Appendix F
Analytical Data

Analytical Report For 608156

for

Shaw E&I, Inc

Project Manager: Tim Roth

Project Name: Camp Addair - Shaw FUDS MMRP Site - 017

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Nine soil samples were received on 08/26/2006. The samples were delivered by Federal Express. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Explosives/Propellants

Nine soil samples were extracted and analyzed for explosive compounds including Nitroglycerine, using SW846 method 8330A.

The extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate analyses were performed on sample NWO-017-0022. 4-Amino-2,6-dinitrotoluene recovery in the MS was slightly below the QC limits. All other spike recoveries were within the QC limits for both SW8330A analytes and Nitroglycerine.

A laboratory control sample was extracted and analyzed along with the sample batch. All recoveries were within the QC limits for both SW8330A analytes and Nitroglycerine.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

PETN Analyses

Nine soil samples were extracted and analyzed for PETN using the modified SW846 method 8330A.

The extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate analysis was performed on sample NWO-017-0022. The percent recoveries were within the QC limits, A laboratory control sample was extracted and analyzed with the batch. The recoveries were within the QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

Metals

Nine soil samples were analyzed for aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, strontium, titanium, zinc, and mercury. EPA SW846 methods were used. The samples were analyzed by ICPMS in order to meet the required reporting limits.

The samples were air dried, crushed, and then sieved. The sieved samples were digested for all analytes. All the samples are

assumed one hundred percent solid because dried samples were used for the digestions.

On form one, The software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than ½ the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.

A matrix spike, matrix spike duplicate, and serial dilution were performed on the batch sample 608158-005 for all required ICPMS analytes. The matrix spike was outside of the control limits for antimony; matrix spike duplicate for antimony and barium; all associated data were flagged with an "N". A post digestion analytical spike was performed with a recovery of 103% for antimony and 81% for barium. No control limits were applied to the matrix spike for aluminum, iron, manganese and titanium; matrix spike duplicate for aluminum, iron, magnesium, manganese and titanium due to an insignificant spike addition. The serial dilution was outside of the control limits for chromium and zinc; all associated data were flagged with an "E".

A matrix spike and matrix spike duplicate were performed on sample NOW-017-0046 for mercury.
They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Pat Wiedeselm

Reviewed By,

Project Manager

Approved By,

Laboratory Director

Sample Summary Report

Shaw E&I, Inc

Work Order: 608156

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
NWO-017-0022	608156-001-001-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-001-001-1/2	SW8330A			
	608156-001-001-1/2	SW6020_MM			
	608156-001-001-1/2	SW7471A			
	608156-001-001-1/2	CLP_SOLIDS			
NWO-017-0023	608156-002-003-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-002-003-1/2	SW8330A			
	608156-002-003-1/2	SW6020_MM			
	608156-002-003-1/2	SW7471A			
	608156-002-003-1/2	CLP_SOLIDS			
NWO-017-0027	608156-004-007-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-004-007-1/2	SW8330A			
	608156-004-007-1/2	SW6020_MM			
	608156-004-007-1/2	SW7471A			
	608156-004-007-1/2	CLP_SOLIDS			
NWO-017-0028	608156-005-009-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-005-009-1/2	SW8330A			
	608156-005-009-1/2	SW6020_MM			
	608156-005-009-1/2	SW7471A			
	608156-005-009-1/2	CLP_SOLIDS			
NWO-017-0030	608156-006-011-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-006-011-1/2	SW8330A			
	608156-006-011-1/2	SW6020_MM			
	608156-006-011-1/2	SW7471A			
	608156-006-011-1/2	CLP_SOLIDS			
NWO-017-0046	608156-007-013-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-007-013-1/2	SW8330A			
	608156-007-013-1/2	SW6020_MM			
	608156-007-013-1/2	SW7471A			
	608156-007-013-1/2	CLP_SOLIDS			
NWO-017-1003	608156-003-005-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-003-005-1/2	SW8330A			
	608156-003-005-1/2	SW6020_MM			

Sample Summary Report

Shaw E&I, Inc

Work Order: 608156

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
	608156-003-005-1/2	SW7471A			
	608156-003-005-1/2	CLP_SOLIDS			
NWO-017-1012	608156-008-015-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-008-015-1/2	SW8330A			
	608156-008-015-1/2	SW6020_MM			
	608156-008-015-1/2	SW7471A			
	608156-008-015-1/2	CLP_SOLIDS			
NWO-017-1013	608156-009-017-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608156-009-017-1/2	SW8330A			
	608156-009-017-1/2	SW6020_MM			
	608156-009-017-1/2	SW7471A			
	608156-009-017-1/2	CLP_SOLIDS			

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0022	Lab Sample ID:	608156-001-001-1/2
Sample Date/Time:	08/23/2006 09:20	Percent Moisture:	7.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	05:52
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	09:07

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	90 %	31 - 129	1	09/12/06	09:07

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0022	Lab Sample ID:	608156-001-001-1/2
Sample Date/Time:	08/23/2006 09:20	Percent Moisture:	7.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	05:52
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	05:52
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	05:52
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	05:52
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	05:52
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	05:52
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	05:52

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	76 %	31 - 129	1	09/12/06	05:52

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0022	Lab Sample ID:	608156-001-001-1/2
Sample Date/Time:	08/23/2006 09:20	Percent Moisture:	7.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**22800**	**D**	**82**	**10**	**mg/kg**	**09/08/06**	**22:43**
2)	Antimony	BQL	UN	0.82	10	mg/kg	09/08/06	22:43
3)	**Barium**	**146**	**ND**	**4.1**	**10**	**mg/kg**	**09/08/06**	**22:43**
4)	Cadmium	0.22	JD	0.41	10	mg/kg	09/08/06	22:43
5)	**Chromium**	**29.2**	**ED**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:43**
6)	**Cobalt**	**24.1**	**DB**	**0.41**	**10**	**mg/kg**	**09/08/06**	**22:43**
7)	**Copper**	**28.8**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:43**
8)	**Iron**	**31900**	**D**	**41**	**10**	**mg/kg**	**09/08/06**	**22:43**
9)	**Lead**	**13.6**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:43**
10)	**Magnesium**	**3760**	**D**	**82**	**10**	**mg/kg**	**09/08/06**	**22:43**
11)	**Manganese**	**806**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:43**
12)	Molybdenum	0.60	JD	4.1	10	mg/kg	09/08/06	22:43
13)	**Nickel**	**13.8**	**D**	**0.82**	**10**	**mg/kg**	**09/08/06**	**22:43**
14)	**Strontium**	**41.4**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:43**
15)	**Titanium**	**539**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:43**
16)	**Zinc**	**52.1**	**ED**	**8.2**	**10**	**mg/kg**	**09/08/06**	**22:43**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0022	Lab Sample ID:	608156-001-001-1/2
Sample Date/Time:	08/23/2006 09:20	Percent Moisture:	7.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.089**		**0.03**	**1**	**mg/kg**	**09/11/06**	**15:16**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0022	Lab Sample ID:	608156-001-001-1/2
Sample Date/Time:	08/23/2006 09:20	Percent Moisture:	7.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**93**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0023	Lab Sample ID:	608156-002-003-1/2
Sample Date/Time:	08/23/2006 11:00	Percent Moisture:	7.46
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	06:52
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	10:11

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	102 %	31 - 129	1	09/12/06	10:11

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0023	Lab Sample ID:	608156-002-003-1/2
Sample Date/Time:	08/23/2006 11:00	Percent Moisture:	7.46
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	06:52
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	06:52
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	06:52
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	06:52
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	06:52
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	06:52
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	06:52

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	94 %	31 - 129	1	09/12/06	06:52

