352
>	Sc	45			767423.982	ug/L	1031328.622
	V	51	0.8056	31.96	3256.051	ug/L	1364.498
	Cr	52	4.4343	4.91	14589.699	ug/L	5210.827
	Mn	55	1.3300	3.99	4671.200	ug/L	644.023
	Fe	57	94618.6184	6.96	6345923.395	ug/L	12591.175
	Co	59	0.5731	7.18	1794.177	ug/L	58.667
	Ni	60	12.6691	2.81	8675.422	ug/L	44.357
	Cu	65	3.0360	3.75	2619.268	ug/L	175.024
>	Ge	72			345272.959	ug/L	397626.546
	Zn	68	14.7081	5.11	4082.917	ug/L	214.003
	As	75	-0.0124	4079.91	-453.012	ug/L	-518.226
	Se	82	1.6667	21.09	109.762	ug/L	42.334
	Mo	97	2115.4874	3.58	1179346.255	ug/L	82.000
	Ag	107	-0.0136	21.27	60.000	ug/L	121.334
>	In	115			263686.295	ug/L	341785.493
	Cd	111	6.9241	11.38	3360.166	ug/L	5.186
	Sn	117	0.2414	13.44	126.001	ug/L	40.667
	Sb	121	0.1986	3.08	340.673	ug/L	67.334
	Ba	135	0.0300	19.51	34.275	ug/L	29.951
>	Ho	165			169636.503	ug/L	222639.936
	Tl	205	-0.0027	75.99	14.667	ug/L	26.000
	Pb	208	0.1111	15.60	215.336	ug/L	44.000
	U	238	0.0033	123.66	85.334	ug/L	81.334
>	Sc-1	45			767423.982	ug/L	1031328.622
	Cr	50	-717.3540	10.25	-70954.430	ug/L	16.594

L	Cr	53	47.6868	1.82	11925.820	ug/L	531.349
⌈	Ni	61	86.6119	18.20	8082.262	ug/L	7788.670
¦	Cu	63	3.6103	2.28	6090.039	ug/L	1119.402
L>	Ge	74			434774.439	ug/L	563268.085
⌈	Ag	109	0.0127	81.91	113.334	ug/L	109.334
L>	In-1	115			263686.295	ug/L	341785.493
⌈	Pb	206	0.6798	54.40	2.667	ug/L	0.667
|	Pb	207	0.0919	23.48	59.334	ug/L	18.667
L>	Ho-1	165			169636.503	ug/L	222639.936
⌈	Se	78	-2.8354	19.37	3651.168	ug/L	4554.284
|>	Ge-1	72			345272.959	ug/L	397626.546
|	Br	79			2187.597	ug/L	1439.448
|	Kr	83			435.427	ug/L	21.882
L	Se	76	-337.6217	28.59	116845.635	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		74.411		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		86.833		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		77.150		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		76.193		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: ICSAB

Sample Description: ICSAB
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:42:58
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\ICSA.364
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 7
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	Be	9	116.0548	3.48	12253.587	ug/L	2.000
	Al	27	115996.0190	2.27	183472056.646	ug/L	6929.352
>	Sc	45			757028.417	ug/L	1031328.622
	V	51	93.4728	4.54	249378.222	ug/L	1364.498
	Cr	52	92.8363	3.19	221377.900	ug/L	5210.827
	Mn	55	89.4602	6.36	284917.657	ug/L	644.023
	Fe	57	95238.0625	4.79	6571229.535	ug/L	12591.175
	Co	59	87.4580	2.99	273816.213	ug/L	58.667
	Ni	60	98.8807	0.25	69351.382	ug/L	44.357
	Cu	65	85.6513	3.20	71611.674	ug/L	175.024
>	Ge	72			354781.499	ug/L	397626.546
	Zn	68	101.8361	0.62	27952.919	ug/L	214.003
	As	75	93.4331	3.15	49660.658	ug/L	-518.226
	Se	82	94.1091	1.23	4280.804	ug/L	42.334
	Mo	97	2232.8174	0.58	1241620.152	ug/L	82.000
	Ag	107	92.5890	0.62	227729.739	ug/L	121.334
>	In	115			262824.799	ug/L	341785.493
	Cd	111	105.5797	0.98	51131.267	ug/L	5.186
	Sn	117	101.1389	1.81	39517.726	ug/L	40.667
	Sb	121	104.7454	3.61	151897.554	ug/L	67.334
	Ba	135	102.3653	1.47	37847.432	ug/L	29.951
>	Ho	165			167600.843	ug/L	222639.936
	Tl	205	105.5466	0.81	198120.356	ug/L	26.000
	Pb	208	106.3281	0.66	172119.495	ug/L	44.000
	U	238	112.8439	0.42	802136.030	ug/L	81.334
>	Sc-1	45			757028.417	ug/L	1031328.622
	Cr	50	-553.4661	28.78	-53913.149	ug/L	16.594

L	Cr	53	151.5803	2.30	36555.382	ug/L	531.349
⌈	Ni	61	192.0178	5.30	10933.905	ug/L	7788.670
|	Cu	63	96.8571	4.36	145434.028	ug/L	1119.402
L>	Ge	74			448335.681	ug/L	563268.085
⌈	Ag	109	91.6656	1.11	208102.371	ug/L	109.334
L>	In-1	115			262824.799	ug/L	341785.493
⌈	Pb	206	96.8995	8.17	305.338	ug/L	0.667
|	Pb	207	104.5341	1.70	50767.386	ug/L	18.667
L>	Ho-1	165			167600.843	ug/L	222639.936
⌈	Se	78	95.4457	1.91	14524.069	ug/L	4554.284
|>	Ge-1	72			354781.499	ug/L	397626.546
|	Br	79			2174.927	ug/L	1439.448
|	Kr	83			412.660	ug/L	21.882
L	Se	76	-297.4387	23.84	121644.165	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		73.403		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		89.225		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		76.898		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		75.279		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Al above linear range

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: RINSE

Sample Description: Rinse Blank following ICSAB
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:46:45
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\RINSE.365
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0008	1774.27	2.000	ug/L	2.000
|	Al	27	0.0348	1325.25	6597.090	ug/L	6929.352
⌊>	Sc	45			971678.481	ug/L	1031328.622
⌈	V	51	-0.0231	414.76	1244.615	ug/L	1364.498
|	Cr	52	-0.0127	345.41	4971.359	ug/L	5210.827
|	Mn	55	-0.0004	6310.53	617.355	ug/L	644.023
|	Fe	57	4.9220	71.63	12453.653	ug/L	12591.175
|	Co	59	-0.0019	28.08	50.000	ug/L	58.667
|	Ni	60	-0.0141	45.91	31.969	ug/L	44.357
|	Cu	65	0.0202	13.26	186.228	ug/L	175.024
|>	Ge	72			381784.226	ug/L	397626.546
|	Zn	68	-0.1437	50.35	163.335	ug/L	214.003
|	As	75	0.0125	634.91	-490.227	ug/L	-518.226
⌊	Se	82	0.1344	127.77	47.198	ug/L	42.334
⌈	Mo	97	2.2505	16.58	1636.150	ug/L	82.000
|	Ag	107	-0.0175	9.87	62.667	ug/L	121.334
|>	In	115			327178.741	ug/L	341785.493
|	Cd	111	0.0046	246.33	7.722	ug/L	5.186
|	Sn	117	0.0817	20.08	78.667	ug/L	40.667
|	Sb	121	0.0075	98.42	78.000	ug/L	67.334
⌊	Ba	135	-0.0262	24.92	16.630	ug/L	29.951
⌈>	Ho	165			215290.126	ug/L	222639.936
|	Tl	205	-0.0016	27.87	21.333	ug/L	26.000
|	Pb	208	0.0003	2170.49	43.333	ug/L	44.000
⌊	U	238	0.0088	19.48	158.668	ug/L	81.334
⌈>	Sc-1	45			971678.481	ug/L	1031328.622
|	Cr	50	-0.0224	1916.15	12.553	ug/L	16.594

L	Cr	53	0.6220	46.85	691.360	ug/L	531.349
⌈	Ni	61	-3.6582	296.48	7345.639	ug/L	7788.670
|	Cu	63	0.0636	77.00	1184.077	ug/L	1119.402
L>	Ge	74			539004.320	ug/L	563268.085
⌈	Ag	109	-0.0111	23.16	73.334	ug/L	109.334
L>	In-1	115			327178.741	ug/L	341785.493
⌈	Pb	206	0.1696	168.09	1.333	ug/L	0.667
|	Pb	207	-0.0129	87.09	10.000	ug/L	18.667
L>	Ho-1	165			215290.126	ug/L	222639.936
⌈	Se	78	2.9599	20.15	4721.712	ug/L	4554.284
|>	Ge-1	72			381784.226	ug/L	397626.546
|	Br	79			1100.067	ug/L	1439.448
|	Kr	83			21.113	ug/L	21.882
L	Se	76	-1.0835	2284.91	142894.522	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		94.216		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		96.016		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		95.726		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		96.699		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1

Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 3

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:50:27
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 3.366
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 8
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	48.5862	5.01	6821.228	ug/L	2.000
|	Al	27	51.4508	2.76	114937.533	ug/L	6929.352
L>	Sc	45			1006071.783	ug/L	1031328.622
⌈	V	51	50.9791	2.96	153873.393	ug/L	1364.498
|	Cr	52	51.0344	2.14	139484.707	ug/L	5210.827
|	Mn	55	49.7705	3.32	178935.945	ug/L	644.023
|	Fe	57	2518.1396	2.81	208134.055	ug/L	12591.175
|	Co	59	50.3063	1.87	177479.110	ug/L	58.667
|	Ni	60	51.1605	1.94	40446.321	ug/L	44.357
|	Cu	65	50.7988	2.07	47931.721	ug/L	175.024
|>	Ge	72			399735.134	ug/L	397626.546
|	Zn	68	50.1735	2.68	15623.418	ug/L	214.003
|	As	75	50.1658	5.46	29798.077	ug/L	-518.226
L	Se	82	49.9211	1.73	2578.946	ug/L	42.334
⌈	Mo	97	49.5728	3.02	35250.223	ug/L	82.000
|	Ag	107	50.0982	2.08	157282.975	ug/L	121.334
|>	In	115			335417.467	ug/L	341785.493
|	Cd	111	50.3830	4.20	31131.343	ug/L	5.186
|	Sn	117	50.3049	2.26	25099.270	ug/L	40.667
|	Sb	121	50.2624	3.44	93029.738	ug/L	67.334
L	Ba	135	49.8180	4.16	23514.232	ug/L	29.951
⌈>	Ho	165			218971.950	ug/L	222639.936
|	Tl	205	50.3402	3.21	123446.135	ug/L	26.000
|	Pb	208	51.1511	4.85	108173.129	ug/L	44.000
L	U	238	50.8207	4.58	471886.155	ug/L	81.334
⌈>	Sc-1	45			1006071.783	ug/L	1031328.622
|	Cr	50	49.8716	2.83	6467.666	ug/L	16.594

L	Cr	53	50.3087	1.60	16471.576	ug/L	531.349
⌈	Ni	61	36.8719	34.85	8879.672	ug/L	7788.670
|	Cu	63	51.3876	3.96	96957.426	ug/L	1119.402
L>	Ge	74			560139.713	ug/L	563268.085
⌈	Ag	109	50.2537	2.26	145621.787	ug/L	109.334
L>	In-1	115			335417.467	ug/L	341785.493
⌈	Pb	206	49.2857	9.48	203.336	ug/L	0.667
|	Pb	207	49.6229	1.82	31493.800	ug/L	18.667
L>	Ho-1	165			218971.950	ug/L	222639.936
⌈	Se	78	51.3879	10.96	10919.042	ug/L	4554.284
|>	Ge-1	72			399735.134	ug/L	397626.546
|	Br	79			1081.398	ug/L	1439.448
|	Kr	83			23.178	ug/L	21.882
L	Se	76	14.4127	720.38	150235.728	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9	97.172			
	Al	27	102.902			
>	Sc	45		97.551		
	V	51	101.958			
	Cr	52	102.069			
	Mn	55	99.541			
	Fe	57	100.726			
	Co	59	100.613			
	Ni	60	102.321			
	Cu	65	101.598			
>	Ge	72		100.530		
	Zn	68	100.347			
	As	75	100.332			
	Se	82	99.842			
	Mo	97	99.146			
	Ag	107	100.196			
>	In	115		98.137		
	Cd	111	100.766			
	Sn	117	100.610			
	Sb	121	100.525			
	Ba	135	99.636			
>	Ho	165		98.353		
	Tl	205	100.680			
	Pb	208	102.302			
	U	238	101.641			
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

STL - Denver Elan 6000 ICPMS 1 Analyst: LRD

Quantitative Analysis Report

Sample ID: QC Std 4

Sample Description:
Batch ID:
Sample Date/Time: Tuesday, July 17, 2007 10:54:10
Method File: C:\elandata\Method\6020.mth
Dataset File: C:\Elandata\DataSet\071607A\QC Std 4.367
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 1
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
⌈	Be	9	0.0049	333.33	2.667	ug/L	2.000
|	Al	27	-0.6234	8.81	5552.362	ug/L	6929.352
L>	Sc	45			1025409.252	ug/L	1031328.622
⌈	V	51	0.0139	214.01	1398.881	ug/L	1364.498
|	Cr	52	-0.0085	852.58	5165.468	ug/L	5210.827
|	Mn	55	-0.0101	111.85	606.020	ug/L	644.023
|	Fe	57	4.7509	109.78	12897.040	ug/L	12591.175
|	Co	59	-0.0030	137.39	48.000	ug/L	58.667
|	Ni	60	-0.0184	38.16	29.816	ug/L	44.357
|	Cu	65	-0.0360	52.81	141.034	ug/L	175.024
|>	Ge	72			395947.587	ug/L	397626.546
|	Zn	68	-0.1658	16.45	162.668	ug/L	214.003
|	As	75	-0.0155	948.74	-524.206	ug/L	-518.226
L	Se	82	0.0771	165.11	46.086	ug/L	42.334
⌈	Mo	97	0.1799	9.74	207.336	ug/L	82.000
|	Ag	107	-0.0134	42.12	76.667	ug/L	121.334
|>	In	115			334187.412	ug/L	341785.493
|	Cd	111	0.0074	117.37	9.627	ug/L	5.186
|	Sn	117	0.0958	37.84	87.334	ug/L	40.667
|	Sb	121	0.0284	79.06	118.001	ug/L	67.334
L	Ba	135	-0.0170	54.22	21.295	ug/L	29.951
⌈>	Ho	165			220115.361	ug/L	222639.936
|	Tl	205	-0.0029	66.66	18.667	ug/L	26.000
|	Pb	208	-0.0048	133.05	33.333	ug/L	44.000
L	U	238	0.0069	26.80	144.668	ug/L	81.334
⌈>	Sc-1	45			1025409.252	ug/L	1031328.622
|	Cr	50	0.2761	63.52	53.049	ug/L	16.594

L	Cr	53	-0.0054	1833.84	526.682	ug/L	531.349
⌈	Ni	61	-2.0531	256.52	7652.554	ug/L	7788.670
|	Cu	63	-0.1487	13.33	832.705	ug/L	1119.402
L>	Ge	74			557995.014	ug/L	563268.085
⌈	Ag	109	-0.0135	35.07	68.000	ug/L	109.334
L>	In-1	115			334187.412	ug/L	341785.493
⌈	Pb	206	0.3195	148.90	2.000	ug/L	0.667
|	Pb	207	-0.0196	27.37	6.000	ug/L	18.667
L>	Ho-1	165			220115.361	ug/L	222639.936
⌈	Se	78	1.4744	130.99	4711.649	ug/L	4554.284
|>	Ge-1	72			395947.587	ug/L	397626.546
|	Br	79			1013.390	ug/L	1439.448
|	Kr	83			29.136	ug/L	21.882
L	Se	76	17.0296	619.57	148885.587	ug/L	148870.112