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0023	Lab Sample ID:	608156-002-003-1/2
Sample Date/Time:	08/23/2006 11:00	Percent Moisture:	7.46
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**15200**	**D**	**73**	**10**	**mg/kg**	**09/08/06**	**22:49**
2)	Antimony	BQL	UN	0.73	10	mg/kg	09/08/06	22:49
3)	**Barium**	**96.1**	**ND**	**3.6**	**10**	**mg/kg**	**09/08/06**	**22:49**
4)	Cadmium	0.13	JD	0.36	10	mg/kg	09/08/06	22:49
5)	**Chromium**	**23.6**	**ED**	**1.5**	**10**	**mg/kg**	**09/08/06**	**22:49**
6)	**Cobalt**	**8.8**	**DB**	**0.36**	**10**	**mg/kg**	**09/08/06**	**22:49**
7)	**Copper**	**11.9**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**22:49**
8)	**Iron**	**26400**	**D**	**36.5**	**10**	**mg/kg**	**09/08/06**	**22:49**
9)	**Lead**	**7.9**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**22:49**
10)	**Magnesium**	**858**	**D**	**73**	**10**	**mg/kg**	**09/08/06**	**22:49**
11)	**Manganese**	**600**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**22:49**
12)	Molybdenum	0.34	JD	3.6	10	mg/kg	09/08/06	22:49
13)	**Nickel**	**7.4**	**D**	**0.73**	**10**	**mg/kg**	**09/08/06**	**22:49**
14)	**Strontium**	**6.0**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**22:49**
15)	**Titanium**	**360**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**22:49**
16)	**Zinc**	**28.6**	**ED**	**7.3**	**10**	**mg/kg**	**09/08/06**	**22:49**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0023	Lab Sample ID:	608156-002-003-1/2
Sample Date/Time:	08/23/2006 11:00	Percent Moisture:	7.46
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.034**		**0.029**	**1**	**mg/kg**	**09/11/06**	**15:23**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0023	Lab Sample ID:	608156-002-003-1/2
Sample Date/Time:	08/23/2006 11:00	Percent Moisture:	7.46
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**92**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1003	Lab Sample ID:	608156-003-005-1/2
Sample Date/Time:	08/23/2006 12:15	Percent Moisture:	20.2
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	07:51
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	10:33

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	116 %	31 - 129	1	09/12/06	10:33

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1003	Lab Sample ID:	608156-003-005-1/2
Sample Date/Time:	08/23/2006 12:15	Percent Moisture:	20.2
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	07:51
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	07:51
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	07:51
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	07:51
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	07:51
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	07:51
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	07:51

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	92 %	31 - 129	1	09/12/06	07:51

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1003	Lab Sample ID:	608156-003-005-1/2
Sample Date/Time:	08/23/2006 12:15	Percent Moisture:	20.2
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**19200**	**D**	**81.3**	**10**	**mg/kg**	**09/08/06**	**22:55**
2)	Antimony	BQL	UN	0.81	10	mg/kg	09/08/06	22:55
3)	**Barium**	**142**	**ND**	**4.1**	**10**	**mg/kg**	**09/08/06**	**22:55**
4)	Cadmium	0.16	JD	0.41	10	mg/kg	09/08/06	22:55
5)	**Chromium**	**23.8**	**ED**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:55**
6)	**Cobalt**	**12.4**	**DB**	**0.41**	**10**	**mg/kg**	**09/08/06**	**22:55**
7)	**Copper**	**12.1**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:55**
8)	**Iron**	**27800**	**D**	**40.7**	**10**	**mg/kg**	**09/08/06**	**22:55**
9)	**Lead**	**11.9**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:55**
10)	**Magnesium**	**1730**	**D**	**81.3**	**10**	**mg/kg**	**09/08/06**	**22:55**
11)	**Manganese**	**712**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:55**
12)	Molybdenum	0.36	JD	4.1	10	mg/kg	09/08/06	22:55
13)	**Nickel**	**10.6**	**D**	**0.81**	**10**	**mg/kg**	**09/08/06**	**22:55**
14)	**Strontium**	**39.0**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:55**
15)	**Titanium**	**206**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**22:55**
16)	**Zinc**	**34.3**	**ED**	**8.1**	**10**	**mg/kg**	**09/08/06**	**22:55**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1003	Lab Sample ID:	608156-003-005-1/2
Sample Date/Time:	08/23/2006 12:15	Percent Moisture:	20.2
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.058**		**0.028**	**1**	**mg/kg**	**09/11/06**	**15:25**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1003	Lab Sample ID:	608156-003-005-1/2
Sample Date/Time:	08/23/2006 12:15	Percent Moisture:	20.2
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**80**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0027	Lab Sample ID:	608156-004-007-1/2
Sample Date/Time:	08/23/2006 17:05	Percent Moisture:	21.91
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	11:49
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	10:54

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	83 %	31 - 129	1	09/12/06	10:54

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0027	Lab Sample ID:	608156-004-007-1/2
Sample Date/Time:	08/23/2006 17:05	Percent Moisture:	21.91
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	11:49
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	11:49
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	11:49
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	11:49
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	11:49
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	11:49
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	11:49

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	89 %	31 - 129	1	09/12/06	11:49

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0027	Lab Sample ID:	608156-004-007-1/2
Sample Date/Time:	08/23/2006 17:05	Percent Moisture:	21.91
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**21500**	**D**	**84**	**10**	**mg/kg**	**09/08/06**	**23:01**
2)	Antimony	0.19	JND	0.84	10	mg/kg	09/08/06	23:01
3)	**Barium**	**179**	**ND**	**4.2**	**10**	**mg/kg**	**09/08/06**	**23:01**
4)	Cadmium	0.30	JD	0.42	10	mg/kg	09/08/06	23:01
5)	**Chromium**	**27.5**	**ED**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:01**
6)	**Cobalt**	**14.9**	**DB**	**0.42**	**10**	**mg/kg**	**09/08/06**	**23:01**
7)	**Copper**	**39.6**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:01**
8)	**Iron**	**32100**	**D**	**42**	**10**	**mg/kg**	**09/08/06**	**23:01**
9)	**Lead**	**13.0**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:01**
10)	**Magnesium**	**4880**	**D**	**84**	**10**	**mg/kg**	**09/08/06**	**23:01**
11)	**Manganese**	**740**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:01**
12)	Molybdenum	0.61	JD	4.2	10	mg/kg	09/08/06	23:01
13)	**Nickel**	**18.8**	**D**	**0.84**	**10**	**mg/kg**	**09/08/06**	**23:01**
14)	**Strontium**	**41.0**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:01**
15)	**Titanium**	**1560**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:01**
16)	**Zinc**	**82.3**	**ED**	**8.4**	**10**	**mg/kg**	**09/08/06**	**23:01**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0027	Lab Sample ID:	608156-004-007-1/2
Sample Date/Time:	08/23/2006 17:05	Percent Moisture:	21.91
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.041**		**0.03**	**1**	**mg/kg**	**09/11/06**	**15:28**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0027	Lab Sample ID:	608156-004-007-1/2
Sample Date/Time:	08/23/2006 17:05	Percent Moisture:	21.91
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**78**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0028	Lab Sample ID:	608156-005-009-1/2
Sample Date/Time:	08/23/2006 15:50	Percent Moisture:	6.76
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	12:49
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	11:15

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	93 %	31 - 129	1	09/12/06	11:15

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0028	Lab Sample ID:	608156-005-009-1/2
Sample Date/Time:	08/23/2006 15:50	Percent Moisture:	6.76
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	12:49
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	12:49
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	12:49
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	12:49
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	12:49
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	12:49
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	12:49

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	80 %	31 - 129	1	09/12/06	12:49

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0028	Lab Sample ID:	608156-005-009-1/2
Sample Date/Time:	08/23/2006 15:50	Percent Moisture:	6.76
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**24100**	**D**	**78.1**	**10**	**mg/kg**	**09/08/06**	**23:07**
2)	Antimony	0.16	JND	0.78	10	mg/kg	09/08/06	23:07
3)	**Barium**	**168**	**ND**	**3.9**	**10**	**mg/kg**	**09/08/06**	**23:07**
4)	Cadmium	0.31	JD	0.39	10	mg/kg	09/08/06	23:07
5)	**Chromium**	**29.1**	**ED**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:07**
6)	**Cobalt**	**16.0**	**DB**	**0.39**	**10**	**mg/kg**	**09/08/06**	**23:07**
7)	**Copper**	**18.6**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:07**
8)	**Iron**	**31300**	**D**	**39.1**	**10**	**mg/kg**	**09/08/06**	**23:07**
9)	**Lead**	**14.9**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:07**
10)	**Magnesium**	**4590**	**D**	**78.1**	**10**	**mg/kg**	**09/08/06**	**23:07**
11)	**Manganese**	**856**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:07**
12)	Molybdenum	0.48	JD	3.9	10	mg/kg	09/08/06	23:07
13)	**Nickel**	**17.8**	**D**	**0.78**	**10**	**mg/kg**	**09/08/06**	**23:07**
14)	**Strontium**	**23.4**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:07**
15)	**Titanium**	**1680**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:07**
16)	**Zinc**	**71.9**	**ED**	**7.8**	**10**	**mg/kg**	**09/08/06**	**23:07**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0028	Lab Sample ID:	608156-005-009-1/2
Sample Date/Time:	08/23/2006 15:50	Percent Moisture:	6.76
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	0.024	J	0.033	1	mg/kg	09/11/06	15:30

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0028	Lab Sample ID:	608156-005-009-1/2
Sample Date/Time:	08/23/2006 15:50	Percent Moisture:	6.76
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**93**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0030	Lab Sample ID:	608156-006-011-1/2
Sample Date/Time:	08/23/2006 13:25	Percent Moisture:	6.96
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	13:48
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	12:19

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	91 %	31 - 129	1	09/12/06	12:19

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0030	Lab Sample ID:	608156-006-011-1/2
Sample Date/Time:	08/23/2006 13:25	Percent Moisture:	6.96
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
2)	1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
3)	2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
4)	2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
5)	2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
6)	2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
7)	4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
8)	HMX	BQL	U	0.080	1	mg/kg	09/12/06	13:48
9)	Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	13:48
10)	RDX	BQL	U	0.080	1	mg/kg	09/12/06	13:48
11)	Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	13:48
12)	m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	13:48
13)	o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	13:48
14)	p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	13:48

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15)	4-Nitroaniline	71 %	31 - 129	1	09/12/06	13:48

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0030	Lab Sample ID:	608156-006-011-1/2
Sample Date/Time:	08/23/2006 13:25	Percent Moisture:	6.96
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**21600**	**D**	**82**	**10**	**mg/kg**	**09/08/06**	**23:13**
2)	Antimony	0.16	JND	0.82	10	mg/kg	09/08/06	23:13
3)	**Barium**	**141**	**ND**	**4.1**	**10**	**mg/kg**	**09/08/06**	**23:13**
4)	Cadmium	0.24	JD	0.41	10	mg/kg	09/08/06	23:13
5)	**Chromium**	**31.6**	**ED**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:13**
6)	**Cobalt**	**22.5**	**DB**	**0.41**	**10**	**mg/kg**	**09/08/06**	**23:13**
7)	**Copper**	**36.7**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:13**
8)	**Iron**	**37100**	**D**	**41**	**10**	**mg/kg**	**09/08/06**	**23:13**
9)	**Lead**	**22.9**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:13**
10)	**Magnesium**	**2890**	**D**	**82**	**10**	**mg/kg**	**09/08/06**	**23:13**
11)	**Manganese**	**724**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:13**
12)	Molybdenum	0.55	JD	4.1	10	mg/kg	09/08/06	23:13
13)	**Nickel**	**13.5**	**D**	**0.82**	**10**	**mg/kg**	**09/08/06**	**23:13**
14)	**Strontium**	**27.9**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:13**
15)	**Titanium**	**312**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:13**
16)	**Zinc**	**59.5**	**ED**	**8.2**	**10**	**mg/kg**	**09/08/06**	**23:13**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0030	Lab Sample ID:	608156-006-011-1/2
Sample Date/Time:	08/23/2006 13:25	Percent Moisture:	6.96
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.086**		**0.032**	**1**	**mg/kg**	**09/11/06**	**15:32**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0030	Lab Sample ID:	608156-006-011-1/2
Sample Date/Time:	08/23/2006 13:25	Percent Moisture:	6.96
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**93**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0046	Lab Sample ID:	608156-007-013-1/2
Sample Date/Time:	08/23/2006 16:10	Percent Moisture:	4.22
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	14:48
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	12:40

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	111 %	31 - 129	1	09/12/06	12:40

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0046	Lab Sample ID:	608156-007-013-1/2
Sample Date/Time:	08/23/2006 16:10	Percent Moisture:	4.22
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
2)	1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
3)	2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
4)	2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
5)	2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
6)	2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
7)	4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
8)	HMX	BQL	U	0.080	1	mg/kg	09/12/06	14:48
9)	Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	14:48
10)	RDX	BQL	U	0.080	1	mg/kg	09/12/06	14:48
11)	Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	14:48
12)	m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	14:48
13)	o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	14:48
14)	p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	14:48

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15)	4-Nitroaniline	93 %	31 - 129	1	09/12/06	14:48

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0046	Lab Sample ID:	608156-007-013-1/2
Sample Date/Time:	08/23/2006 16:10	Percent Moisture:	4.22
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**25000**	**D**	**84.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
2)	Antimony	BQL	UN	0.85	10	mg/kg	09/08/06	23:20
3)	**Barium**	**157**	**ND**	**4.2**	**10**	**mg/kg**	**09/08/06**	**23:20**
4)	Cadmium	0.27	JD	0.42	10	mg/kg	09/08/06	23:20
5)	**Chromium**	**31.8**	**ED**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
6)	**Cobalt**	**17.8**	**DB**	**0.42**	**10**	**mg/kg**	**09/08/06**	**23:20**
7)	**Copper**	**20.4**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
8)	**Iron**	**32800**	**D**	**42.4**	**10**	**mg/kg**	**09/08/06**	**23:20**
9)	**Lead**	**11.6**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
10)	**Magnesium**	**4410**	**D**	**84.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
11)	**Manganese**	**830**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
12)	Molybdenum	0.28	JD	4.2	10	mg/kg	09/08/06	23:20
13)	**Nickel**	**14.3**	**D**	**0.85**	**10**	**mg/kg**	**09/08/06**	**23:20**
14)	**Strontium**	**25.4**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
15)	**Titanium**	**1010**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:20**
16)	**Zinc**	**53.0**	**ED**	**8.5**	**10**	**mg/kg**	**09/08/06**	**23:20**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0046	Lab Sample ID:	608156-007-013-1/2
Sample Date/Time:	08/23/2006 16:10	Percent Moisture:	4.22
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.038**		**0.03**	**1**	**mg/kg**	**09/11/06**	**15:34**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0046	Lab Sample ID:	608156-007-013-1/2
Sample Date/Time:	08/23/2006 16:10	Percent Moisture:	4.22
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**96**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1012	Lab Sample ID:	608156-008-015-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	19.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	15:47
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	13:02

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	102 %	31 - 129	1	09/12/06	13:02

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1012	Lab Sample ID:	608156-008-015-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	19.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	15:47
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	15:47
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	15:47
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	15:47
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	15:47
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	15:47
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	15:47