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference
	Be	9				
	Al	27				
>	Sc	45		99.426		
	V	51				
	Cr	52				
	Mn	55				
	Fe	57				
	Co	59				
	Ni	60				
	Cu	65				
>	Ge	72		99.578		
	Zn	68				
	As	75				
	Se	82				
	Mo	97				
	Ag	107				
>	In	115		97.777		
	Cd	111				
	Sn	117				
	Sb	121				
	Ba	135				
>	Ho	165		98.866		
	Tl	205				
	Pb	208				
	U	238				
>	Sc-1	45				
	Cr	50				
	Cr	53				
	Ni	61				
	Cu	63				
>	Ge	74				
	Ag	109				
>	In-1	115				
	Pb	206				
	Pb	207				
>	Ho-1	165				
	Se	78				
>	Ge-1	72				
	Br	79				
	Kr	83				
	Se	76				

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Metals

Supporting Documentation

Sample Sequence, Instrument Printouts

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID: D7F270299

Client: Parsons

Batch(es) #: 7186588

Associated Samples: 1-11

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: 7/10/07

Metals Raw Data RoadMap

LotID		Metal	WorkOrder	Anal Date	TestDesc	Batch	File Id	Instr
D7F270299	1	HG	J1XHL1AC	20070709	M7471_S	7186508	B70709B	019
D7F270299	2	HG	J1XHR1AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	3	HG	J1XHT1AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	4	HG	J1XHV1AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	5	HG	J1XHX1AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	6	HG	J1XH01AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	7 D	HG	J1XH11CU	20070709	M7471_S	7186508	B70709B	019
D7F270299	7 S	HG	J1XH11CT	20070709	M7471_S	7186508	B70709B	019
D7F270299	7	HG	J1XH11AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	8	HG	J1XH41AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	9	HG	J1XH61AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	10	HG	J1XH81AH	20070709	M7471_S	7186508	B70709B	019
D7F270299	11	HG	J1XH91AH	20070709	M7471_S	7186508	B70709B	019

METALS
PREPARATION LOGS
CVAA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUPPLEMENTAL METALS PREP SHEET
(Used in conjunction with METALS PREP LOG/BATCH SUMMARY)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Denver

Hg PREP & ANALYSIS - SOLIDS

SOP: DEN-MT-0016 QC Batch #: 7186508

Prep Date: 7/9/07	Prep By:	Analysis Date: 7/9/07	Analyst:
Balance ID: H53865		***Thermometer ID:*** MT 4205	

Digestion Cycles	Start Time	Temp °C	End Time	Temp °C
	12:15	93	12:17	90
	13:55	93	14:25	93

Purple color persists or black ppt present: ☑ Yes ☐ No If "No", explain in Comments below.

Digestion Tube Lot # : 45066-25150 **Syringe Filter Lot # :** R6HN60079

Reagents Used

Reagent	Manufacturer	Lot #	Standards Log #	Volume (mL)
HNO_3	JT Baker	C38065		1.9
HCl	JT Baker	C38032		0.6
1.3% $SnCl_2$	JT Baker	C46596	STD-3136-07	added by instrument
NaCl / NH_2OH	Fisher	C51583	STD-3184-07	3
	Fisher	C39632		
$KMnO_4$	JT Baker	C30618	STD-3175-07	as needed

Parent Calibration Stock Standards

	Lot #	Verification #	Exp. Date
Second Source	A2-HG02049	STD-2102-07	05/02/07
Primary Calibration	F00424	STD-1757-07	04/16/08

Standards Preparation

Standards	Final Conc	Parent Standard	Standards Log #	Vol (mL)	Pipette
Cal Working	10 mg/L	Primary Cal	See Attached Standards Log Printouts	1.00	20
Daily Cal Working	100 ug/L	Cal Working		1.00	20
ICAL Blank	0 ug/L	Daily Cal Working		0.0	-
ICAL 1	0.2 ug/L	Daily Cal Working		0.1	7
ICAL 2	0.5 ug/L	Daily Cal Working		0.25	20
ICAL 3	1.0 ug/L	Daily Cal Working		0.5	20
ICAL 4	2.0 ug/L	Daily Cal Working		1.0	20
ICAL 5	5.0 ug/L	Daily Cal Working		2.5	23
ICAL 6	10 ug/L	Daily Cal Working		5.0	23
ICV Intermed	700 ug/L	ICV Stock		0.70	20
ICV Daily Working	7.0 ug/L	ICV Intermed		0.50	20
CCV	5 ug/L	Daily Cal Working		2.5	23
LCS & MS	833.4 ug/kg	Daily Cal Working		2.5	23
RL	33.3 ug/kg	Daily Cal Working		0.1	7

Second Source ICV Intermediate Standard Prep **Standards Log #:** STD-2639-07

NOTE: Details for each reagent and standard preparation are documented in the attached Standards Preparation Logbook Record.

Comments:

REVIEWED BY: TO **Date:** 7/10/07

RQC057

Severn Trent Laboratories, Inc.
METALS PREP LOG/BATCH SUMMARY

Run Date: 7/05/07
Time: 16:04:16

BATCH NUMBER: **7186508**

PREP DATE: ~~7/05/07~~ 7/9/07
DUE DATE 7/13/07

COMP DATE: 7/05/07
INITIALS: [illegible]

	LOT NUMBER	WORK ORDER	QC	ICP/WEIGHT	HG/WEIGHT	GFA/WEIGHT	FLA/WEIGH
3	D7F270299	J1XHL	MR	_____g	x 0.31 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
4	D7F270299	J1XHR	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
5	D7F270299	J1XHT	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
6	D7F270299	J1XHV	MR	_____g	x 0.31 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
7	D7F270299	J1XHX	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
8	D7F270299	J1XH0	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
9	D7F270299	J1XH1	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
10		J1XH1S		_____g	0.30 g	_____g	_____g
11		J1XH1D	05	_____g	0.30 g	_____g	_____g
12	D7F270299	J1XH4	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
13	D7F270299	J1XH6	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
14	D7F270299	J1XH8	MR	_____g	x 0.29 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
15	D7F270299	J1XH9	MR	_____g	x 0.30 g	_____g	_____g
	SOLID	**TO** DUE DATE:		7/13/07			
1	D7G050000	J2DT6B	MR	_____g	x 0.3 g	_____g	_____g
	SOLID	DUE DATE:		0/00/00			
2		J2DT6C		_____g	0.3 g	_____g	_____g

RQC057 Severn Trent Laboratories, Inc. Run Date: 7/05/07
METALS PREP LOG/BATCH SUMMARY Time: 16:04:16

BATCH NUMBER: **7186508** PREP DATE: ~~7/05/07~~ 7/9/07 COMP DATE: 7/05/07
DUE DATE 7/13/07 INITIALS: _____

LEVEL 2
BLANK AND CHECK STANDARD ON BATCH _____
MS/MSD AND PDS ON BATCH _____
CURVE PREPPED FOR HG _____
CORRECT SPIKES ADDED _____
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG _____

COMMENTS: _____
B-BLANK/C-LCS/D-MSD/I-REANALYSIS/L-LCSD/P-SERIAL DLTN/S-MS/X-SAMP DUP/Y-SAMP CONF/Z-PDS
SPIKING WITNESSED BY _____

ICP ELEMENTS WITHIN THE BATCH:

MS/MSD 1:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 2:	ICP - 1	ICP - 2	GFAA	HG	ODD
MS/MSD 3:	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK :	ICP - 1	ICP - 2	GFAA	HG	ODD
CHECK DUP:	ICP - 1	ICP - 2	GFAA	HG	ODD
STANDARD NUMBERS	_____	_____	____	___	___

METALS
SAMPLE DATA
CVAA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

STL Denver

Standards Preparation Logbook Record

Jul-10-2007

Logbook: \\Arvp2038\StdsLog\metals.std

STD1757-07, 1000 mg/L Hg Calibration Stock Standard (Ultra)

Analyst: wellsd

Vendor: Ultra Scientific (Metals) Lot No.: F00424 Vendor's Expiration Date: 08-31-2008
Solvent: 2% HN03
Date Prep./Opened: 04-16-2007 Date Received: 04-16-2007
Date Expires(1): 04-16-2008 (1 Year)
Date Expires(2): 08-31-2008 (None)

Component	Initial Conc (%)	Final Conc (%)
Mercuric Nitrate	99.9990	99.9990

STD2102-07, Hg Inorganic Ventures ICV 100ppm Std

Analyst: wellsd

Vendor: Inorganic Ventures Lot No.: A2-HG02049 Vendor's Expiration Date: 06-01-2008
Solvent: 3.3%HCl
Date Prep./Opened: 05-02-2007 Date Received: 05-02-2007
Date Expires(1): 05-02-2008 (1 Year)
Date Expires(2): 06-01-2008 (None)

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Hg	100.0000	100.0000

STD2963-07, 10 mg/L Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 100.0000
Date Prep./Opened: 06-18-2007
Date Expires(1): 07-18-2007 (1 Month)
Date Expires(2): 07-18-2007 (1 Month)

Parent Std No.: STD1757-07, 1000 mg/L Hg Calibration Stock Standard (Ultra)Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 04-16-2008 Parent Date Expires(2): 08-31-2008

Component	Initial Conc (%)	Final Conc (mg/L)
Mercuric Nitrate	99.9990	9.9999

STD3153-07, Hg Inorganic Ventures ICV 700ppb

Analyst: wellsd

Solvent: 1% HNO3 Lot No.: C35038 Volume (ml): 100.0000
Date Prep./Opened: 07-03-2007
Date Expires(1): 08-03-2007 (1 Month)
Date Expires(2): 06-01-2008 (None)

Parent Std No.: STD2102-07, Hg Inorganic Ventures ICV 100ppm Std — Aliquot Amount (ml): 0.7000
Parent Date Expires(1): 05-02-2008 Parent Date Expires(2): 06-01-2008

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Hg	100.0000	700.0000

STD3278-07, 100 ppb Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 100.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)
Date Expires(2): 12-31-2007 (None)

Parent Std No.: STD2963-07, 10 mg/L Hg Calibration Std — Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 07-18-2007 Parent Date Expires(2): 07-18-2007

Component	Initial Conc (mg/L)	Final Conc (ug/ml)
Mercuric Nitrate	9.9999	0.1000

STD3287-07, Blank Daily Hg Calibration Std

Analyst: wellsd

Vendor: Baker Lot No.: C35038
Solvent: 1% HN03
Date Prep./Opened: 07-09-2007
Date Expires(1): 01-09-2008 (6 Months)
Date Expires(2): 07-09-2008 (1 Year)

Component	Initial Conc (%)	Final Conc (%)
Nitric Acid	1.0000	1.0000

STD3288-07, 0.2 ppb Daily Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 50.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)

Parent Std No.: STD3278-07, 100 ppb Hg Calibration Std — Aliquot Amount (ml): 0.1000
Parent Date Expires(1): 07-10-2007 Parent Date Expires(2): 12-31-2007

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	0.1000	0.0002

STD3289-07, 0.5 ppb Daily Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 50.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)

Parent Std No.: STD3278-07, 100 ppb Hg Calibration Std — Aliquot Amount (ml): 0.2500
Parent Date Expires(1): 07-10-2007 Parent Date Expires(2): 12-31-2007

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	0.1000	0.0005

STD3290-07, 1.0 ppb Daily Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 50.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)

Parent Std No.: STD3278-07, 100 ppb Hg Calibration Std Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 07-10-2007 Parent Date Expires(2): 12-31-2007

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	0.1000	0.0010

STD3291-07, 2.0 ppb Daily Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 50.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)

Parent Std No.: STD3278-07, 100 ppb Hg Calibration Std Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 07-10-2007 Parent Date Expires(2): 12-31-2007

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	0.1000	0.0020

STD3292-07, 5.0 ppb Daily Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 50.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)

Parent Std No.: STD3278-07, 100 ppb Hg Calibration Std Aliquot Amount (ml): 2.5000
Parent Date Expires(1): 07-10-2007 Parent Date Expires(2): 12-31-2007

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	0.1000	0.0050

STD3293-07, 10.0 Daily Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: C35038 Volume (ml): 50.0000
Date Prep./Opened: 07-09-2007 Date Consumed: 12-06-2006
Date Expires(1): 07-10-2007 (1 Day)

Parent Std No.: STD3278-07, 100 ppb Hg Calibration Std Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 07-10-2007 Parent Date Expires(2): 12-31-2007

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	0.1000	0.0100

STD3294-07, Hg Daily ICV 7ppb Calibration Std

Analyst: wellsd

Solvent: 1% HNO3 Lot No.: C35038 Volume (ml): 50.0000
Date Prep./Opened: 07-09-2007
Date Expires(1): 07-10-2007 (1 Day)

Parent Std No.: STD3153-07, Hg Inorganic Ventures ICV 700ppb Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 08-03-2007 Parent Date Expires(2): 06-01-2008

Component	Initial Conc (ug/L)	Final Conc (ug/L)
Hg	700.0000	7.0000

Reviewed By: 7/10/07
B70709D

Table of Contents

STL Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) Instrument: B (019) Reported: 07/10/07 10:18:21

Sequence: B70709B **Date:** 07/09/07 18:24 **Analyst:** DAW **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
1	Calib Blank				0.00	1.0	0.00	µg/L		07/09/07 18:24		☐
2	STD1	= 0.200			0.00	1.0	0.00	µg/L		07/09/07 18:25		☐
3	STD2	= 0.500			0.00	1.0	0.00	µg/L		07/09/07 18:27		☐
4	STD3	= 1.00			0.00	1.0	0.00	µg/L		07/09/07 18:29		☐
5	STD4	= 2.00			0.00	1.0	0.00	µg/L		07/09/07 18:31		☐
6	STD5	= 5.00			0.00	1.0	0.00	µg/L		07/09/07 18:32		☐
7	STD6	= 10.0			0.00	1.0	0.00	µg/L		07/09/07 18:34		☐
8	ICB				0.02	1.0	0.02	µg/L		07/09/07 18:37		☐
9	ICV	= 7.00			7.27	1.0	7.27	µg/L	103.9%	07/09/07 18:39		☐
10	RL	= 0.200			0.19	1.0	0.19	µg/L		07/09/07 18:41		☐
11	CCV	= 5.00			4.76	1.0	4.76	µg/L	95.2%	07/09/07 18:42		☐
12	CCB				0.02	1.0	0.02	µg/L		07/09/07 18:44		☐
13	~~IDLBLANK~~				~~0.03~~	~~1.0~~	~~0.03~~	~~µg/L~~		~~07/09/07 18:46~~		☐
14	IDL1			AQUEOUS	0.11	1.0	0.11	µg/L		~~07/09/07~~ 18:47		☐
15	IDL2			AQUEOUS	0.11	1.0	~~0.11~~	~~µg/L~~		07/09/07 18:49		☐
16	IDL3			AQUEOUS	~~0.11~~	1.0	0.11	µg/L		07/09/07 18:51		☐
17	IDL4			AQUEOUS	0.10	1.0	0.10	µg/L		07/09/07 18:52		☐
18	IDL5			AQUEOUS	0.11	1.0	0.11	µg/L		07/09/07 18:54		☐
19	IDL6			AQUEOUS	0.10	1.0	0.10	µg/L		07/09/07 18:56		☐
20	~~IDL7~~			~~AQUEOUS~~	~~0.11~~	~~1.0~~	~~0.11~~	~~µg/L~~		~~07/09/07 18:57~~		☐
21	J2DT6B	D7G050000	7186508		0.03	1.0	4.19	µg/L		07/09/07 18:59		☐
22	J2DT6C	D7G050000 = 833	7186508		4.86	1.0	810.38	µg/L	97.2%	07/09/07 19:01		☐
23	CCV	= 5.00			4.72	1.0	4.72	µg/L	94.5%	07/09/07 19:03		☐
24	CCB				0.03	1.0	0.03	µg/L		07/09/07 19:04		☐
25	J1XHL	D7F270299-1	7186508	SOLID	0.20	1.0	31.55	µg/L		07/09/07 19:06		☐
26	J1XHR	D7F270299-2	7186508	SOLID	0.20	1.0	33.08	µg/L		07/09/07 19:08		☐
27	J1XHT	D7F270299-3	7186508	SOLID	0.26	1.0	43.94	µg/L		07/09/07 19:09		☐
28	J1XHV	D7F270299-4	7186508	SOLID	0.20	1.0	32.67	µg/L		07/09/07 19:11		☐
29	J1XHX	D7F270299-5	7186508	SOLID	0.24	1.0	39.27	µg/L		07/09/07 19:13		☐
30	J1XH0	D7F270299-6	7186508	SOLID	0.11	1.0	18.35	µg/L		07/09/07 19:15		☐
31	J1XH1	D7F270299-7	7186508	SOLID	0.06	1.0	9.81	µg/L		07/09/07 19:16		☐
32	J1XH1S	D7F270299-7 = 833	7186508	SOLID	4.99	1.0	832.48	µg/L		07/09/07 19:18		☐
33	J1XH1D	D7F270299-7 = 833	7186508	SOLID	4.99	1.0	831.09	µg/L		07/09/07 19:19		☐
34	J1XH1P5	D7F270299	7186508	SOLID	0.03	5.0	5.69	µg/L		07/09/07 19:21		☐