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	96 %	31 - 129	1	09/12/06	15:47

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1012	Lab Sample ID:	608156-008-015-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	19.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**12300**	**D**	**83.3**	**10**	**mg/kg**	**09/08/06**	**23:38**
2)	Antimony	BQL	UN	0.83	10	mg/kg	09/08/06	23:38
3)	**Barium**	**76.0**	**ND**	**4.2**	**10**	**mg/kg**	**09/08/06**	**23:38**
4)	Cadmium	0.18	JD	0.42	10	mg/kg	09/08/06	23:38
5)	**Chromium**	**19.9**	**ED**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:38**
6)	**Cobalt**	**17.2**	**DB**	**0.42**	**10**	**mg/kg**	**09/08/06**	**23:38**
7)	**Copper**	**14.1**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:38**
8)	**Iron**	**21200**	**D**	**41.7**	**10**	**mg/kg**	**09/08/06**	**23:38**
9)	**Lead**	**5.0**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:38**
10)	**Magnesium**	**1920**	**D**	**83.3**	**10**	**mg/kg**	**09/08/06**	**23:38**
11)	**Manganese**	**939**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:38**
12)	Molybdenum	BQL	UD	4.2	10	mg/kg	09/08/06	23:38
13)	**Nickel**	**6.2**	**D**	**0.83**	**10**	**mg/kg**	**09/08/06**	**23:38**
14)	**Strontium**	**19.7**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:38**
15)	**Titanium**	**379**	**D**	**1.7**	**10**	**mg/kg**	**09/08/06**	**23:38**
16)	**Zinc**	**27.8**	**ED**	**8.3**	**10**	**mg/kg**	**09/08/06**	**23:38**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1012	Lab Sample ID:	608156-008-015-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	19.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.034**		**0.028**	**1**	**mg/kg**	**09/11/06**	**15:42**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1012	Lab Sample ID:	608156-008-015-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	19.3
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**81**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1013	Lab Sample ID:	608156-009-017-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	17.58
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	16:47
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	13:23

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	87 %	31 - 129	1	09/12/06	13:23

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1013	Lab Sample ID:	608156-009-017-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	17.58
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
2)	1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
3)	2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
4)	2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
5)	2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
6)	2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
7)	4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
8)	HMX	BQL	U	0.080	1	mg/kg	09/12/06	16:47
9)	Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	16:47
10)	RDX	BQL	U	0.080	1	mg/kg	09/12/06	16:47
11)	Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	16:47
12)	m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	16:47
13)	o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	16:47
14)	p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	16:47

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15)	4-Nitroaniline	85 %	31 - 129	1	09/12/06	16:47

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1013	Lab Sample ID:	608156-009-017-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	17.58
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**16100**	**D**	**80.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
2)	Antimony	BQL	UN	0.81	10	mg/kg	09/08/06	23:44
3)	**Barium**	**104**	**ND**	**4**	**10**	**mg/kg**	**09/08/06**	**23:44**
4)	Cadmium	0.18	JD	0.4	10	mg/kg	09/08/06	23:44
5)	**Chromium**	**24.2**	**ED**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
6)	**Cobalt**	**17.7**	**DB**	**0.4**	**10**	**mg/kg**	**09/08/06**	**23:44**
7)	**Copper**	**18.4**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
8)	**Iron**	**25000**	**D**	**40.3**	**10**	**mg/kg**	**09/08/06**	**23:44**
9)	**Lead**	**5.9**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
10)	**Magnesium**	**2580**	**D**	**80.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
11)	**Manganese**	**1090**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
12)	Molybdenum	0.24	JD	4	10	mg/kg	09/08/06	23:44
13)	**Nickel**	**8.3**	**D**	**0.81**	**10**	**mg/kg**	**09/08/06**	**23:44**
14)	**Strontium**	**30.1**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
15)	**Titanium**	**510**	**D**	**1.6**	**10**	**mg/kg**	**09/08/06**	**23:44**
16)	**Zinc**	**38.5**	**ED**	**8.1**	**10**	**mg/kg**	**09/08/06**	**23:44**

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1013	Lab Sample ID:	608156-009-017-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	17.58
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.048**		**0.029**	**1**	**mg/kg**	**09/11/06**	**15:44**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1013	Lab Sample ID:	608156-009-017-1/2
Sample Date/Time:	08/23/2006 13:55	Percent Moisture:	17.58
Receipt Date/Time:	08/26/2006 09:57	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**82**		**1.0**	**1**	**%**	**08/28/06**	**12:10**

Qualifier Definitions

Shaw E&I, Inc

Work Order: 608156

All Departments

U Indicates that the compound was analyzed for but not detected

BQL Below Quantitation Limit

Organics

B Indicates that the analyte was found in the associated blank as well as in the sample

D Indicates that the analyte was reported from a diluted analysis

E Indicates that the concentration detected exceeded the calibration range of the instrument

J Value is less than the reporting limit but greater than the MDL

P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

Metals

J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)

H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

D Indicates that the analyte was reported from a diluted analysis

N Spiked sample recovery not within control limits

* Duplicate analysis not within control limits

GPL Laboratories

GPL LABORATORIES
7210A Corporate Ct.
Frederick, MD 21703
301 694-5310

CHAIN OF CUSTODY

C&C Number: NWO017-005

PAGE: 1 OF 1

GPL Project Manager:	Tim Mitchell	Client Name:	Shaw Environmental, Inc./Tim Bell	Phone: 865.560.5772	Dispose samples:
Project Name:	FUDS-MMRP NWO	Address:	312 Directors Drive	Cell:	Shipment Method: FedEx
Project Number:	113189	City, State:	Knoxville, TN	Zip Code: 37923	Waybill Number: 6774699187690

Comments: Herbicide Analysis Requested. X-Analyzes. Camp Adair MRS No. 3. Range Complexes

Preservatives and Containers

Shaw MMRP FUDS Site - 017 Camp Addair

Sample Information / Methods for Analysis

No	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, strontium, thallium, and zinc by SW-846 6020A	Mercury by SW-846 7471A	Explosives by SW-846 8330A	Nitroglycerin by SW-846 8330A (Modified)	PETN by SW-846 8330A (Modified)	Filter	Total # of Cans
1	NWO-017-0022	8-23-06	0926	SO	[illegible]	X	X	X	X	X	N	2
2	NWO-017-0023	8-23-06	1160	SO	[illegible]	X	X	X	X	X	N	2
3	NWO-017-0024			SO		X	X	X	X	X	N	2
4	NWO-017-0025			SO		X	X	X	X	X	N	2
5	NWO-017-0026			SO		X	X	X	X	X	N	2
6	NWO-017-1002			SO		X	X	X	X	X	N	2
7	NWO-017-1003	8-23-06	12:15	SO	[illegible]	X	X	X	X	X	N	2

Sample Matrix: WG= Groundwater; SO= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By:	Date:	Time:
[illegible]	8/24/06	1300
Received By: Fed Ex	Date: 8/24/06	Time: 1320
Relinquished By: Duke Landa	Date: 8/25/06	Time: 1500
Received By: FEDEX	Date: 8/25/06	Time: 1500
Relinquished By:	Date:	Time:

For Lab Use

GPL WORK ORDER #: 608156

PURCHASE ORDER #:

COOLER RECEIPT CONDITION

Date 8/26/06 10 AM

GPL Laboratories

CHAIN OF CUSTODY

CoC Number: NWO017-006

PAGE: 1 OF 1

GPL Project Manager:	[illegible]	Client Name:	Shaw Environmental, Inc. [illegible]	Phone:	[illegible]
Project Name:	FUDS MMRP WAG	Address:	302 Directive Drive	Cell:	
Project Number:	[illegible]	City, State:	Arcadia, TN	Zip Code:	37020

Special Instructions:
Shipment Method: FedEx
Waybill Number: 8559699857190

Comments: [illegible] Analysis Requested: Camp Adair MRS No. [illegible] Change Container 2

Preservatives and Containers: Ice Cool 4°C; Ice Cool 4°C

Shaw MMRP FUDS Site - 017 Camp Addair

Sample Information / Methods for Analysis

No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, strontium, thallium, and zinc by SW 846 6020A	Mercury by SW-846 7471A	Explosives by SW 846 8330A	Nitroaromatics by SW-846 8330A (Modified)	PETN by SW-846 8330A (Modified)					Filter	Total Bottles
1	NWO-017-0027	8-23-06	1635	SO	[illegible]	X	X	X	X	X					N	2
2	NWO-017-0028	8-23-06	[illegible]	SO	[illegible]	X	X	X	X	X					N	2
3	NWO-017-0029			SO		X	X	X	X	X					N	2
4	NWO-017-0030	8-23-06	1345	SO	[illegible]	X	X	X	X	X					N	2
5	NWO-017-0031			SO		X	X	X	X	X					N	2
6	NWO-017-0032			SO		X	X	X	X	X					N	2
7	NWO-017-0033			SO		X	X	X	X	X					N	2
8	NWO-017-0034			SO		X	X	X	X	X					N	2
9	NWO-017-0035			SO		X	X	X	X	X					N	2
10	NWO-017-0036			SO		X	X	X	X	X					N	2

1705 PL

Sample Matrix: WG= Groundwater; SO= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By: [illegible]	Date: 8/24/06	Time: 1500	
Received By: [illegible]	Date: 8/24/06	Time: 1500	
Relinquished By: [illegible]	Date: 8/25/06	Time: 1500	
Received By: FEDEX	Date: 8/25/06	Time: 1500	
Relinquished By:	Date:	Time:	

For Lab Use

GPL WORK ORDER #: 608156

PURCHASE ORDER #: _____

COOLER RECEIPT CONDITION

Donnie 8/26/06 10AM

GPL LABORATORIES
7210A Corporate Ct
Frederick, MD 21703
301-694-5310

CHAIN OF CUSTODY

CoC Number: NWO017-013

PAGE: 1 OF 1

GPL Project Manager: Tim Mikesell	Client Name: Shaw Environmental, Inc - Tim Gill	Phone: 865.220.3272	Delivered by/Courier:		
Project Name: FUDS MMRP NWO	Location: 317 Directors Drive	Cell:	Shipment Method:	Fed Ex	
Project Number: 6108	City, State: Knoxville, TN	Zip Code: 37922	Waybill Number: 8546991877 90		

Comments: Metals Analysis Request. X-Analyze. Camp Addair MRS No. 14: 1 x 6
Field Change Order No. 129

Preservatives and Containers

Shaw MMRP FUDS Site - 017 Camp Addair

8 oz GWM 4 °C

8 oz GWM 4 °C

Sample Information / Methods for Analysis

No.	FIELD Sample ID	Date Sampled (2006)	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, titanium, vanadium, zinc by SW-846 6020A	Mercury by SW-846 7471A	Explosives by SW-846 8330A	Nitroglycerin by SW-846 8330A (Modified)	PETN by SW-846 8330A (Modified)					Filter	TOTAL BOTTLES
1	NWO-017-0046	8-22	1610	SO	N/A	X	X	X	X	X					N	2
2	NWO-017-1002	8-23	1355	SO	N/A	X	X	X	X	X					N	2
3	NWO-017-1013	8-23	1355	SO	N/A	X	X	X	X	X					N	2

Sample Matrix: WG= Groundwater; SO= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By: [signature]	Date: 8/24/06	Time: 1500	
Received By: FEDEX [signature]	Date: 8/24/06	Time: 1500	
Relinquished By: [signature] R. Dale Lamb	Date: 8/25/06	Time: 1500	
Received By: Fedex	Date: 8/25/06	Time: 1500	
Relinquished By:	Date:	Time	

For Lab Use

GPL WORK ORDER #: 608156

PURCHASE ORDER #:

COOLER RECEIPT CONDITION

Downe 8/26/06 10 AM

FedEx ###### PRIORITY SATURDP
8546 9918 7190
26AUG06
A2
IAD
21703
XO FDKA

FedEx Billable Stamp
1 From
FedEx Priority Overnight
Expiration Date
Release Signature
2 To
GPL LABS
7210 A CORPORATE CT.
FREDERICK, MD 21703
(301) 694-5310
8546 9918 7190

FedEx Express

SDR

FedEx Saturday Delivery

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 608156

Client Name: SHAW

Date Received: 5/26/06

Time Received: 10 AM

Received By: Dolunia

Courier Name: FDX

Prepared (Logged In) By: MD 5/28/06 (Initials Date)

Project:

Site:

VOA Holding Block I.D. No.

	YES	NO
Airbill/Manifest Present?	✓	
No		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container?	✓	
Condition: Broken / Intact-not dated or signed / Intact-dated and signed		
Usage of Tamper Evident Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container? Type of Packing	✓	
Custody seals on Sample Bottles? Condition: Good / Broken	✓	
Total Number of Sample Bottles 18		
Total Number of Samples 9		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets		
Field Blanks: No. of Sets		
Equip. Blank: No. of Sets		✓
Field Duplicate: No. of Sets		✓
MS/MSD: No. of Sets		✓
VOA Vials Have Zero Headspace? If no, size is or greater than a Green Pea (see comments)		✓
Preservatives Added to Samples?		✓
pH Check Required? Performed by?		✓
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
1	3.0		

Project Manager Contacted? Yes
Name: Jim
Date Contacted: 5/26/06

Any NO response must be detailed in the comments section below. If items are not applicable to particular samples or contracts, they should be marked N/A

COMMENTS:

Checklist Completed By: MD
Date: 5/28/06

SOP No: F.2V15

LOW IMPACT EXPLOSIVES AND PROPELLANTS

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8330A** **SDG No : 608156**

Surrogate	NO2ANIL4
Lower QC Limits	**31**
Upper QC Limits	**129**
Sample ID	
BKS83534	104
BLK83534	110
NWO-017-0022	76
NWO-017-0022MS	83
NWO-017-0022MSD	81
NWO-017-0023	94
NWO-017-0027	89
NWO-017-0028	80
NWO-017-0030	71
NWO-017-0046	93
NWO-017-1003	92
NWO-017-1012	96
NWO-017-1013	85

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-0022MSD

Lab Name : GPL Laboratories SDG NO : 608156 Method : SW8330A

Lab Code : GPL Lab Sample ID : 608156-001-001-1/2MSD Matrix : SOIL Analysis Date : 09/12/2006

Compound	Spike Added (mg/kg)		CONCENTRATION (mg/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,3,5-Trinitrobenzene	.5	.5	0.0	0.44	0.44	88	88	0	25	75-125
1,3-Dinitrobenzene	.5	.5	0.0	0.46	0.46	92	92	0	25	80-125
2,4,6-Trinitrotoluene	.5	.5	0.0	0.49	0.48	96	96	0	25	55-140
2,4-Dinitrotoluene	.5	.5	0.0	0.43	0.43	86	86	0	25	80-125
2,6-Dinitrotoluene	.5	.5	0.0	0.51	0.50	102	100	2	25	80-120
2-Amino-4,6-Dinitrotoluene	.5	.5	0.0	0.43	0.43	86	86	0	25	80-125
4-Amino-2,6-Dinitrotoluene	.5	.5	0.0	0.39	0.40	78 *	80	3	25	80-125
HMX	.5	.5	0.0	0.47	0.46	94	92	2	25	75-125
Nitrobenzene	.5	.5	0.0	0.45	0.45	90	90	0	25	75-125
RDX	.5	.5	0.0	0.38	0.38	76	76	0	25	70-135
Tetryl	.5	.5	0.0	0.42	0.41	84	82	2	25	10-150
m-Nitrotoluene	.5	.5	0.0	0.45	0.46	90	92	2	25	75-120
o-Nitrotoluene	.5	.5	0.0	0.48	0.48	96	96	0	25	80-125
p-Nitrotoluene	.5	.5	0.0	0.47	0.45	94	90	4	25	75-125