7/10/07

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STL Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) Instrument: B (019) Reported: 07/10/07 10:18:21

Sequence: B70709B **Date:** 07/09/07 18:24 **Analyst:** DAW **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	CCV	= 5.00			5.05	1.0	5.05	µg/L	101.0%	07/09/07 19:23		☐
36	CCB				0.02	1.0	0.02	µg/L		07/09/07 19:25		☐
37	J1XH4	D7F270299-8	7186508	SOLID	0.25	1.0	41.05	µg/L		07/09/07 19:26		☐
38	J1XH6	D7F270299-9	7186508	SOLID	0.41	1.0	68.09	µg/L		07/09/07 19:28		☐
39	J1XH8	D7F270299-10	7186508	SOLID	0.19	1.0	32.91	µg/L		07/09/07 19:30		☐
40	J1XH9	D7F270299-11	7186508	SOLID	0.14	1.0	23.62	µg/L		07/09/07 19:31		☐
41	J2CATB	D7G040000	7185080		0.02	1.0	2.62	µg/L		07/09/07 19:33		☐
42	J2CATC	D7G040000 = 833	7185080		5.00	1.0	833.96	µg/L	100.1%	07/09/07 19:35		☐
43	J1LKN	D7F220289-1	7185080	SOLID	0.14	1.0	23.09	µg/L		07/09/07 19:36		☐
44	J1LKNS	D7F220289-1 = 833	7185080	SOLID	4.98	1.0	829.86	µg/L		07/09/07 19:38		☐
45	J1LKND	D7F220289-1 = 833	7185080	SOLID	4.97	1.0	829.14	µg/L		07/09/07 19:40		☐
46	J1LLD	D7F220289-2	7185080	SOLID	0.08	1.0	12.28	µg/L		07/09/07 19:42		☐
47	CCV	= 5.00			5.02	1.0	5.02	µg/L	100.5%	07/09/07 19:43		☐
48	CCB				0.03	1.0	0.03	µg/L		07/09/07 19:45		☐
49	J1LLG	D7F220289-3	7185080	SOLID	0.43	1.0	74.12	µg/L		07/09/07 19:47		☐
50	J1LLL	D7F220289-4	7185080	SOLID	0.04	1.0	6.11	µg/L		07/09/07 19:48		☐
51	J1LLN	D7F220289-5	7185080	SOLID	0.33	1.0	52.98	µg/L		07/09/07 19:50		☐
52	J1LLP	D7F220289-6	7185080	SOLID	0.14	1.0	22.27	µg/L		07/09/07 19:52		☐
53	J1LLT	D7F220289-7	7185080	SOLID	0.12	1.0	20.61	µg/L		07/09/07 19:53		☐
54	J1LLV	D7F220289-8	7185080	SOLID	0.15	1.0	24.45	µg/L		07/09/07 19:55		☐
55	J1LLX	D7F220289-9	7185080	SOLID	0.16	1.0	27.63	µg/L		07/09/07 19:57		☐
56	J1LL2	D7F220289-10	7185080	SOLID	0.44	1.0	76.52	µg/L		07/09/07 19:58		☐
57	J1LL7	D7F220289-11	7185080	SOLID	0.60	1.0	104.29	µg/L		07/09/07 20:00		☐
58	J1LL8	D7F220289-12	7185080	SOLID	0.09	1.0	15.31	µg/L		07/09/07 20:02		☐
59	CCV	= 5.00			5.01	1.0	5.01	µg/L	100.2%	07/09/07 20:03		☐
60	CCB				0.03	1.0	0.03	µg/L		07/09/07 20:05		☐
61	J1LME	D7F220289-13	7185080	SOLID	0.16	1.0	26.61	µg/L		07/09/07 20:07		☐
62	J1LM1	D7F220289-14	7185080	SOLID	0.12	1.0	19.69	µg/L		07/09/07 20:09		☐
63	J1LM6	D7F220289-15	7185080	SOLID	0.74	1.0	127.56	µg/L		07/09/07 20:10		☐
64	J1LNF	D7F220289-16	7185080	SOLID	0.14	1.0	22.85	µg/L		07/09/07 20:12		☐
65	J2CA0B	D7G040000	7185082		0.02	1.0	2.94	µg/L		07/09/07 20:14		☐
66	J2CA0C	D7G040000 = 833	7185082		4.86	1.0	809.21	µg/L	97.1%	07/09/07 20:15		☐
67	J1NRT	D7F230164-1	7185082	SOLID	0.14	1.0	23.53	µg/L		07/09/07 20:17		☐
68	J1NRTS	D7F230164-1 = 833	7185082	SOLID	4.74	1.0	789.59	µg/L		07/09/07 20:19		☐

STL Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) Instrument: B (019) Reported: 07/10/07 10:18:21

Sequence: B70709B **Date:** 07/09/07 18:24 **Analyst:** DAW **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
69	J1NRTD	D7F230164-1 = 833	7185082	SOLID	4.96	1.0	826.49	µg/L		07/09/07 20:20		☐
70	J1NTD	D7F230164-2	7185082	SOLID	0.08	1.0	13.33	µg/L		07/09/07 20:22		☐
71	CCV	= 5.00			5.02	1.0	5.02	µg/L	100.4%	07/09/07 20:24		☐
72	CCB				0.02	1.0	0.02	µg/L		07/09/07 20:25		☐
73	J1NTJ	D7F230164-3	7185082	SOLID	0.13	1.0	21.71	µg/L		07/09/07 20:27		☐
74	J1NTT	D7F230164-4	7185082	SOLID	0.14	1.0	22.33	µg/L		07/09/07 20:29		☐
75	J1NTV	D7F230164-5	7185082	SOLID	0.12	1.0	19.90	µg/L		07/09/07 20:30		☐
76	J1NTW	D7F230164-6	7185082	SOLID	0.14	1.0	24.09	µg/L		07/09/07 20:32		☐
77	J1RTR	D7F260172-19	7185082	SOLID	0.34	1.0	57.42	µg/L		07/09/07 20:34		☐
78	J1RTT	D7F260172-20	7185082	SOLID	0.56	1.0	94.08	µg/L		07/09/07 20:35		☐
79	J1RTW	D7F260172-21	7185082	SOLID	0.38	1.0	64.76	µg/L		07/09/07 20:37		☐
80	J1RT3	D7F260172-22	7185082	SOLID	0.08	1.0	13.38	µg/L		07/09/07 20:39		☐
81	J1RT7	D7F260172-23	7185082	SOLID	0.05	1.0	8.23	µg/L		07/09/07 20:40		☐
82	J1RT9	D7F260172-24	7185082	SOLID	0.13	1.0	20.68	µg/L		07/09/07 20:42		☐
83	CCV	= 5.00			4.99	1.0	4.99	µg/L	99.8%	07/09/07 20:44		☐
84	CCB				0.02	1.0	0.02	µg/L		07/09/07 20:46		☐
85	J1RVC	D7F260172-25	7185082	SOLID	0.15	1.0	25.28	µg/L		07/09/07 20:47		☐
86	J1RVK	D7F260172-26	7185082	SOLID	0.13	1.0	20.31	µg/L		07/09/07 20:49		☐
87	J1RVT	D7F260172-27	7185082	SOLID	0.06	1.0	9.62	µg/L		07/09/07 20:51		☐
88	J1RV0	D7F260172-28	7185082	SOLID	0.13	1.0	21.26	µg/L		07/09/07 20:52		☐
89	J2CAWB	D7G040000	7185081		0.02	1.0	3.12	µg/L		07/09/07 20:54		☐
90	J2CAWC	D7G040000 = 833	7185081		4.99	1.0	831.82	µg/L	99.8%	07/09/07 20:56		☐
91	J1RPW	D7F260172-1	7185081	SOLID	0.31	1.0	50.93	µg/L		07/09/07 20:57		☐
92	J1RP7	D7F260172-2	7185081	SOLID	0.08	1.0	12.38	µg/L		07/09/07 20:59		☐
93	J1RP9	D7F260172-3	7185081	SOLID	0.08	1.0	13.66	µg/L		07/09/07 21:01		☐
94	J1RQK	D7F260172-4	7185081	SOLID	0.11	1.0	18.07	µg/L		07/09/07 21:02		☐
95	CCV	= 5.00			4.94	1.0	4.94	µg/L	98.9%	07/09/07 21:04		☐
96	CCB				0.02	1.0	0.02	µg/L		07/09/07 21:06		☐
97	J1RQ7	D7F260172-5	7185081	SOLID	0.03	1.0	4.57	µg/L		07/09/07 21:07		☐
98	J1RRA	D7F260172-6	7185081	SOLID	0.38	1.0	62.60	µg/L		07/09/07 21:09		☐
99	J1RRF	D7F260172-7	7185081	SOLID	0.16	1.0	26.55	µg/L		07/09/07 21:11		☐
100	J1RRG	D7F260172-8	7185081	SOLID	0.04	1.0	6.09	µg/L		07/09/07 21:12		☐
101	J1RRK	D7F260172-9	7185081	SOLID	0.29	1.0	48.58	µg/L		07/09/07 21:14		☐
102	J1RRM	D7F260172-10	7185081	SOLID	0.22	1.0	35.65	µg/L		07/09/07 21:16		☐

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STL Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) Instrument: B (019) Reported: 07/10/07 10:18:21

Sequence: B70709B **Date:** 07/09/07 18:24 **Analyst:** DAW **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
103	J1RRN	D7F260172-11	7185081	SOLID	0.06	1.0	10.23	µg/L		07/09/07 21:17		☐
104	J1RRQ	D7F260172-12	7185081	SOLID	0.07	1.0	11.91	µg/L		07/09/07 21:19		☐
105	J1RRT	D7F260172-13	7185081	SOLID	0.07	1.0	11.42	µg/L		07/09/07 21:21		☐
106	J1RR1	D7F260172-14	7185081	SOLID	0.04	1.0	6.98	µg/L		07/09/07 21:22		☐
107	CCV	= 5.00			4.93	1.0	4.93	µg/L	98.5%	07/09/07 21:24		☐
108	CCB				0.02	1.0	0.02	µg/L		07/09/07 21:26		☐
109	J1RR8	D7F260172-15	7185081	SOLID	0.17	1.0	26.63	µg/L		07/09/07 21:27		☐
110	J1RTC	D7F260172-16	7185081	SOLID	0.14	1.0	24.13	µg/L		07/09/07 21:29		☐
111	J1RTD	D7F260172-17	7185081	SOLID	0.31	1.0	52.29	µg/L		07/09/07 21:31		☐
112	J1RTDS	D7F260172-17 = 833	7185081	SOLID	5.03	1.0	839.07	µg/L		07/09/07 21:32		☐
113	J1RTDD	D7F260172-17 = 833	7185081	SOLID	5.07	1.0	845.06	µg/L		07/09/07 21:34		☐
114	J1RTM	D7F260172-18	7185081	SOLID	1.23	1.0	197.94	µg/L		07/09/07 21:36		☐
115	J2CA2B	D7G040000	7185083		0.02	1.0	3.33	µg/L		07/09/07 21:37		☐
116	J2CA2C	D7G040000 = 833	7185083		4.84	1.0	806.14	µg/L	96.7%	07/09/07 21:39		☐
117	J16EH	D7F300143-1	7185083	SOLID	0.59	1.0	97.90	µg/L		07/09/07 21:41		☐
118	J16EHS	D7F300143-1 = 833	7185083	SOLID	5.02	1.0	837.38	µg/L		07/09/07 21:42		☐
119	CCV	= 5.00			4.89	1.0	4.89	µg/L	97.8%	07/09/07 21:44		☐
120	CCB				0.02	1.0	0.02	µg/L		07/09/07 21:46		☐
121	J16EHD	D7F300143-1 = 833	7185083	SOLID	5.13	1.0	854.33	µg/L		07/09/07 21:47		☐
122	J16EM	D7F300143-2	7185083	SOLID	1.34	1.0	224.02	µg/L		07/09/07 21:49		☐
123	J16EMS	D7F300143-2 = 833	7185083	SOLID	5.86	1.0	977.47	µg/L		07/09/07 21:51		☐
124	J16EMD	D7F300143-2 = 833	7185083	SOLID	5.64	1.0	940.72	µg/L		07/09/07 21:52		☐
125	J16EW	D7F300143-3	7185083	SOLID	0.28	1.0	47.36	µg/L		07/09/07 21:54		☐
126	J16E2	D7F300143-4	7185083	SOLID	0.27	1.0	43.20	µg/L		07/09/07 21:56		☐
127	J16E7	D7F300143-5	7185083	SOLID	0.14	1.0	23.12	µg/L		07/09/07 21:57		☐
128	J16FA	D7F300143-6	7185083	SOLID	0.37	1.0	59.82	µg/L		07/09/07 21:59		☐
129	J16FD	D7F300143-7	7185083	SOLID	0.20	1.0	32.10	µg/L		07/09/07 22:00		☐
130	J16FE	D7F300143-8	7185083	SOLID	0.26	1.0	42.82	µg/L		07/09/07 22:02		☐
131	CCV	= 5.00			4.83	1.0	4.83	µg/L	96.5%	07/09/07 22:04		☐
132	CCB				0.02	1.0	0.02	µg/L		07/09/07 22:06		☐
133	J16FF	D7F300143-9	7185083	SOLID	0.13	1.0	21.21	µg/L		07/09/07 22:07		☐
134	J16FG	D7F300143-10	7185083	SOLID	0.46	1.0	73.86	µg/L		07/09/07 22:09		☐
135	J16FH	D7F300143-11	7185083	SOLID	0.35	1.0	61.12	µg/L		07/09/07 22:10		☐
136	J16FK	D7F300143-12	7185083	SOLID	0.76	1.0	126.57	µg/L		07/09/07 22:12		☐

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STL Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) Instrument: B (019) Reported: 07/10/07 10:18:21

Sequence: **B70709B** **Date: 07/09/07 18:24** **Analyst: DAW** **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
137	J16FM	D7F300143-13	7185083	SOLID	0.86	1.0	148.40	µg/L		07/09/07 22:14		☐
138	J16FN	D7F300143-14	7185083	SOLID	1.37	1.0	236.60	µg/L		07/09/07 22:16		☐
139	J16FP	D7F300143-15	7185083	SOLID	0.61	1.0	97.65	µg/L		07/09/07 22:17		☐
140	J16FQ	D7F300143-16	7185083	SOLID	1.14	1.0	189.95	µg/L		07/09/07 22:19		☐
141	J16FR	D7F300143-17	7185083	SOLID	3.59	1.0	598.22	µg/L		07/09/07 22:21		☐
142	J16FT	D7F300143-18	7185083	SOLID	0.07	1.0	10.93	µg/L		07/09/07 22:22		☐
143	CCV	= 5.00			4.80	1.0	4.80	µg/L	96.1%	07/09/07 22:24		☐
144	CCB				0.02	1.0	0.02	µg/L		07/09/07 22:26		☐
145	J16FW	D7F300143-19	7185083	SOLID	0.15	1.0	24.46	µg/L		07/09/07 22:27		☐
146	CCV	= 5.00			4.75	1.0	4.75	µg/L	95.0%	07/09/07 22:29		☐
147	CCB				0.02	1.0	0.02	µg/L		07/09/07 22:31		☐

Perkin-Elmer AAWinLab: 07/09/2007, 18:23:00

==========
Method Name: hg
Method Description:
Element: Hg

Date: 07/09/2007
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: B70709.SIF Results Data Set Name: B70709

==========
Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 07/09/2007
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0004	0.0035	0.0004	18:23:45	No
2			0.0003	0.0017	0.0003	18:24:17	No
Mean:			0.0003				
SD :			0.0001				
%RSD:			24.7540				

Auto-zero performed.