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 14 Outside Limit
Spike Recovery : 1 Out of 28 outside limit

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-0022MSD

Lab Name : GPL Laboratories SDG NO : 608156 Method : SW8330

Lab Code : GPL Lab Sample ID : 608156-001-001-1/2MSD Matrix : SOIL Analysis Date : 09/12/2006

Compound	Spike Added (mg/kg)		CONCENTRATION (mg/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Nitroglycerine	20	20	0.0	12	12	60	60	0	25	50-150

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 1 Outside Limit
Spike Recovery : 0 Out of 2 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS83534

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8330A

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 608156
Lab Sample ID : BKS83534
Analysis Date : 09/11/2006

COMPOUND	SPIKE ADDED (mg/kg)	BLANK CONCENTRATION (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC	QC LIMTS
1,3,5-Trinitrobenzene	.5	0	0.41	82	75-125
1,3-Dinitrobenzene	.5	0	0.48	96	80-125
2,4,6-Trinitrotoluene	.5	0	0.50	100	55-140
2,4-Dinitrotoluene	.5	0	0.44	88	80-125
2,6-Dinitrotoluene	.5	0	0.53	106	80-120
2-Amino-4,6-Dinitrotoluene	.5	0	0.48	96	80-125
4-Amino-2,6-Dinitrotoluene	.5	0	0.47	94	80-125
HMX	.5	0	0.51	102	75-125
Nitrobenzene	.5	0	0.46	92	75-125
RDX	.5	0	0.50	100	70-135
Tetryl	.5	0	0.33	66	10-150
m-Nitrotoluene	.5	0	0.47	94	75-120
o-Nitrotoluene	.5	0	0.50	100	80-125
p-Nitrotoluene	.5	0	0.47	94	75-125

* Values Outside of QC Limits.

Spike recovery : 0 out of 14 outside limits

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS83547

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8330

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 608156
Lab Sample ID : BKS83547
Analysis Date : 09/12/2006

COMPOUND	SPIKE ADDED (mg/kg)	BLANK CONCENTRATION (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC	QC LIMTS
Nitroglycerine	20	0	11	55	50-150

* Values Outside of QC Limits.

Spike recovery : 0 out of 1 outside limits

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK83534

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	83534
Lab File ID :	LA16117.D	SDG NO :	608156
Date Analyzed	09/11/2006	Lab Sample ID :	BLK83534
Date Extracted :	09/01/2006	Time Analyzed :	22:55
Matrix :(Soil/Water).	SOIL	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS83534	BKS83534	LA16118.D	09/11/2006
NWO-017-0022MS	608156-001-001-1/2MS	LA16119.D	09/12/2006
NWO-017-0022MSD	608156-001-001-1/2MSD	LA16120.D	09/12/2006
NWO-017-0022	608156-001-001-1/2	LA16124.D	09/12/2006
NWO-017-0023	608156-002-003-1/2	LA16125.D	09/12/2006
NWO-017-1003	608156-003-005-1/2	LA16126.D	09/12/2006
NWO-017-0027	608156-004-007-1/2	LA16130.D	09/12/2006
NWO-017-0028	608156-005-009-1/2	LA16131.D	09/12/2006
NWO-017-0030	608156-006-011-1/2	LA16132.D	09/12/2006
NWO-017-0046	608156-007-013-1/2	LA16133.D	09/12/2006
NWO-017-1012	608156-008-015-1/2	LA16134.D	09/12/2006
NWO-017-1013	608156-009-017-1/2	LA16135.D	09/12/2006

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK83547

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	83547
Lab File ID :	LA16117.D	SDG NO :	608156
Date Analyzed	09/11/2006	Lab Sample ID :	BLK83547
Date Extracted :	09/01/2006	Time Analyzed :	22:55
Matrix :(Soil/Water).	SOIL	Level :(Low/Med)	

(Nitroglycerin)
THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS83547	BKS83547	LA16121.D	09/12/2006
NWO-017-0022MS	608156-001-001-1/2MS	LA16122.D	09/12/2006
NWO-017-0022MSD	608156-001-001-1/2MSD	LA16123.D	09/12/2006
NWO-017-0022	608156-001-001-1/2	LA16124.D	09/12/2006
NWO-017-0023	608156-002-003-1/2	LA16125.D	09/12/2006
NWO-017-1003	608156-003-005-1/2	LA16126.D	09/12/2006
NWO-017-0027	608156-004-007-1/2	LA16130.D	09/12/2006
NWO-017-0028	608156-005-009-1/2	LA16131.D	09/12/2006
NWO-017-0030	608156-006-011-1/2	LA16132.D	09/12/2006
NWO-017-0046	608156-007-013-1/2	LA16133.D	09/12/2006
NWO-017-1012	608156-008-015-1/2	LA16134.D	09/12/2006
NWO-017-1013	608156-009-017-1/2	LA16135.D	09/12/2006

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2
Sample Volume :	10.01	Lab File ID :	LA16124.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2
Sample Volume :	10.01	Lab File ID :	LA16124.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16124.D Vial: 10
Acq On : 12 Sep 2006 5:52 Operator: AG
Sample : 608156-001-001-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:31 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.46	14978994	114.530 ng/ml

Spiked Amount 150.000 Range 52 - 154 Recovery = 76.35%

Target Compounds

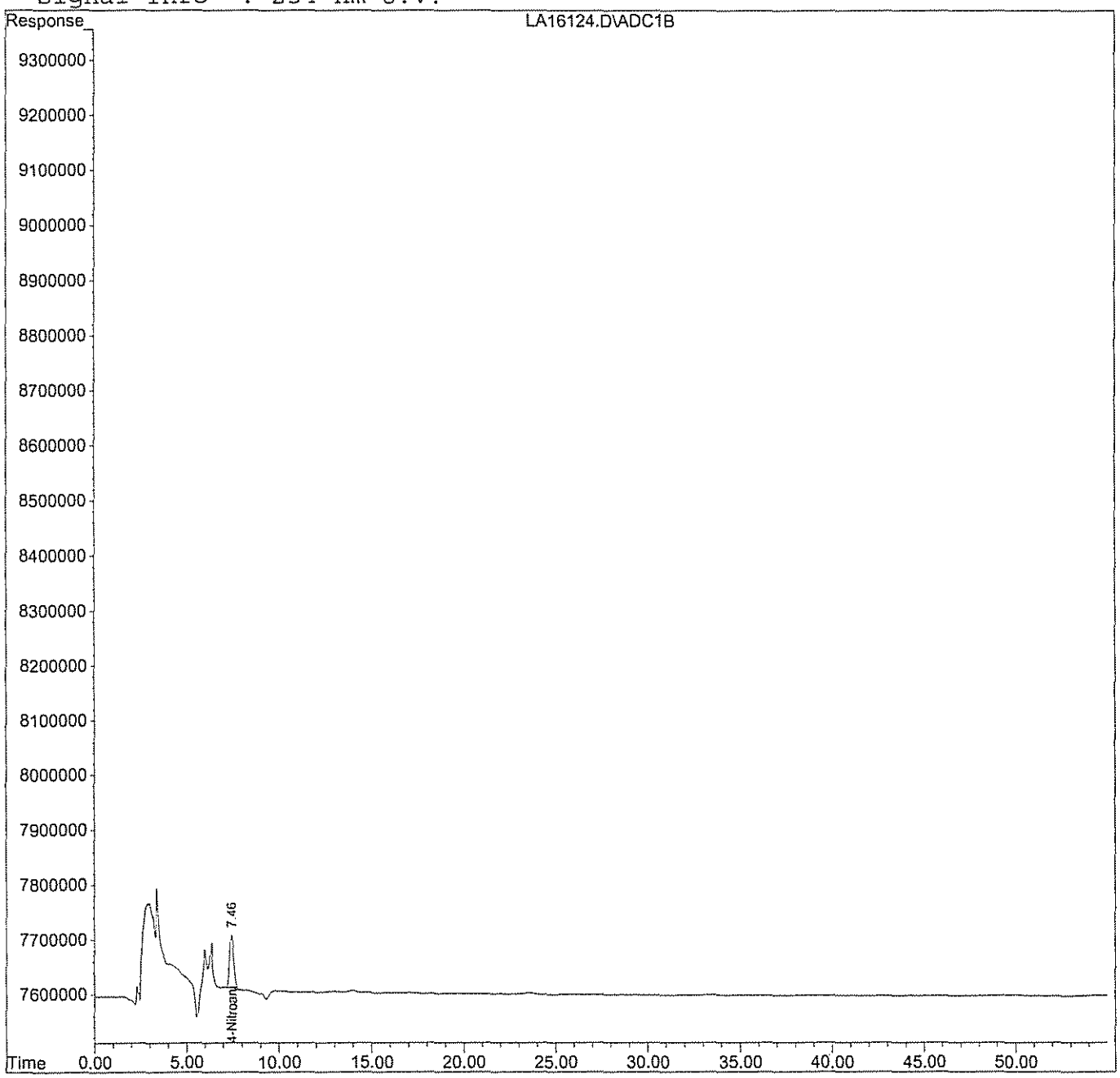
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16124.D Vial: 10
Acq On : 12 Sep 2006 5:52 Operator: AG
Sample : 608156-001-001-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:31 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16124.D Vial: 10
Acq On : 12 Sep 2006 5:52 Operator: AG
Sample : 608156-001-001-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:35 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	7.46	14976620	122.170	PPB
Spiked Amount 300.000		Recovery =	40.72%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

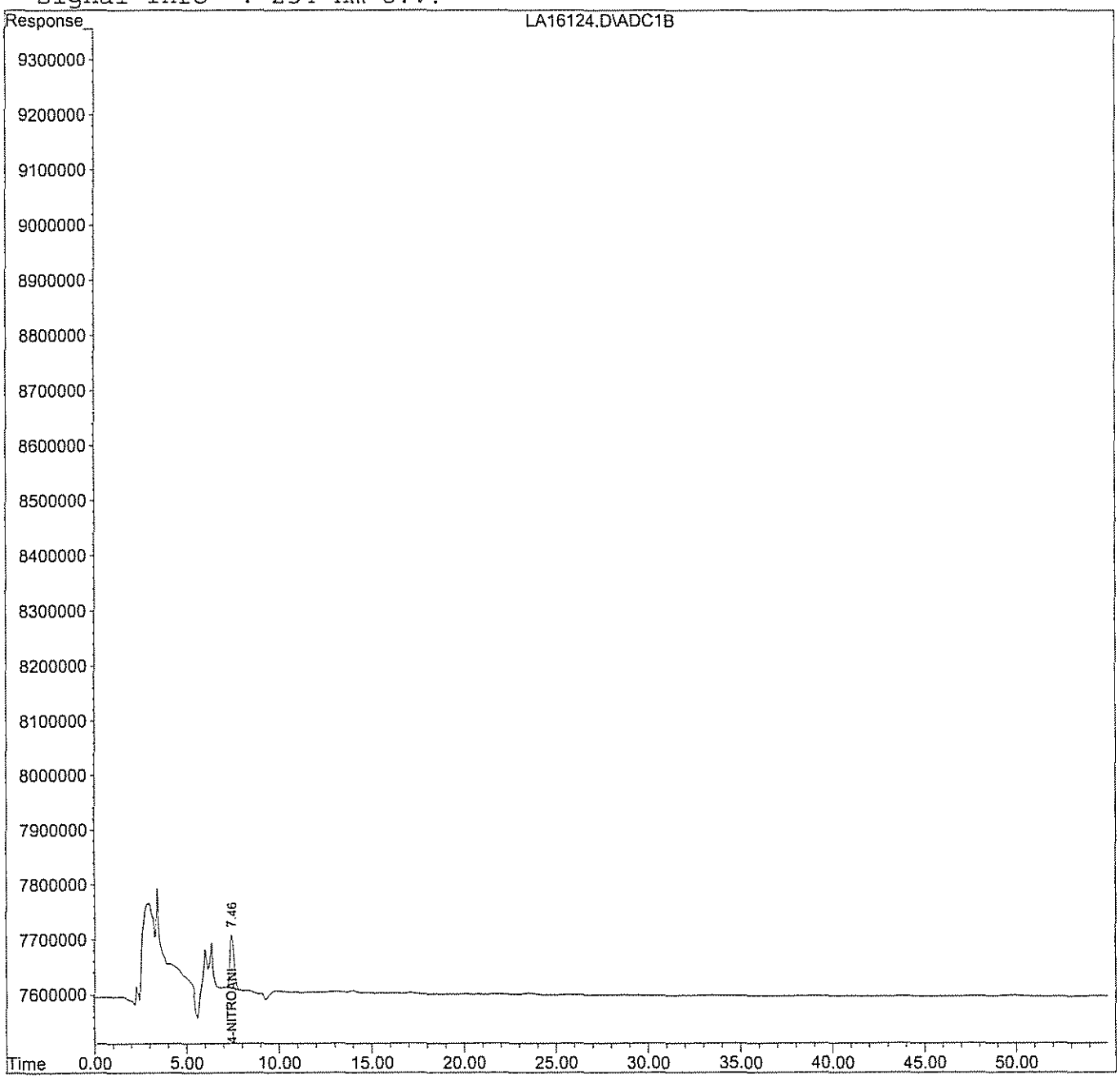
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16124.D Vial: 10
Acq On : 12 Sep 2006 5:52 Operator: AG
Sample : 608156-001-001-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:35 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16124.D 60607NG.M Sun Sep 17 10:07:35 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0023

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-002-003-1/2
Sample Volume :	10.03	Lab File ID :	LA16125.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0023

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-002-003-1/2
Sample Volume :	10.03	Lab File ID :	LA16125.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16125.D Vial: 11
Acq On : 12 Sep 2006 6:52 Operator: AG
Sample : 608156-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.45	18362048	140.396 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 93.60%			
Target Compounds			