==========
Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 07/09/2007
Sample ID: STD1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0025	0.0130	0.0028	18:25:26	No
2			0.0025	0.0133	0.0028	18:25:58	No
Mean:			0.0025				
SD :			0.0000				
%RSD:			0.7552				

[Hg] Standard number 1 applied. [0.20000]
Correlation Coefficient: 1.00000 Slope: 0.01239
Intercept : 0.00000

==========
Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 07/09/2007
Sample ID: STD2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0071	0.0336	0.0074	18:27:07	No
2			0.0075	0.0357	0.0079	18:27:39	No
Mean:			0.0073				
SD :			0.0003				
%RSD:			3.9686				

[Hg] Standard number 2 applied. [0.50000]
Correlation Coefficient: 0.99752 Slope: 0.01480
Intercept : -0.00018

==========
Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 07/09/2007
Sample ID: STD3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0141	0.0643	0.0144	18:28:49	No
2			0.0145	0.0662	0.0148	18:29:21	No
Mean:			0.0143				
SD :			0.0003				
%RSD:			2.2456				

[Hg] Standard number 3 applied. [1.0000]

Correlation Coefficient: 0.99934 Slope: 0.01446
Intercept : -0.00012

==========

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 07/09/2007
Sample ID: STD4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0299	0.1365	0.0302	18:30:33	No
2			0.0310	0.1400	0.0313	18:31:05	No
Mean:			0.0304				
SD :			0.0008				
%RSD:			2.5128				

[Hg] Standard number 4 applied. [2.0000]
Correlation Coefficient: 0.99948 Slope: 0.01526
Intercept : -0.00039

==========

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 07/09/2007
Sample ID: STD5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0686	0.3133	0.0689	18:32:18	No
2			0.0696	0.3168	0.0699	18:32:50	No
Mean:			0.0691				
SD :			0.0007				
%RSD:			0.9669				

[Hg] Standard number 5 applied. [5.0000]
Correlation Coefficient: 0.99909 Slope: 0.01389
Intercept : 0.00046

==========

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 07/09/2007
Sample ID: STD6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1460	0.6643	0.1463	18:34:03	No
2			0.1503	0.6832	0.1506	18:34:36	No
Mean:			0.1481				
SD :			0.0030				
%RSD:			2.0220				

[Hg] Standard number 6 applied. [10.000]
Correlation Coefficient: 0.99940 Slope: 0.01469
Intercept : -0.00042

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0003	-----	----	----	----
STD1	0.0025	0.20000	0.19752	0.000019	0.8
STD2	0.0073	0.50000	0.52846	0.000291	4.0
STD3	0.0143	1.00000	1.0011	0.000321	2.2
STD4	0.0304	2.00000	2.0992	0.000764	2.5
STD5	0.0691	5.00000	4.7322	0.000668	1.0
STD6	0.1481	10.00000	10.113	0.002995	2.0

Correlation Coefficient: 0.99940 Slope: 0.01469 Intercept: -0.0004

Element: Hg Seq. No.: 8 AS Loc.: 1 Date: 07/09/2007
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02641	0.02641	0.0000	0.0003	0.0003	18:37:08	No
2	0.02107	0.02107	-0.0001	0.0004	0.0002	18:37:40	No
Mean:	0.02374	0.02374	-0.0001				
SD :	0.003777	0.003777	0.0001				
%RSD:	15.9	15.9	72.9511				

QC value within specified limits.

Element: Hg Seq. No.: 9 AS Loc.: 8 Date: 07/09/2007
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.1723	7.1723	0.1049	0.4772	0.1053	18:38:49	No
2	7.3739	7.3739	0.1079	0.4918	0.1082	18:39:22	No
Mean:	7.2731	7.2731	0.1064				
SD :	0.14251	0.14251	0.0021				
%RSD:	2.0	2.0	1.9672				

QC value within specified limits.

Element: Hg Seq. No.: 10 AS Loc.: 2 Date: 07/09/2007
Sample ID: RL

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.19246	0.19246	0.0024	0.0124	0.0027	18:40:32	No
2	0.19062	0.19062	0.0024	0.0119	0.0027	18:41:05	No
Mean:	0.19154	0.19154	0.0024				
SD :	0.001301	0.001301	0.0000				
%RSD:	0.7	0.7	0.8003				

QC value within specified limits.

Element: Hg Seq. No.: 11 AS Loc.: 6 Date: 07/09/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.7183	4.7183	0.0689	0.3138	0.0692	18:42:14	No
2	4.8033	4.8033	0.0701	0.3195	0.0705	18:42:47	No
Mean:	4.7608	4.7608	0.0695				
SD :	0.060123	0.060123	0.0009				
%RSD:	1.3	1.3	1.2706				

QC value within specified limits.

Element: Hg Seq. No.: 12 AS Loc.: 1 Date: 07/09/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02480	0.02480	-0.0001	0.0012	0.0003	18:43:57	No
2	0.01832	0.01832	-0.0002	0.0001	0.0002	18:44:29	No
Mean:	0.02156	0.02156	-0.0001				
SD :	0.004582	0.004582	0.0001				
%RSD:	21.3	21.3	62.2336				

QC value within specified limits.

Element: Hg Seq. No.: 13 AS Loc.: 9 Date: 07/09/2007
Sample ID: IDLBLANK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03184	0.03184	0.0000	0.0015	0.0004	18:45:36	No
2	0.03214	0.03214	0.0000	0.0023	0.0004	18:46:09	No
Mean:	0.03199	0.03199	0.0000				
SD :	0.000210	0.000210	0.0000				
%RSD:	0.7	0.7	6.8484				

==========

Element: Hg Seq. No.: 14 AS Loc.: 10 Date: 07/09/2007
Sample ID: IDL1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.11487	0.11487	0.0013	0.0071	0.0016	18:47:16	No
2	0.11213	0.11213	0.0012	0.0063	0.0015	18:47:47	No
Mean:	0.11350	0.11350	0.0012				
SD :	0.001939	0.001939	0.0000				
%RSD:	1.7	1.7	2.2928				

==========

Element: Hg Seq. No.: 15 AS Loc.: 11 Date: 07/09/2007
Sample ID: IDL2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.10567	0.10567	0.0011	0.0056	0.0014	18:48:55	No
2	0.10924	0.10924	0.0012	0.0062	0.0015	18:49:28	No
Mean:	0.10746	0.10746	0.0012				
SD :	0.002525	0.002525	0.0000				
%RSD:	2.3	2.3	3.2149				

==========

Element: Hg Seq. No.: 16 AS Loc.: 12 Date: 07/09/2007
Sample ID: IDL3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.11069	0.11069	0.0012	0.0064	0.0015	18:50:35	No
2	0.11159	0.11159	0.0012	0.0064	0.0015	18:51:07	No
Mean:	0.11114	0.11114	0.0012				
SD :	0.000640	0.000640	0.0000				
%RSD:	0.6	0.6	0.7785				

==========

Element: Hg Seq. No.: 17 AS Loc.: 13 Date: 07/09/2007
Sample ID: IDL4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.09557	0.09557	0.0010	0.0057	0.0013	18:52:15	No
2	0.09769	0.09769	0.0010	0.0062	0.0013	18:52:47	No
Mean:	0.09663	0.09663	0.0010				
SD :	0.001497	0.001497	0.0000				
%RSD:	1.5	1.5	2.2114				

==========

Element: Hg Seq. No.: 18 AS Loc.: 14 Date: 07/09/2007
Sample ID: IDL5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.09835	0.09835	0.0010	0.0057	0.0013	18:53:55	No
2	0.11234	0.11234	0.0012	0.0065	0.0015	18:54:27	No
Mean:	0.10534	0.10534	0.0011				
SD :	0.009899	0.009899	0.0001				
%RSD:	9.4	9.4	12.9522				

Element: Hg Seq. No.: 19 AS Loc.: 15 Date: 07/09/2007
Sample ID: IDL6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.10201	0.10201	0.0011	0.0059	0.0014	18:55:37	No
2	0.10481	0.10481	0.0011	0.0066	0.0014	18:56:09	No
Mean:	0.10341	0.10341	0.0011				
SD :	0.001977	0.001977	0.0000				
%RSD:	1.9	1.9	2.6535				

Element: Hg Seq. No.: 20 AS Loc.: 16 Date: 07/09/2007
Sample ID: IDL7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.11015	0.11015	0.0012	0.0060	0.0015	18:57:19	No
2	0.11855	0.11855	0.0013	0.0075	0.0016	18:57:51	No
Mean:	0.11435	0.11435	0.0013				
SD :	0.005946	0.005946	0.0001				
%RSD:	5.2	5.2	6.9598				

Element: Hg Seq. No.: 21 AS Loc.: 17 Date: 07/09/2007
Sample ID: J2DT6B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02703	0.02703	0.0000	0.0017	0.0003	18:59:01	No
2	0.02323	0.02323	-0.0001	0.0006	0.0002	18:59:33	No
Mean:	0.02513	0.02513	-0.0001				
SD :	0.002691	0.002691	0.0000				
%RSD:	10.7	10.7	70.9871				

Element: Hg Seq. No.: 22 AS Loc.: 18 Date: 07/09/2007
Sample ID: J2DT6C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.7813	4.7813	0.0698	0.3154	0.0701	19:00:44	No
2	4.9433	4.9433	0.0722	0.3279	0.0725	19:01:16	No
Mean:	4.8623	4.8623	0.0710				
SD :	0.11451	0.11451	0.0017				
%RSD:	2.4	2.4	2.3691				

Element: Hg Seq. No.: 23 AS Loc.: 6 Date: 07/09/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.6604	4.6604	0.0680	0.3104	0.0684	19:02:27	No
2	4.7879	4.7879	0.0699	0.3192	0.0702	19:03:00	No
Mean:	4.7241	4.7241	0.0690				
SD :	0.090164	0.090164	0.0013				
%RSD:	1.9	1.9	1.9203				

QC value within specified limits.

Element: Hg Seq. No.: 24 AS Loc.: 1 Date: 07/09/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02521	0.02521	-0.0001	0.0011	0.0003	19:04:10	No
2	0.02484	0.02484	-0.0001	0.0017	0.0003	19:04:42	No

```
Mean:   0.02503   0.02503   -0.0001
SD  :  0.000261  0.000261    0.0000
%RSD:       1.0        1.0    6.6884
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 25       AS Loc.: 19   Date: 07/09/2007
Sample ID: J1XHL
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.19172   0.19172    0.0024   0.0122   0.0027   19:05:51  No
 2      0.19946   0.19946    0.0025   0.0132   0.0028   19:06:24  No
Mean:   0.19559   0.19559    0.0024
SD  :  0.005476  0.005476    0.0001
%RSD:       2.8        2.8    3.2855

==========================================================================================
Element: Hg    Seq. No.: 26       AS Loc.: 20   Date: 07/09/2007
Sample ID: J1XHR
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.19681   0.19681    0.0025   0.0127   0.0028   19:07:35  No
 2      0.20016   0.20016    0.0025   0.0126   0.0028   19:08:08  No
Mean:   0.19849   0.19849    0.0025
SD  :  0.002372  0.002372    0.0000
%RSD:       1.2        1.2    1.3987

==========================================================================================
Element: Hg    Seq. No.: 27       AS Loc.: 21   Date: 07/09/2007
Sample ID: J1XHT
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.26105   0.26105    0.0034   0.0172   0.0037   19:09:19  No
 2      0.26622   0.26622    0.0035   0.0171   0.0038   19:09:51  No
Mean:   0.26363   0.26363    0.0034
SD  :  0.003657  0.003657    0.0001
%RSD:       1.4        1.4    1.5579

==========================================================================================
Element: Hg    Seq. No.: 28       AS Loc.: 22   Date: 07/09/2007
Sample ID: J1XHV
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.19693   0.19693    0.0025   0.0125   0.0028   19:11:03  No
 2      0.20821   0.20821    0.0026   0.0134   0.0029   19:11:36  No
Mean:   0.20257   0.20257    0.0026
SD  :  0.007977  0.007977    0.0001
%RSD:       3.9        3.9    4.5934

==========================================================================================
Element: Hg    Seq. No.: 29       AS Loc.: 23   Date: 07/09/2007
Sample ID: J1XHX
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.23304   0.23304    0.0030   0.0146   0.0033   19:12:49  No
 2      0.23819   0.23819    0.0031   0.0153   0.0034   19:13:22  No
Mean:   0.23562   0.23562    0.0030
SD  :  0.003638  0.003638    0.0001
%RSD:       1.5        1.5    1.7600

==========================================================================================
Element: Hg    Seq. No.: 30       AS Loc.: 24   Date: 07/09/2007
```

Sample ID: J1XH0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.10842	0.10842	0.0012	0.0061	0.0015	19:14:30	No
2	0.11180	0.11180	0.0012	0.0064	0.0015	19:15:02	No
Mean:	0.11011	0.11011	0.0012				
SD :	0.002387	0.002387	0.0000				
%RSD:	2.2	2.2	2.9405				

Element: Hg Seq. No.: 31 AS Loc.: 25 Date: 07/09/2007
Sample ID: J1XH1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00828	0.00828	-0.0003	-0.0008	0.0000	19:16:08	No
2	0.10948	0.10948	0.0012	0.0064	0.0015	19:16:40	No
Mean:	0.05888	0.05888	0.0004				
SD :	0.071558	0.071558	0.0011				
%RSD:	121.5	121.5	238.8499				

Element: Hg Seq. No.: 32 AS Loc.: 26 Date: 07/09/2007
Sample ID: J1XH1S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.9154	4.9154	0.0718	0.3261	0.0721	19:17:47	No
2	5.0743	5.0743	0.0741	0.3376	0.0744	19:18:20	No
Mean:	4.9949	4.9949	0.0730				
SD :	0.11232	0.11232	0.0017				
%RSD:	2.2	2.2	2.2618				

Element: Hg Seq. No.: 33 AS Loc.: 27 Date: 07/09/2007
Sample ID: J1XH1D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.9022	4.9022	0.0716	0.3275	0.0719	19:19:27	No
2	5.0708	5.0708	0.0741	0.3356	0.0744	19:19:59	No
Mean:	4.9865	4.9865	0.0728				
SD :	0.11919	0.11919	0.0018				
%RSD:	2.4	2.4	2.4042				

Element: Hg Seq. No.: 34 AS Loc.: 28 Date: 07/09/2007
Sample ID: J1XH1P5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03405	0.03405	0.0001	0.0014	0.0004	19:21:07	No
2	0.03422	0.03422	0.0001	0.0012	0.0004	19:21:39	No
Mean:	0.03414	0.03414	0.0001				
SD :	0.000125	0.000125	0.0000				
%RSD:	0.4	0.4	2.4048				

Element: Hg Seq. No.: 35 AS Loc.: 6 Date: 07/09/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.9547	4.9547	0.0724	0.3290	0.0727	19:22:49	No
2	5.1437	5.1437	0.0751	0.3422	0.0755	19:23:21	No
Mean:	5.0492	5.0492	0.0738				

```
SD  :   0.13367   0.13367    0.0020
%RSD:       2.6       2.6    2.6626
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 36       AS Loc.: 1   Date: 07/09/2007
Sample ID: CCB
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.02306   0.02306   -0.0001   0.0006   0.0002   19:24:31  No
 2      0.02230   0.02230   -0.0001   0.0000   0.0002   19:25:03  No
Mean:   0.02268   0.02268   -0.0001
SD  :  0.000537  0.000537    0.0000
%RSD:       2.4       2.4    8.6039
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 37       AS Loc.: 29  Date: 07/09/2007
Sample ID: J1XH4
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.24351   0.24351    0.0032   0.0152   0.0035   19:26:10  No
 2      0.24904   0.24904    0.0032   0.0153   0.0035   19:26:42  No
Mean:   0.24627   0.24627    0.0032
SD  :  0.003909  0.003909    0.0001
%RSD:       1.6       1.6    1.7983

==========================================================================================
Element: Hg    Seq. No.: 38       AS Loc.: 30  Date: 07/09/2007
Sample ID: J1XH6
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.40298   0.40298    0.0055   0.0265   0.0058   19:27:50  No
 2      0.41405   0.41405    0.0057   0.0272   0.0060   19:28:22  No
Mean:   0.40852   0.40852    0.0056
SD  :  0.007829  0.007829    0.0001
%RSD:       1.9       1.9    2.0623

==========================================================================================
Element: Hg    Seq. No.: 39       AS Loc.: 31  Date: 07/09/2007
Sample ID: J1XH8
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.18804   0.18804    0.0023   0.0119   0.0026   19:29:31  No
 2      0.19370   0.19370    0.0024   0.0117   0.0027   19:30:03  No
Mean:   0.19087   0.19087    0.0024
SD  :  0.004005  0.004005    0.0001
%RSD:       2.1       2.1    2.4728

==========================================================================================
Element: Hg    Seq. No.: 40       AS Loc.: 32  Date: 07/09/2007
Sample ID: J1XH9
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.13840   0.13840    0.0016   0.0090   0.0019   19:31:13  No
 2      0.14508   0.14508    0.0017   0.0096   0.0020   19:31:45  No
Mean:   0.14174   0.14174    0.0017
SD  :  0.004723  0.004723    0.0001
%RSD:       3.3       3.3    4.1869

==========================================================================================
Element: Hg    Seq. No.: 41       AS Loc.: 33  Date: 07/09/2007
```

Perkin-Elmer AAWinLab: 07/09/2007, 19:32:09

05/10/07

Sample ID: ~~J1CATB~~ J2CATB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01636	0.01636	-0.0002	0.0001	0.0001	19:32:56	No
2	0.01505	0.01505	-0.0002	0.0004	0.0001	19:33:28	No
Mean:	0.01570	0.01570	-0.0002				
SD :	0.000926	0.000926	0.0000				
%RSD:	5.9	5.9	7.0023				

Element: Hg Seq. No.: 42 AS Loc.: 34 Date: 07/09/2007
Sample ID: J2CATC

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.9278	4.9278	0.0720	0.3243	0.0723	19:34:39	No
2	5.0797	5.0797	0.0742	0.3318	0.0745	19:35:11	No
Mean:	5.0037	5.0037	0.0731				
SD :	0.10742	0.10742	0.0016				
%RSD:	2.1	2.1	2.1593				

Element: Hg Seq. No.: 43 AS Loc.: 35 Date: 07/09/2007
Sample ID: J1LKN

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.13859	0.13859	0.0016	0.0086	0.0019	19:36:22	No
2	0.13855	0.13855	0.0016	0.0084	0.0019	19:36:54	No
Mean:	0.13857	0.13857	0.0016				
SD :	0.000025	0.000025	0.0000				
%RSD:							

Element: Hg Seq. No.: 44 AS Loc.: 36 Date: 07/09/2007
Sample ID: J1LKNS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.8923	4.8923	0.0715	0.3222	0.0718	19:38:06	No
2	5.0660	5.0660	0.0740	0.3338	0.0743	19:38:38	No
Mean:	4.9792	4.9792	0.0727				
SD :	0.12282	0.12282	0.0018				
%RSD:	2.5	2.5	2.4812				

Element: Hg Seq. No.: 45 AS Loc.: 37 Date: 07/09/2007
Sample ID: J1LKND

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.8557	4.8557	0.0709	0.3219	0.0712	19:39:49	No
2	5.0940	5.0940	0.0744	0.3350	0.0747	19:40:22	No
Mean:	4.9748	4.9748	0.0727				
SD :	0.16846	0.16846	0.0025				
%RSD:	3.4	3.4	3.4061				

Element: Hg Seq. No.: 46 AS Loc.: 38 Date: 07/09/2007
Sample ID: J1LLD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.07327	0.07327	0.0007	0.0039	0.0010	19:41:34	No
2	0.07904	0.07904	0.0007	0.0044	0.0010	19:42:06	No
Mean:	0.07616	0.07616	0.0007				

```
SD   :  0.004082  0.004082    0.0001
%RSD:        5.4        5.4    8.6412

==========================================================================================
Element: Hg    Seq. No.: 47       AS Loc.: 6   Date: 07/09/2007
Sample ID: CCV
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.9397    4.9397    0.0721   0.3296   0.0725   19:43:19  No
 2       5.1063    5.1063    0.0746   0.3407   0.0749   19:43:51  No
Mean:    5.0230    5.0230    0.0734
SD   :   0.11777   0.11777   0.0017
%RSD:        2.3        2.3    2.3581
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 48       AS Loc.: 1   Date: 07/09/2007
Sample ID: CCB
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.03485   0.03485    0.0001   0.0030   0.0004   19:45:01  No
 2      0.02193   0.02193   -0.0001   0.0000   0.0002   19:45:33  No
Mean:   0.02839   0.02839    0.0000
SD   :  0.009137  0.009137   0.0001
%RSD:       32.2       32.2 1712.0500
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 49       AS Loc.: 39  Date: 07/09/2007
Sample ID: J1LLG
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.41707   0.41707    0.0057   0.0272   0.0060   19:46:43  No
 2      0.44268   0.44268    0.0061   0.0290   0.0064   19:47:15  No
Mean:   0.42987   0.42987    0.0059
SD   :  0.018110  0.018110   0.0003
%RSD:        4.2        4.2    4.5167

==========================================================================================
Element: Hg    Seq. No.: 50       AS Loc.: 40  Date: 07/09/2007
Sample ID: J1LLL
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.03501   0.03501    0.0001   0.0019   0.0004   19:48:25  No
 2      0.03828   0.03828    0.0001   0.0017   0.0004   19:48:57  No
Mean:   0.03665   0.03665    0.0001
SD   :  0.002316  0.002316   0.0000
%RSD:        6.3        6.3   29.9804

==========================================================================================
Element: Hg    Seq. No.: 51       AS Loc.: 41  Date: 07/09/2007
Sample ID: J1LLN
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.32375   0.32375    0.0043   0.0209   0.0046   19:50:03  No
 2      0.33314   0.33314    0.0045   0.0217   0.0048   19:50:35  No
Mean:   0.32845   0.32845    0.0044
SD   :  0.006640  0.006640   0.0001
%RSD:        2.0        2.0    2.2167

==========================================================================================
Element: Hg    Seq. No.: 52       AS Loc.: 42  Date: 07/09/2007
```

Sample ID: J1LLP

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.13733	0.13733	0.0016	0.0089	0.0019	19:51:41	No
2	0.13882	0.13882	0.0016	0.0083	0.0019	19:52:14	No
Mean:	0.13807	0.13807	0.0016				
SD :	0.001047	0.001047	0.0000				
%RSD:	0.8	0.8	0.9594				

Element: Hg Seq. No.: 53 AS Loc.: 43 Date: 07/09/2007
Sample ID: J1LLT

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.11740	0.11740	0.0013	0.0070	0.0016	19:53:20	No
2	0.12162	0.12162	0.0014	0.0072	0.0017	19:53:52	No
Mean:	0.11951	0.11951	0.0013				
SD :	0.002985	0.002985	0.0000				
%RSD:	2.5	2.5	3.2945				

Element: Hg Seq. No.: 54 AS Loc.: 44 Date: 07/09/2007
Sample ID: J1LLV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14687	0.14687	0.0017	0.0089	0.0020	19:55:00	No
2	0.15628	0.15628	0.0019	0.0102	0.0022	19:55:32	No
Mean:	0.15157	0.15157	0.0018				
SD :	0.006656	0.006656	0.0001				
%RSD:	4.4	4.4	5.4265				

Element: Hg Seq. No.: 55 AS Loc.: 45 Date: 07/09/2007
Sample ID: J1LLX

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.15534	0.15534	0.0019	0.0094	0.0022	19:56:40	No
2	0.16522	0.16522	0.0020	0.0116	0.0023	19:57:12	No
Mean:	0.16028	0.16028	0.0019				
SD :	0.006988	0.006988	0.0001				
%RSD:	4.4	4.4	5.3195				

Element: Hg Seq. No.: 56 AS Loc.: 46 Date: 07/09/2007
Sample ID: J1LL2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.43510	0.43510	0.0060	0.0283	0.0063	19:58:19	No
2	0.45257	0.45257	0.0062	0.0298	0.0065	19:58:52	No
Mean:	0.44383	0.44383	0.0061				
SD :	0.012352	0.012352	0.0002				
%RSD:	2.8	2.8	2.9769				

Element: Hg Seq. No.: 57 AS Loc.: 47 Date: 07/09/2007
Sample ID: J1LL7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.59628	0.59628	0.0083	0.0395	0.0086	20:00:01	No
2	0.61344	0.61344	0.0086	0.0406	0.0089	20:00:34	No
Mean:	0.60486	0.60486	0.0085				

```
SD  :  0.012136  0.012136    0.0002
%RSD:       2.0        2.0    2.1071

==========================================================================================
Element: Hg    Seq. No.: 58       AS Loc.: 48   Date: 07/09/2007
Sample ID: J1LL8
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.09880   0.09880    0.0010   0.0073   0.0013   20:01:43  No
 2      0.09101   0.09101    0.0009   0.0051   0.0012   20:02:15  No
Mean:   0.09490   0.09490    0.0010
SD  :  0.005510  0.005510    0.0001
%RSD:       5.8        5.8    8.3504

==========================================================================================
Element: Hg    Seq. No.: 59       AS Loc.: 6    Date: 07/09/2007
Sample ID: CCV
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.9159    4.9159    0.0718   0.3300   0.0721   20:03:26  No
 2       5.0991    5.0991    0.0745   0.3397   0.0748   20:03:58  No
Mean:    5.0075    5.0075    0.0731
SD  :   0.12951   0.12951    0.0019
%RSD:       2.6        2.6    2.6012
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 60       AS Loc.: 1    Date: 07/09/2007
Sample ID: CCB
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.02824   0.02824    0.0000   0.0006   0.0003   20:05:07  No
 2      0.03323   0.03323    0.0001   0.0023   0.0004   20:05:39  No
Mean:   0.03074   0.03074    0.0000
SD  :  0.003528  0.003528    0.0001
%RSD:      11.5       11.5  194.0913
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 61       AS Loc.: 49   Date: 07/09/2007
Sample ID: J1LME
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.16188   0.16188    0.0020   0.0098   0.0023   20:06:47  No
 2      0.16807   0.16807    0.0020   0.0102   0.0024   20:07:20  No
Mean:   0.16497   0.16497    0.0020
SD  :  0.004378  0.004378    0.0001
%RSD:       2.7        2.7    3.2180

==========================================================================================
Element: Hg    Seq. No.: 62       AS Loc.: 50   Date: 07/09/2007
Sample ID: J1LM1
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.10913   0.10913    0.0012   0.0059   0.0015   20:08:29  No
 2      0.12720   0.12720    0.0014   0.0080   0.0018   20:09:02  No
Mean:   0.11816   0.11816    0.0013
SD  :  0.012778  0.012778    0.0002
%RSD:      10.8       10.8   14.3180

==========================================================================================
Element: Hg    Seq. No.: 63       AS Loc.: 51   Date: 07/09/2007
```

Sample ID: J1LM6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.71862	0.71862	0.0101	0.0467	0.0104	20:10:12	No
2	0.76106	0.76106	0.0108	0.0498	0.0111	20:10:44	No
Mean:	0.73984	0.73984	0.0104				
SD :	0.030010	0.030010	0.0004				
%RSD:	4.1	4.1	4.2213				

Element: Hg Seq. No.: 64 AS Loc.: 52 Date: 07/09/2007
Sample ID: J1LNF

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14101	0.14101	0.0016	0.0088	0.0020	20:11:55	No
2	0.14232	0.14232	0.0017	0.0088	0.0020	20:12:28	No
Mean:	0.14166	0.14166	0.0017				
SD :	0.000927	0.000927	0.0000				
%RSD:	0.7	0.7	0.8220				

Element: Hg Seq. No.: 65 AS Loc.: 53 Date: 07/09/2007
Sample ID: J2CA0B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01722	0.01722	-0.0002	0.0002	0.0001	20:13:39	No
2	0.01810	0.01810	-0.0002	0.0002	0.0002	20:14:11	No
Mean:	0.01766	0.01766	-0.0002				
SD :	0.000617	0.000617	0.0000				
%RSD:	3.5	3.5	5.4756				

Element: Hg Seq. No.: 66 AS Loc.: 54 Date: 07/09/2007
Sample ID: J2CA0C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.7333	4.7333	0.0691	0.3138	0.0694	20:15:22	No
2	4.9772	4.9772	0.0727	0.3304	0.0730	20:15:54	No
Mean:	4.8553	4.8553	0.0709				
SD :	0.17249	0.17249	0.0025				
%RSD:	3.6	3.6	3.5738				

Element: Hg Seq. No.: 67 AS Loc.: 55 Date: 07/09/2007
Sample ID: J1NRT

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.13888	0.13888	0.0016	0.0082	0.0019	20:17:03	No
2	0.14346	0.14346	0.0017	0.0090	0.0020	20:17:35	No
Mean:	0.14117	0.14117	0.0016				
SD :	0.003236	0.003236	0.0000				
%RSD:	2.3	2.3	2.8828				

Element: Hg Seq. No.: 68 AS Loc.: 56 Date: 07/09/2007
Sample ID: J1NRTS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.6420	4.6420	0.0678	0.3072	0.0681	20:18:40	No
2	4.8331	4.8331	0.0706	0.3210	0.0709	20:19:12	No
Mean:	4.7375	4.7375	0.0692				

```
SD  :   0.13515   0.13515    0.0020
%RSD:       2.9       2.9    2.8702

==========================================================================================
Element: Hg    Seq. No.: 69       AS Loc.: 57   Date: 07/09/2007
Sample ID: J1NRTD
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.8696    4.8696    0.0711   0.3217   0.0714   20:20:17  No
 2       5.0483    5.0483    0.0737   0.3340   0.0741   20:20:49  No
Mean:    4.9589    4.9589    0.0724
SD  :   0.12635   0.12635    0.0019
%RSD:       2.5       2.5    2.5629

==========================================================================================
Element: Hg    Seq. No.: 70       AS Loc.: 58   Date: 07/09/2007
Sample ID: J1NTD
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.08173   0.08173    0.0008   0.0046   0.0011   20:21:55  No
 2      0.08361   0.08361    0.0008   0.0047   0.0011   20:22:27  No
Mean:   0.08267   0.08267    0.0008
SD  :  0.001327  0.001327    0.0000
%RSD:       1.6       1.6    2.4691

==========================================================================================
Element: Hg    Seq. No.: 71       AS Loc.: 6    Date: 07/09/2007
Sample ID: CCV
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.9506    4.9506    0.0723   0.3294   0.0726   20:23:36  No
 2       5.0920    5.0920    0.0744   0.3432   0.0747   20:24:08  No
Mean:    5.0213    5.0213    0.0733
SD  :  0.099965  0.099965    0.0015
%RSD:       2.0       2.0    2.0024
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 72       AS Loc.: 1    Date: 07/09/2007
Sample ID: CCB
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.02499   0.02499   -0.0001   0.0014   0.0003   20:25:18  No
 2      0.02256   0.02256   -0.0001   0.0008   0.0002   20:25:50  No
Mean:   0.02378   0.02378   -0.0001
SD  :  0.001716  0.001716    0.0000
%RSD:       7.2       7.2   33.3500
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 73       AS Loc.: 59   Date: 07/09/2007
Sample ID: J1NTJ
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.13264   0.13264    0.0015   0.0083   0.0018   20:26:57  No
 2      0.13659   0.13659    0.0016   0.0089   0.0019   20:27:30  No
Mean:   0.13461   0.13461    0.0016
SD  :  0.002790  0.002790    0.0000
%RSD:       2.1       2.1    2.6395

==========================================================================================
Element: Hg    Seq. No.: 74       AS Loc.: 60   Date: 07/09/2007
```

Sample ID: J1NTT

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.13371	0.13371	0.0015	0.0081	0.0019	20:28:36	No
2	0.14320	0.14320	0.0017	0.0094	0.0020	20:29:09	No
Mean:	0.13845	0.13845	0.0016				
SD :	0.006709	0.006709	0.0001				
%RSD:	4.8	4.8	6.1247				

Element: Hg Seq. No.: 75 AS Loc.: 61 Date: 07/09/2007
Sample ID: J1NTV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.11305	0.11305	0.0012	0.0066	0.0015	20:30:16	No
2	0.12574	0.12574	0.0014	0.0079	0.0017	20:30:48	No
Mean:	0.11940	0.11940	0.0013				
SD :	0.008973	0.008973	0.0001				
%RSD:	7.5	7.5	9.9170				

Element: Hg Seq. No.: 76 AS Loc.: 62 Date: 07/09/2007
Sample ID: J1NTW

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14137	0.14137	0.0017	0.0089	0.0020	20:31:56	No
2	0.14769	0.14769	0.0017	0.0093	0.0021	20:32:28	No
Mean:	0.14453	0.14453	0.0017				
SD :	0.004467	0.004467	0.0001				
%RSD:	3.1	3.1	3.8636				

Element: Hg Seq. No.: 77 AS Loc.: 63 Date: 07/09/2007
Sample ID: J1RTR

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.33500	0.33500	0.0045	0.0223	0.0048	20:33:37	No
2	0.35402	0.35402	0.0048	0.0252	0.0051	20:34:09	No
Mean:	0.34451	0.34451	0.0046				
SD :	0.013453	0.013453	0.0002				
%RSD:	3.9	3.9	4.2627				

Element: Hg Seq. No.: 78 AS Loc.: 64 Date: 07/09/2007
Sample ID: J1RTT

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.55034	0.55034	0.0077	0.0353	0.0080	20:35:17	No
2	0.57867	0.57867	0.0081	0.0382	0.0084	20:35:50	No
Mean:	0.56450	0.56450	0.0079				
SD :	0.020031	0.020031	0.0003				
%RSD:	3.5	3.5	3.7400				

Element: Hg Seq. No.: 79 AS Loc.: 65 Date: 07/09/2007
Sample ID: J1RTW

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.36345	0.36345	0.0049	0.0234	0.0052	20:36:59	No
2	0.38781	0.38781	0.0053	0.0255	0.0056	20:37:32	No
Mean:	0.37563	0.37563	0.0051				

```
SD   :  0.017224  0.017224    0.0003
%RSD:        4.6        4.6    4.9679

==========================================================================================
Element: Hg    Seq. No.: 80       AS Loc.: 66   Date: 07/09/2007
Sample ID: J1RT3
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.07535   0.07535    0.0007   0.0040   0.0010   20:38:42  No
 2      0.07985   0.07985    0.0007   0.0039   0.0011   20:39:14  No
Mean:   0.07760   0.07760    0.0007
SD   :  0.003182  0.003182   0.0000
%RSD:        4.1        4.1    6.5370

==========================================================================================
Element: Hg    Seq. No.: 81       AS Loc.: 67   Date: 07/09/2007
Sample ID: J1RT7
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.04847   0.04847    0.0003   0.0030   0.0006   20:40:24  No
 2      0.05027   0.05027    0.0003   0.0032   0.0006   20:40:56  No
Mean:   0.04937   0.04937    0.0003
SD   :  0.001275  0.001275   0.0000
%RSD:        2.6        2.6    6.2372

==========================================================================================
Element: Hg    Seq. No.: 82       AS Loc.: 68   Date: 07/09/2007
Sample ID: J1RT9
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.12229   0.12229    0.0014   0.0074   0.0017   20:42:07  No
 2      0.13409   0.13409    0.0015   0.0095   0.0019   20:42:39  No
Mean:   0.12819   0.12819    0.0015
SD   :  0.008347  0.008347   0.0001
%RSD:        6.5        6.5    8.4083

==========================================================================================
Element: Hg    Seq. No.: 83       AS Loc.: 6    Date: 07/09/2007
Sample ID: CCV
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.8682    4.8682    0.0711   0.3255   0.0714   20:43:51  No
 2       5.1077    5.1077    0.0746   0.3422   0.0749   20:44:23  No
Mean:    4.9879    4.9879    0.0729
SD   :   0.16935   0.16935   0.0025
%RSD:        3.4        3.4    3.4150
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 84       AS Loc.: 1    Date: 07/09/2007
Sample ID: CCB
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.02241   0.02241   -0.0001   0.0006   0.0002   20:45:33  No
 2      0.02281   0.02281   -0.0001   0.0013   0.0002   20:46:05  No
Mean:   0.02261   0.02261   -0.0001
SD   :  0.000287  0.000287   0.0000
%RSD:        1.3        1.3    4.5421
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 85       AS Loc.: 69   Date: 07/09/2007
```

Sample ID: J1RVC

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14482	0.14482	0.0017	0.0091	0.0020	20:47:16	No
2	0.14844	0.14844	0.0018	0.0099	0.0021	20:47:48	No
Mean:	0.14663	0.14663	0.0017				
SD :	0.002561	0.002561	0.0000				
%RSD:	1.7	1.7	2.1755				

Element: Hg Seq. No.: 86 AS Loc.: 70 Date: 07/09/2007
Sample ID: J1RVK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.12268	0.12268	0.0014	0.0065	0.0017	20:49:00	No
2	0.12921	0.12921	0.0015	0.0077	0.0018	20:49:32	No
Mean:	0.12594	0.12594	0.0014				
SD :	0.004617	0.004617	0.0001				
%RSD:	3.7	3.7	4.7582				

Element: Hg Seq. No.: 87 AS Loc.: 71 Date: 07/09/2007
Sample ID: J1RVT

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01211	0.01211	-0.0002	0.0003	0.0001	20:50:40	No
2	0.10329	0.10329	0.0011	0.0061	0.0014	20:51:12	No
Mean:	0.05770	0.05770	0.0004				
SD :	0.064476	0.064476	0.0009				
%RSD:	111.7	111.7	224.0167				

Element: Hg Seq. No.: 88 AS Loc.: 72 Date: 07/09/2007
Sample ID: J1RV0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.12553	0.12553	0.0014	0.0078	0.0017	20:52:17	No
2	0.12954	0.12954	0.0015	0.0080	0.0018	20:52:49	No
Mean:	0.12753	0.12753	0.0014				
SD :	0.002836	0.002836	0.0000				
%RSD:	2.2	2.2	2.8761				

Element: Hg Seq. No.: 89 AS Loc.: 73 Date: 07/09/2007
Sample ID: J2CAWB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01851	0.01851	-0.0002	0.0007	0.0002	20:53:55	No
2	0.01899	0.01899	-0.0001	0.0008	0.0002	20:54:27	No
Mean:	0.01875	0.01875	-0.0001				
SD :	0.000340	0.000340	0.0000				
%RSD:	1.8	1.8	3.3384				

Element: Hg Seq. No.: 90 AS Loc.: 74 Date: 07/09/2007
Sample ID: J2CAWC

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.8615	4.8615	0.0710	0.3243	0.0713	20:55:32	No
2	5.1204	5.1204	0.0748	0.3413	0.0751	20:56:04	No
Mean:	4.9909	4.9909	0.0729				

```
SD  :   0.18307   0.18307    0.0027
%RSD:       3.7       3.7    3.6894

==========================================================================================
Element: Hg    Seq. No.: 91       AS Loc.: 75   Date: 07/09/2007
Sample ID: J1RPW
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.30101   0.30101    0.0040   0.0190   0.0043   20:57:11  No
 2      0.31015   0.31015    0.0041   0.0191   0.0044   20:57:43  No
Mean:   0.30558   0.30558    0.0041
SD  :  0.006461  0.006461    0.0001
%RSD:       2.1       2.1    2.3355

==========================================================================================
Element: Hg    Seq. No.: 92       AS Loc.: 76   Date: 07/09/2007
Sample ID: J1RP7
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.07855   0.07855    0.0007   0.0051   0.0010   20:58:50  No
 2      0.07494   0.07494    0.0007   0.0040   0.0010   20:59:22  No
Mean:   0.07675   0.07675    0.0007
SD  :  0.002550  0.002550    0.0000
%RSD:       3.3       3.3    5.3317

==========================================================================================
Element: Hg    Seq. No.: 93       AS Loc.: 77   Date: 07/09/2007
Sample ID: J1RP9
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.07711   0.07711    0.0007   0.0042   0.0010   21:00:29  No
 2      0.08140   0.08140    0.0008   0.0049   0.0011   21:01:02  No
Mean:   0.07925   0.07925    0.0007
SD  :  0.003030  0.003030    0.0000
%RSD:       3.8       3.8    6.0208

==========================================================================================
Element: Hg    Seq. No.: 94       AS Loc.: 78   Date: 07/09/2007
Sample ID: J1RQK
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.10521   0.10521    0.0011   0.0061   0.0014   21:02:09  No
 2      0.11891   0.11891    0.0013   0.0070   0.0016   21:02:42  No
Mean:   0.11206   0.11206    0.0012
SD  :  0.009684  0.009684    0.0001
%RSD:       8.6       8.6   11.6482

==========================================================================================
Element: Hg    Seq. No.: 95       AS Loc.: 6    Date: 07/09/2007
Sample ID: CCV
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.8224    4.8224    0.0704   0.3243   0.0707   21:03:51  No
 2       5.0663    5.0663    0.0740   0.3410   0.0743   21:04:23  No
Mean:    4.9444    4.9444    0.0722
SD  :   0.17242   0.17242    0.0025
%RSD:       3.5       3.5    3.5076
QC value within specified limits.

==========================================================================================
Element: Hg    Seq. No.: 96       AS Loc.: 1    Date: 07/09/2007
Sample ID: CCB
```

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01855	0.01855	-0.0002	0.0006	0.0002	21:05:33	No
2	0.02035	0.02035	-0.0001	0.0010	0.0002	21:06:05	No
Mean:	0.01945	0.01945	-0.0001				
SD :	0.001269	0.001269	0.0000				
%RSD:	6.5	6.5	13.3938				

QC value within specified limits.

Element: Hg Seq. No.: 97 AS Loc.: 79 Date: 07/09/2007
Sample ID: J1RQ7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02597	0.02597	0.0000	0.0003	0.0003	21:07:13	No
2	0.03073	0.03073	0.0000	0.0013	0.0003	21:07:45	No
Mean:	0.02835	0.02835	0.0000				
SD :	0.003367	0.003367	0.0000				
%RSD:	11.9	11.9	585.9386				

Element: Hg Seq. No.: 98 AS Loc.: 80 Date: 07/09/2007
Sample ID: J1RRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.36758	0.36758	0.0050	0.0238	0.0053	21:08:54	No
2	0.38365	0.38365	0.0052	0.0244	0.0055	21:09:26	No
Mean:	0.37561	0.37561	0.0051				
SD :	0.011367	0.011367	0.0002				
%RSD:	3.0	3.0	3.2787				

Element: Hg Seq. No.: 99 AS Loc.: 81 Date: 07/09/2007
Sample ID: J1RRF

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.15605	0.15605	0.0019	0.0095	0.0022	21:10:34	No
2	0.16253	0.16253	0.0020	0.0103	0.0023	21:11:07	No
Mean:	0.15929	0.15929	0.0019				
SD :	0.004582	0.004582	0.0001				
%RSD:	2.9	2.9	3.5145				

Element: Hg Seq. No.: 100 AS Loc.: 82 Date: 07/09/2007
Sample ID: J1RRG

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03824	0.03824	0.0001	0.0021	0.0004	21:12:16	No
2	0.03731	0.03731	0.0001	0.0019	0.0004	21:12:48	No
Mean:	0.03778	0.03778	0.0001				
SD :	0.000658	0.000658	0.0000				
%RSD:	1.7	1.7	7.4303				

Element: Hg Seq. No.: 101 AS Loc.: 83 Date: 07/09/2007
Sample ID: J1RRK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.28027	0.28027	0.0037	0.0175	0.0040	21:13:57	No
2	0.30265	0.30265	0.0040	0.0201	0.0043	21:14:30	No
Mean:	0.29146	0.29146	0.0039				

SD :	0.015830	0.015830	0.0002
%RSD:	5.4	5.4	6.0294

Element: Hg Seq. No.: 102 AS Loc.: 84 Date: 07/09/2007
Sample ID: J1RRM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.21424	0.21424	0.0027	0.0133	0.0030	21:15:40	No
2	0.22779	0.22779	0.0029	0.0146	0.0032	21:16:13	No
Mean:	0.22101	0.22101	0.0028				
SD :	0.009585	0.009585	0.0001				
%RSD:	4.3	4.3	4.9896				

Element: Hg Seq. No.: 103 AS Loc.: 85 Date: 07/09/2007
Sample ID: J1RRN

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05710	0.05710	0.0004	0.0033	0.0007	21:17:23	No
2	0.06159	0.06159	0.0005	0.0041	0.0008	21:17:55	No
Mean:	0.05934	0.05934	0.0004				
SD :	0.003175	0.003175	0.0000				
%RSD:	5.3	5.3	10.4352				

7/10/07

Element: Hg Seq. No.: 104 AS Loc.: 86 Date: 07/09/2007
Sample ID: ~~H1RRQ~~ J1RRQ

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06855	0.06855	0.0006	0.0041	0.0009	21:19:03	No
2	0.06960	0.06960	0.0006	0.0041	0.0009	21:19:35	No
Mean:	0.06908	0.06908	0.0006				
SD :	0.000748	0.000748	0.0000				
%RSD:	1.1	1.1	1.8626				

Element: Hg Seq. No.: 105 AS Loc.: 87 Date: 07/09/2007
Sample ID: J1RRT

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06050	0.06050	0.0005	0.0029	0.0008	21:20:39	No
2	0.07202	0.07202	0.0006	0.0051	0.0009	21:21:11	No
Mean:	0.06626	0.06626	0.0005				
SD :	0.008150	0.008150	0.0001				
%RSD:	12.3	12.3	21.8272				

Element: Hg Seq. No.: 106 AS Loc.: 88 Date: 07/09/2007
Sample ID: J1RR1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.04232	0.04232	0.0002	0.0024	0.0005	21:22:15	No
2	0.04148	0.04148	0.0002	0.0020	0.0005	21:22:48	No
Mean:	0.04190	0.04190	0.0002				
SD :	0.000596	0.000596	0.0000				
%RSD:	1.4	1.4	4.5937				

Element: Hg Seq. No.: 107 AS Loc.: 6 Date: 07/09/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.8139	4.8139	0.0703	0.3244	0.0706	21:23:57	No
2	5.0385	5.0385	0.0736	0.3403	0.0739	21:24:29	No
Mean:	4.9262	4.9262	0.0719				
SD :	0.15880	0.15880	0.0023				
%RSD:	3.2	3.2	3.2426				

QC value within specified limits.

==========

Element: Hg Seq. No.: 108 AS Loc.: 1 Date: 07/09/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01723	0.01723	-0.0002	-0.0004	0.0001	21:25:39	No
2	0.01795	0.01795	-0.0002	0.0008	0.0002	21:26:12	No
Mean:	0.01759	0.01759	-0.0002				
SD :	0.000506	0.000506	0.0000				
%RSD:	2.9	2.9	4.4652				

QC value within specified limits.

==========

Element: Hg Seq. No.: 109 AS Loc.: 89 Date: 07/09/2007
Sample ID: J1RR8

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.16359	0.16359	0.0020	0.0103	0.0023	21:27:18	No
2	0.16662	0.16662	0.0020	0.0102	0.0023	21:27:50	No
Mean:	0.16511	0.16511	0.0020				
SD :	0.002149	0.002149	0.0000				
%RSD:	1.3	1.3	1.5777				

==========

Element: Hg Seq. No.: 110 AS Loc.: 90 Date: 07/09/2007
Sample ID: J1RTC

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14188	0.14188	0.0017	0.0082	0.0020	21:28:56	No
2	0.14764	0.14764	0.0017	0.0084	0.0021	21:29:28	No
Mean:	0.14476	0.14476	0.0017				
SD :	0.004069	0.004069	0.0001				
%RSD:	2.8	2.8	3.5127				

==========

Element: Hg Seq. No.: 111 AS Loc.: 91 Date: 07/09/2007
Sample ID: J1RTD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.30503	0.30503	0.0041	0.0195	0.0044	21:30:35	No
2	0.32246	0.32246	0.0043	0.0206	0.0046	21:31:07	No
Mean:	0.31374	0.31374	0.0042				
SD :	0.012320	0.012320	0.0002				
%RSD:	3.9	3.9	4.3254				

==========

Element: Hg Seq. No.: 112 AS Loc.: 92 Date: 07/09/2007
Sample ID: J1RTDS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.8527	4.8527	0.0709	0.3271	0.0712	21:32:13	No
2	5.2161	5.2161	0.0762	0.3494	0.0765	21:32:45	No
Mean:	5.0344	5.0344	0.0735				

```
SD  :   0.25697   0.25697    0.0038
%RSD:       5.1       5.1    5.1337

==========================================================================================
Element: Hg    Seq. No.: 113      AS Loc.: 93   Date: 07/09/2007
Sample ID: J1RTDD
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.9502    4.9502    0.0723   0.3279   0.0726   21:33:53  No
 2       5.1905    5.1905    0.0758   0.3472   0.0761   21:34:25  No
Mean:    5.0704    5.0704    0.0741
SD  :   0.16993   0.16993    0.0025
%RSD:       3.4       3.4    3.3706

==========================================================================================
Element: Hg    Seq. No.: 114      AS Loc.: 94   Date: 07/09/2007
Sample ID: J1RTM
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       1.1926    1.1926    0.0171   0.0791   0.0174   21:35:32  No
 2       1.2619    1.2619    0.0181   0.0831   0.0184   21:36:04  No
Mean:    1.2272    1.2272    0.0176
SD  :  0.048981  0.048981    0.0007
%RSD:       4.0       4.0    4.0875

==========================================================================================
Element: Hg    Seq. No.: 115      AS Loc.: 95   Date: 07/09/2007
Sample ID: J2CA2B
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.02150   0.02150   -0.0001   0.0012   0.0002   21:37:12  No
 2      0.01841   0.01841   -0.0002   0.0013   0.0002   21:37:44  No
Mean:   0.01995   0.01995   -0.0001
SD  :  0.002190  0.002190    0.0000
%RSD:      11.0      11.0   24.4215

==========================================================================================
Element: Hg    Seq. No.: 116      AS Loc.: 96   Date: 07/09/2007
Sample ID: J2CA2C
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       4.7575    4.7575    0.0695   0.3175   0.0698   21:38:53  No
 2       4.9162    4.9162    0.0718   0.3320   0.0721   21:39:25  No
Mean:    4.8368    4.8368    0.0706
SD  :   0.11218   0.11218    0.0016
%RSD:       2.3       2.3    2.3332

==========================================================================================
Element: Hg    Seq. No.: 117      AS Loc.: 97   Date: 07/09/2007
Sample ID: J16EH
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.57932   0.57932    0.0081   0.0384   0.0084   21:40:35  No
 2      0.59545   0.59545    0.0083   0.0395   0.0086   21:41:07  No
Mean:   0.58738   0.58738    0.0082
SD  :  0.011407  0.011407    0.0002
%RSD:       1.9       1.9    2.0426

==========================================================================================
Element: Hg    Seq. No.: 118      AS Loc.: 98   Date: 07/09/2007
Sample ID: J16EHS
------------------------------------------------------------------------------------------
```

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.8919	4.8919	0.0714	0.3288	0.0718	21:42:16	No
2	5.1567	5.1567	0.0753	0.3461	0.0756	21:42:48	No
Mean:	5.0243	5.0243	0.0734				
SD :	0.18724	0.18724	0.0028				
%RSD:	3.7	3.7	3.7483				

==========

Element: Hg Seq. No.: 119 AS Loc.: 6 Date: 07/09/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.7480	4.7480	0.0693	0.3209	0.0696	21:43:59	No
2	5.0312	5.0312	0.0735	0.3412	0.0738	21:44:31	No
Mean:	4.8896	4.8896	0.0714				
SD :	0.20024	0.20024	0.0029				
%RSD:	4.1	4.1	4.1197				

QC value within specified limits.

==========

Element: Hg Seq. No.: 120 AS Loc.: 1 Date: 07/09/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02210	0.02210	-0.0001	0.0009	0.0002	21:45:40	No
2	0.02301	0.02301	-0.0001	0.0017	0.0002	21:46:12	No
Mean:	0.02255	0.02255	-0.0001				
SD :	0.000650	0.000650	0.0000				
%RSD:	2.9	2.9	10.2121				

QC value within specified limits.

==========

Element: Hg Seq. No.: 121 AS Loc.: 99 Date: 07/09/2007
Sample ID: J16EHD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.9873	4.9873	0.0728	0.3350	0.0732	21:47:19	No
2	5.2647	5.2647	0.0769	0.3556	0.0772	21:47:52	No
Mean:	5.1260	5.1260	0.0749				
SD :	0.19616	0.19616	0.0029				
%RSD:	3.8	3.8	3.8485				

==========

Element: Hg Seq. No.: 122 AS Loc.: 100 Date: 07/09/2007
Sample ID: J16EM

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.3044	1.3044	0.0187	0.0866	0.0191	21:49:01	No
2	1.3838	1.3838	0.0199	0.0925	0.0202	21:49:33	No
Mean:	1.3441	1.3441	0.0193				
SD :	0.056165	0.056165	0.0008				
%RSD:	4.2	4.2	4.2704				

==========

Element: Hg Seq. No.: 123 AS Loc.: 101 Date: 07/09/2007
Sample ID: J16EMS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.6883	5.6883	0.0831	0.3844	0.0835	21:50:43	No
2	6.0413	6.0413	0.0883	0.4035	0.0886	21:51:15	No
Mean:	5.8648	5.8648	0.0857				

```
SD  :   0.24962   0.24962    0.0037
%RSD:       4.3       4.3    4.2774

==========================================================================================
Element: Hg    Seq. No.: 124      AS Loc.: 102   Date: 07/09/2007
Sample ID: J16EMD
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       5.4847    5.4847    0.0802   0.3713   0.0805   21:52:23  No
 2       5.8039    5.8039    0.0848   0.3896   0.0852   21:52:55  No
Mean:    5.6443    5.6443    0.0825
SD  :   0.22570   0.22570    0.0033
%RSD:       4.0       4.0    4.0192

==========================================================================================
Element: Hg    Seq. No.: 125      AS Loc.: 103   Date: 07/09/2007
Sample ID: J16EW
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.28215   0.28215    0.0037   0.0181   0.0040   21:54:00  No
 2      0.28611   0.28611    0.0038   0.0176   0.0041   21:54:32  No
Mean:   0.28413   0.28413    0.0037
SD  :  0.002803  0.002803    0.0000
%RSD:       1.0       1.0    1.0984

==========================================================================================
Element: Hg    Seq. No.: 126      AS Loc.: 104   Date: 07/09/2007
Sample ID: J16E2
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.26363   0.26363    0.0034   0.0172   0.0038   21:55:36  No
 2      0.27204   0.27204    0.0036   0.0172   0.0039   21:56:08  No
Mean:   0.26784   0.26784    0.0035
SD  :  0.005943  0.005943    0.0001
%RSD:       2.2       2.2    2.4874

==========================================================================================
Element: Hg    Seq. No.: 127      AS Loc.: 105   Date: 07/09/2007
Sample ID: J16E7
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.14086   0.14086    0.0016   0.0085   0.0020   21:57:12  No
 2      0.14587   0.14587    0.0017   0.0090   0.0020   21:57:44  No
Mean:   0.14336   0.14336    0.0017
SD  :  0.003541  0.003541    0.0001
%RSD:       2.5       2.5    3.0946

==========================================================================================
Element: Hg    Seq. No.: 128      AS Loc.: 106   Date: 07/09/2007
Sample ID: J16FA
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.36271   0.36271    0.0049   0.0241   0.0052   21:58:49  No
 2      0.37910   0.37910    0.0051   0.0247   0.0055   21:59:21  No
Mean:   0.37091   0.37091    0.0050
SD  :  0.011588  0.011588    0.0002
%RSD:       3.1       3.1    3.3883

==========================================================================================
Element: Hg    Seq. No.: 129      AS Loc.: 107   Date: 07/09/2007
Sample ID: J16FD
------------------------------------------------------------------------------------------
```

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.19597	0.19597	0.0025	0.0121	0.0028	22:00:27	No
2	0.20212	0.20212	0.0025	0.0126	0.0029	22:00:59	No
Mean:	0.19904	0.19904	0.0025				
SD :	0.004350	0.004350	0.0001				
%RSD:	2.2	2.2	2.5571				

==========

Element: Hg Seq. No.: 130 AS Loc.: 108 Date: 07/09/2007
Sample ID: J16FE

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.25032	0.25032	0.0033	0.0155	0.0036	22:02:06	No
2	0.26353	0.26353	0.0034	0.0168	0.0038	22:02:38	No
Mean:	0.25692	0.25692	0.0033				
SD :	0.009340	0.009340	0.0001				
%RSD:	3.6	3.6	4.0964				

==========

Element: Hg Seq. No.: 131 AS Loc.: 6 Date: 07/09/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.6959	4.6959	0.0686	0.3170	0.0689	22:03:46	No
2	4.9555	4.9555	0.0724	0.3369	0.0727	22:04:19	No
Mean:	4.8257	4.8257	0.0705				
SD :	0.18358	0.18358	0.0027				
%RSD:	3.8	3.8	3.8270				

QC value within specified limits.

==========

Element: Hg Seq. No.: 132 AS Loc.: 1 Date: 07/09/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02106	0.02106	-0.0001	0.0000	0.0002	22:05:28	No
2	0.02368	0.02368	-0.0001	0.0017	0.0002	22:06:01	No
Mean:	0.02237	0.02237	-0.0001				
SD :	0.001856	0.001856	0.0000				
%RSD:	8.3	8.3	28.3308				

QC value within specified limits.

==========

Element: Hg Seq. No.: 133 AS Loc.: 109 Date: 07/09/2007
Sample ID: J16FF

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.12908	0.12908	0.0015	0.0075	0.0018	22:07:08	No
2	0.13393	0.13393	0.0015	0.0079	0.0019	22:07:40	No
Mean:	0.13151	0.13151	0.0015				
SD :	0.003430	0.003430	0.0001				
%RSD:	2.6	2.6	3.3438				

==========

Element: Hg Seq. No.: 134 AS Loc.: 110 Date: 07/09/2007
Sample ID: J16FG

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.44330	0.44330	0.0061	0.0284	0.0064	22:08:48	No
2	0.47253	0.47253	0.0065	0.0309	0.0068	22:09:20	No
Mean:	0.45792	0.45792	0.0063				

```
SD   :  0.020666  0.020666    0.0003
%RSD:        4.5        4.5    4.8173

==========================================================================================
Element: Hg    Seq. No.: 135      AS Loc.: 111   Date: 07/09/2007
Sample ID: J16FH
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.34533   0.34533    0.0046   0.0229   0.0050   22:10:27  No
 2      0.36365   0.36365    0.0049   0.0242   0.0052   22:10:59  No
Mean:   0.35449   0.35449    0.0048
SD   :  0.012956  0.012956   0.0002
%RSD:        3.7        3.7    3.9795

==========================================================================================
Element: Hg    Seq. No.: 136      AS Loc.: 112   Date: 07/09/2007
Sample ID: J16FK
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.73488   0.73488    0.0104   0.0483   0.0107   22:12:06  No
 2      0.78402   0.78402    0.0111   0.0517   0.0114   22:12:39  No
Mean:   0.75945   0.75945    0.0107
SD   :  0.034750  0.034750   0.0005
%RSD:        4.6        4.6    4.7569

==========================================================================================
Element: Hg    Seq. No.: 137      AS Loc.: 113   Date: 07/09/2007
Sample ID: J16FM
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.84028   0.84028    0.0119   0.0552   0.0122   22:13:48  No
 2      0.88112   0.88112    0.0125   0.0581   0.0128   22:14:20  No
Mean:   0.86070   0.86070    0.0122
SD   :  0.028881  0.028881   0.0004
%RSD:        3.4        3.4    3.4721

==========================================================================================
Element: Hg    Seq. No.: 138      AS Loc.: 114   Date: 07/09/2007
Sample ID: J16FN
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1       1.3384    1.3384    0.0192   0.0894   0.0196   22:15:30  No
 2       1.4062    1.4062    0.0202   0.0942   0.0205   22:16:02  No
Mean:    1.3723    1.3723    0.0197
SD   :  0.047930  0.047930   0.0007
%RSD:        3.5        3.5    3.5679

==========================================================================================
Element: Hg    Seq. No.: 139      AS Loc.: 115   Date: 07/09/2007
Sample ID: J16FP
------------------------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak    Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area    Height            Stored
 1      0.59015   0.59015    0.0082   0.0387   0.0086   22:17:11  No
 2      0.62069   0.62069    0.0087   0.0428   0.0090   22:17:43  No
Mean:   0.60542   0.60542    0.0085
SD   :  0.021589  0.021589   0.0003
%RSD:        3.6        3.6    3.7449

==========================================================================================
Element: Hg    Seq. No.: 140      AS Loc.: 116   Date: 07/09/2007
Sample ID: J16FQ
------------------------------------------------------------------------------------------
```

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.1170	1.1170	0.0160	0.0755	0.0163	22:18:54	No
2	1.1624	1.1624	0.0167	0.0775	0.0170	22:19:26	No
Mean:	1.1397	1.1397	0.0163				
SD :	0.032098	0.032098	0.0005				
%RSD:	2.8	2.8	2.8897				

==========

Element: Hg Seq. No.: 141 AS Loc.: 117 Date: 07/09/2007
Sample ID: J16FR

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.4868	3.4868	0.0508	0.2358	0.0511	22:20:32	No
2	3.6918	3.6918	0.0538	0.2492	0.0541	22:21:05	No
Mean:	3.5893	3.5893	0.0523				
SD :	0.14495	0.14495	0.0021				
%RSD:	4.0	4.0	4.0712				

==========

Element: Hg Seq. No.: 142 AS Loc.: 118 Date: 07/09/2007
Sample ID: J16FT

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06746	0.06746	0.0006	0.0040	0.0009	22:22:08	No
2	0.06809	0.06809	0.0006	0.0038	0.0009	22:22:40	No
Mean:	0.06778	0.06778	0.0006				
SD :	0.000444	0.000444	0.0000				
%RSD:	0.7	0.7	1.1433				

==========

Element: Hg Seq. No.: 143 AS Loc.: 6 Date: 07/09/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.6379	4.6379	0.0677	0.3143	0.0680	22:23:48	No
2	4.9695	4.9695	0.0726	0.3374	0.0729	22:24:20	No
Mean:	4.8037	4.8037	0.0701				
SD :	0.23450	0.23450	0.0034				
%RSD:	4.9	4.9	4.9112				

QC value within specified limits.

==========

Element: Hg Seq. No.: 144 AS Loc.: 1 Date: 07/09/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02549	0.02549	-0.0001	0.0010	0.0003	22:25:29	No
2	0.01778	0.01778	-0.0002	0.0003	0.0001	22:26:01	No
Mean:	0.02164	0.02164	-0.0001				
SD :	0.005454	0.005454	0.0001				
%RSD:	25.2	25.2	74.8475				

QC value within specified limits.

==========

Element: Hg Seq. No.: 145 AS Loc.: 119 Date: 07/09/2007
Sample ID: J16FW

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14414	0.14414	0.0017	0.0094	0.0020	22:27:08	No
2	0.14942	0.14942	0.0018	0.0095	0.0021	22:27:40	No
Mean:	0.14678	0.14678	0.0017				

SD :	0.003731	0.003731	0.0001
%RSD:	2.5	2.5	3.1653

==========

Element: Hg Seq. No.: 146 AS Loc.: 6 Date: 07/09/2007

Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.5940	4.5940	0.0671	0.3110	0.0674	22:28:49	No
2	4.9105	4.9105	0.0717	0.3361	0.0720	22:29:21	No
Mean:	4.7522	4.7522	0.0694				
SD :	0.22378	0.22378	0.0033				
%RSD:	4.7	4.7	4.7377				

QC value within specified limits.

==========

Element: Hg Seq. No.: 147 AS Loc.: 1 Date: 07/09/2007

Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02195	0.02195	-0.0001	0.0005	0.0002	22:30:30	No
2	0.01859	0.01859	-0.0002	0.0004	0.0002	22:31:02	No
Mean:	0.02027	0.02027	-0.0001				
SD :	0.002375	0.002375	0.0000				
%RSD:	11.7	11.7	27.4378				

QC value within specified limits.

Sample Information File C:\AAUSER\SAMPINFO\B70709.SIF

Description :
Batch ID :
Volume Units :
Weight Units :
Analyst :
Sample Volume : 0.00

AS Loc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
9	IDLBLANK				
10	IDL1				
11	IDL2				
12	IDL3				
13	IDL4				
14	IDL5				
15	IDL6				
16	IDL7				
17	J2DT6B				
18	J2DT6C				
19	J1XHL				
20	J1XHR				
21	J1XHT				
22	J1XHV				
23	J1XHX				
24	J1XH0				
25	J1XH1				
26	J1XH1S				
27	J1XH1D				
28	J1XH1P5				
29	J1XH4				
30	J1XH6				
31	J1XH8				
32	J1XH9				
33	J1CATB				
34	J2CATC				
35	J1LKN				
36	J1LKNS				
37	J1LKND				
38	J1LLD				
39	J1LLG				
40	J1LLL				
41	J1LLN				
42	J1LLP				
43	J1LLT				
44	J1LLV				
45	J1LLX				
46	J1LL2				
47	J1LL7				
48	J1LL8				
49	J1LME				
50	J1LM1				
51	J1LM6				
52	J1LNF				
53	J2CA0B				
54	J2CA0C				
55	J1NRT				
56	J1NRTS				
57	J1NRTD				
58	J1NTD				
59	J1NTJ				
60	J1NTT				
61	J1NTV				

62 J1NTW
63 J1RTR
64 J1RTT
65 J1RTW
66 J1RT3
67 J1RT7
68 J1RT9
69 J1RVC
70 J1RVK
71 J1RVT
72 J1RV0
73 J2CAWB
74 J2CAWC
75 J1RPW
76 J1RP7
77 J1RP9
78 J1RQK
79 J1RQ7
80 J1RRA
81 J1RRF
82 J1RRG
83 J1RRK
84 J1RRM
85 J1RRN
86 H1RRQ
87 J1RRT
88 J1RR1
89 J1RR8
90 J1RTC
91 J1RTD
92 J1RTDS
93 J1RTDD
94 J1RTM
95 J2CA2B
96 J2CA2C
97 J16EH
98 J16EHS
99 J16EHD
100 J16EM
101 J16EMS
102 J16EMD
103 J16EW
104 J16E2
105 J16E7
106 J16FA
107 J16FD
108 J16FE
109 J16FF
110 J16FG
111 J16FH
112 J16FK
113 J16FM
114 J16FN
115 J16FP
116 J16FQ
117 J16FR
118 J16FT
119 J16FW

General Chemistry

Supporting Documentation

Sample Sequence, Instrument Printouts, Calculations

STL

Method Percent Moisture (7/7/07A)

Batch #(s): 7188135/6/7/8/9

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: Christopher Rodale 7/8/07

STL Denver

GRAVIMETRIC CALCULATION BENCHSHEET

ANALYST: CGG
REVIEWED BY: CGG
BATCH NO.: 7188135-6-7-8-9
Prep Code: 88
Method Code: WM,NJ

ANALYSIS DATE: 07/07/07
REVIEW DATE: 07/08/07

METHOD NO.: MOIS
BALANCE NO.: BAL
FILE: 70707A

Date/Time In: 7/7/2007 16:00
Date/Time Out: 7/18/2007 14:00
Temp In, C: 97
Temp Out, C: 98

Date/Time In:
Date/Time Out:
Temp In, C:
Temp Out, C:

	Lab ID	Lot-Sample	Time	True Conc. %	Dish #	Tare Wt. gram	Initial GW g	Init Dried Wt. g	Final Dried W g	Percent Moisture %	%Rec.	Check	Upload by CGG Upload?	%D
1	J18C8	D7G020188 -1	16:00		1	1.2800	15.85		14.2300	11.1			Y	
2	J18C8-X	D7G020188 -1	16:00	0	2	1.2800	14.96		13.4700	10.9			Y	2.1%
3	J18DD	D7G020188 -2	16:00		3	1.3000	15.06		13.0300	14.8			Y	
4	J18DE	D7G020188 -3	16:00		4	1.2900	17.5		13.0900	27.2			Y	
5	J18DF	D7G020188 -4	16:00		5	1.3000	14.92		13.8600	7.78			Y	
6	J18DG	D7G020188 -5	16:00		6	1.2900	18.25		14.6000	21.5			Y	
7	J18DH	D7G020188 -6	16:00		7	1.2800	17.04		15.0600	12.6			Y	
8	J2GN0	D7G070112 -1	16:00		8	1.2900	15.37		12.8700	17.8			Y	
9	J2GN3	D7G070112 -2	16:00		9	1.2900	15.83		13.3100	17.3			Y	
10	J1RPW	D7F260172 -1	16:00		10	1.2800	16.36		14.8600	9.95			Y	
11	J1RPW-X	D7F260172 -1	16:00	0	11	1.2800	15.58		14.0800	10.5			Y	5.3%
12	J1RP7	D7F260172 -2	16:00		12	1.3000	16.55		15.3700	7.74			Y	
13	J1RP9	D7F260172 -3	16:00		13	1.2800	17.7		15.8700	11.1			Y	
14	J1RQK	D7F260172 -4	16:00		14	1.2900	18.12		16.1900	11.5			Y	
15	J1RQ7	D7F260172 -5	16:00		15	1.2800	16.39		13.3500	20.1			Y	
16	J1RRA	D7F260172 -6	16:00		16	1.3000	16.34		13.4100	19.5			Y	
17	J1RRF	D7F260172 -7	16:00		17	1.3000	14.9		12.0800	20.7			Y	
18	J1RRG	D7F260172 -8	16:00		18	1.2800	16.58		14.4400	14			Y	
19	J1RRK	D7F260172 -9	16:00		19	1.2800	17.84		14.0300	23			Y	
20	J1RRM	D7F260172 -10	16:00		20	1.2800	15.68		12.0600	25.1			Y	
21	J1RRN	D7F260172 -11	16:00		21	1.2800	17.02		14.0900	18.6			Y	
22	J1RRQ	D7F260172 -12	16:00		22	1.2900	16.73		14.0300	17.5			Y	
23	J1RRT	D7F260172 -13	16:00		23	1.2900	18.18		14.1800	23.7			Y	
24	J1RR1	D7F260172 -14	16:00		24	1.2800	16.49		13.7400	18.1			Y	
25	J1RR8	D7F260172 -15	16:00		25	1.2800	14.88		12.7200	15.9			Y	
26	J1RTC	D7F260172 -16	16:00		26	1.2900	15.88		13.4400	16.7			Y	
27	J1RTD	D7F260172 -17	16:00		27	1.2900	14.26		13.0200	9.56			Y	
28	J1RTM	D7F260172 -18	16:00		28	1.2900	15.78		14.1700	11.1			Y	
29	J1RTR	D7F260172 -19	16:00		29	1.2900	14.69		12.7800	14.3			Y	
30	J1RTT	D7F260172 -20	16:00		30	1.2900	16.79		13.2900	22.6			Y	
31	J1RTW	D7F260172 -21	16:00		31	1.3000	15.49		12.0100	24.5			Y	
32	J1RTW-X	D7F260172 -21	16:00	0	32	1.2900	15.21		11.8700	24			Y	2.2%
33	J1RT3	D7F260172 -22	16:00		33	1.2700	16.81		15.3500	9.4			Y	
34	J1RT7	D7F260172 -23	16:00		34	1.2700	15.67		13.9500	11.9			Y	
35	J1RT9	D7F260172 -24	16:00		35	1.2900	16.83		14.0700	17.8			Y	
36	J1RVC	D7F260172 -25	16:00		36	1.2900	17.61		15.3300	14			Y	
37	J1RVK	D7F260172 -26	16:00		37	1.2700	15.68		13.7300	13.5			Y	
38	J1RVT	D7F260172 -27	16:00		38	1.3000	15.18		13.4300	12.6			Y	
39	J1RV0	D7F260172 -28	16:00		39	1.2800	15.19		13.3600	13.2			Y	
40	J1XHL	D7F270299 -1	16:00		40	1.2900	16.85		16.6200	1.48			Y	
41	J1XHR	D7F270299 -2	16:00		41	1.2900	17.32		17.0100	1.93			Y	
42	J1XHT	D7F270299 -3	16:00		42	1.3000	16.87		16.6600	1.35			Y	
43	J1XHV	D7F270299 -4	16:00		43	1.3000	15.79		15.6000	1.31			Y	
44	J1XHX	D7F270299 -5	16:00		44	1.2900	14.34		14.2200	0.92			Y	
45	J1XH0	D7F270299 -6	16:00		45	1.2900	14.49		14.3600	0.98			Y	
46	J1XH1	D7F270299 -7	16:00		46	1.2900	15.04		14.9300	0.8			Y	

GRAVIMETRIC CALCULATION BENCHSHEET

ANALYST: CGG
REVIEWED BY: CGG
BATCH NO.: 7188135-6-7-8-9
Prep Code: 88
Method Code: WM,NJ

ANALYSIS DATE: 07/07/07
REVIEW DATE: 07/08/07

METHOD NO.: MOIS
BALANCE NO.: BAL
FILE: 70707A

Date/Time In: 7/7/2007 16:00
Date/Time Out: 7/18/2007 14:00
Temp In, C: 97
Temp Out, C: 98

Date/Time In:
Date/Time Out:
Temp In, C:
Temp Out, C:

	Lab ID	Lot-Sample	Time	True Conc. %	Dish #	Tare Wt. gram	Initial GW g	Init Dried Wt. g	Final Dried W g	Percent Moisture %	%Rec.	Check	Upload by CGG Upload?	%D
47	J1XH4	D7F270299 -8	16:00		47	1.2900	16.09		15.9400	1.01			Y	
48	J1XH6	D7F270299 -9	16:00		48	1.2900	15.21		14.6500	4.02			Y	
49	J1XH8	D7F270299 -10	16:00		49	1.3000	15.5		15.3800	0.85			Y	
50	J1XH9	D7F270299 -11	16:00		50	1.3000	15.95		15.8400	0.75			Y	
51	J1V13	D7F270150 -1	16:00		51	1.2900	16.46		14.4700	13.1			Y	
52	J107L	D7F280190 -1	16:00		52	1.3000	16.34		13.8900	16.3			Y	
53	J11FA	D7F280208 -13	16:00		53	1.3000	15.13		10.8700	30.8			Y	
54	J11F5	D7F280208 -14	16:00		54	1.2800	16		11.1700	32.8			Y	
55	J11F6	D7F280208 -15	16:00		55	1.2900	14.27		7.4200	52.8			Y	
56	J11GC	D7F280208 -16	16:00		56	1.2900	15.66		7.4200	57.3			Y	
57	J11GE	D7F280208 -17	16:00		57	1.2900	17.63		9.9600	46.9			Y	
58	J11GF	D7F280208 -18	16:00		58	1.3000	17.05		9.3700	48.8			Y	
59	J11GJ	D7F280208 -19	16:00		59	1.3000	16.08		11.5900	30.4			Y	
60	J11GN	D7F280208 -20	16:00		60	1.2700	15		9.8900	37.2			Y	
61	J1E9J	F7F200362 -1	16:00		61	1.2900	17.39		16.4300	5.96			Y	
62	J1E9J-X	F7F200362 -1	16:00	0	62	1.3000	14.61		13.9300	5.11			Y	15.4%
63	J1E9K	F7F200362 -2	16:00		63	1.3000	14.37		13.5500	6.27			Y	
64	J1E9L	F7F200362 -3	16:00		64	1.3000	14.73		13.6500	8.04			Y	
65	J1E9M	F7F200362 -4	16:00		65	1.2800	15.34		11.9700	24			Y	
66	J1E9N	F7F200362 -5	16:00		66	1.3000	16.93		13.2200	23.7			Y	
67	J1E9P	F7F200362 -6	16:00		67	1.2800	16.53		10.6300	38.7			Y	
68	J1E9Q	F7F200362 -7	16:00		68	1.2700	15.34		9.7200	39.9			Y	
69	J13V4	D7F290210 -1	16:00		69	1.3000	16.31		15.7800	3.53			Y	
70	J13V9	D7F290210 -2	16:00		70	1.2900	18.13		17.7300	2.38			Y	
71	J13WA	D7F290210 -3	16:00		71	1.2900	14.45		13.9900	3.5			Y	
72	J1E6H	F7F200348 -1	16:00		72	1.3100	16.24		15.6100	4.22			Y	
73	J1E6H-X	F7F200348 -1	16:00	0	73	1.3100	14.37		13.8800	3.75			Y	11.7%
74	J1E68	F7F200348 -2	16:00		74	1.2900	14.8		14.1900	4.52			Y	
75	J1E69	F7F200348 -3	16:00		75	1.3000	15.82		15.1400	4.68			Y	
76	J1E7G	F7F200348 -4	16:00		76	1.2900	16.3		9.4100	45.9			Y	
77	J1E7H	F7F200348 -5	16:00		77	1.3000	16.12		12.4000	25.1			Y	
78	J1E7J	F7F200348 -6	16:00		78	1.2800	15.61		8.8200	47.4			Y	
79	X	X	16:00		79								Y	
80	X	X	16:00		80									
81	X	X	16:00		81									
82	X	X	16:00		82									
83	X	X	16:00		83									
84	X	X	16:00		84									
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