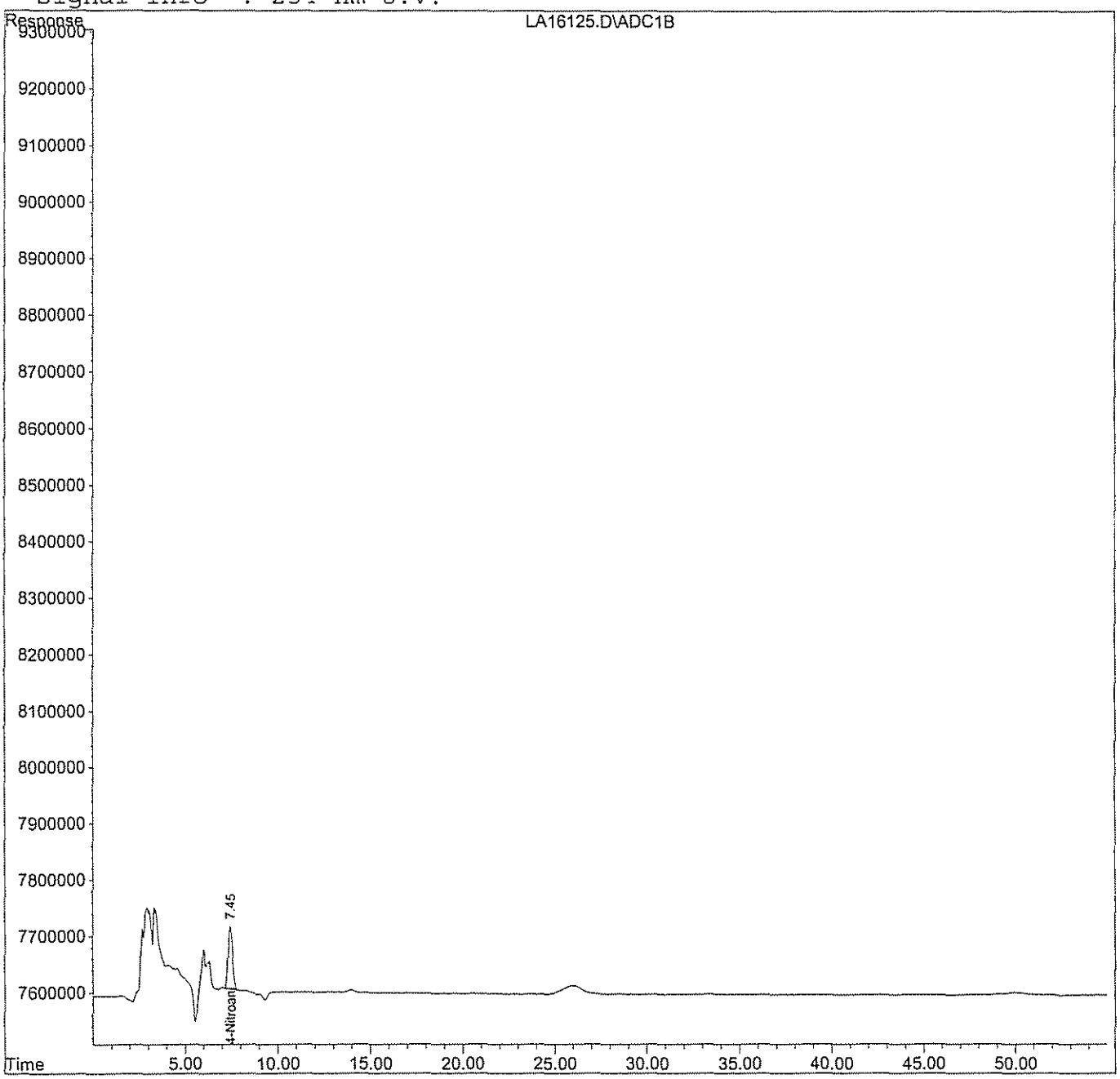
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16125.D Vial: 11
Acq On : 12 Sep 2006 6:52 Operator: AG
Sample : 608156-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36163.D Vial: 17
Acq On : 15 Sep 2006 2:44 Operator: SS
Sample : 608156-002 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:45 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.80	113019131	880.307 ng/mlm
Spiked Amount 150.000 Range 52 - 154 Recovery = 586.87%#			
Target Compounds			

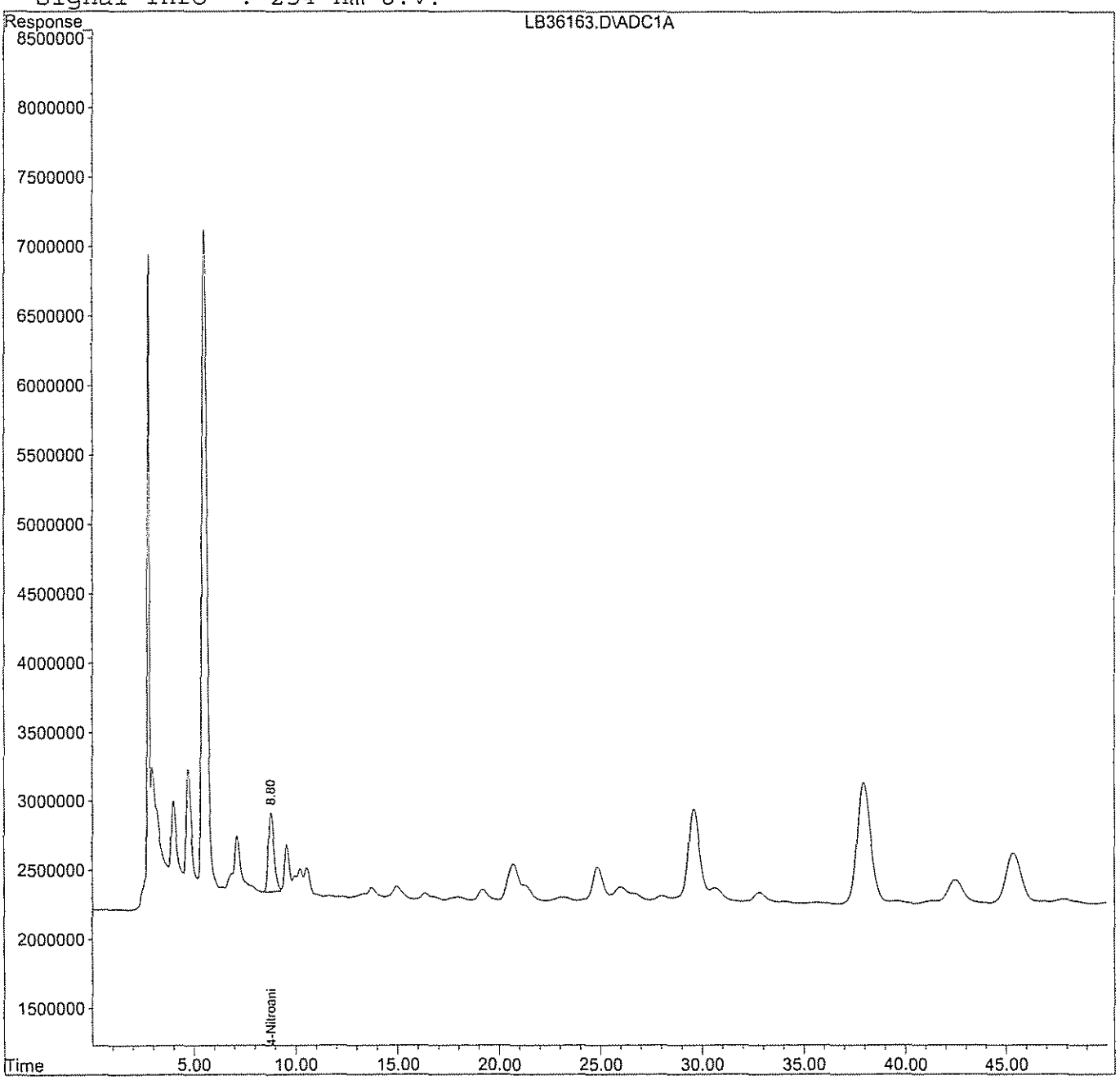
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36163.D Vial: 17
Acq On : 15 Sep 2006 2:44 Operator: SS
Sample : 608156-002 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:45 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



LB36163.D 073006C.M Sun Sep 17 09:45:55 2006 RPT Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16125.D Vial: 11
Acq On : 12 Sep 2006 6:52 Operator: AG
Sample : 608156-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:00 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.45	18398658	150.085 PPB
Spiked Amount 300.000		Recovery =	50.03%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

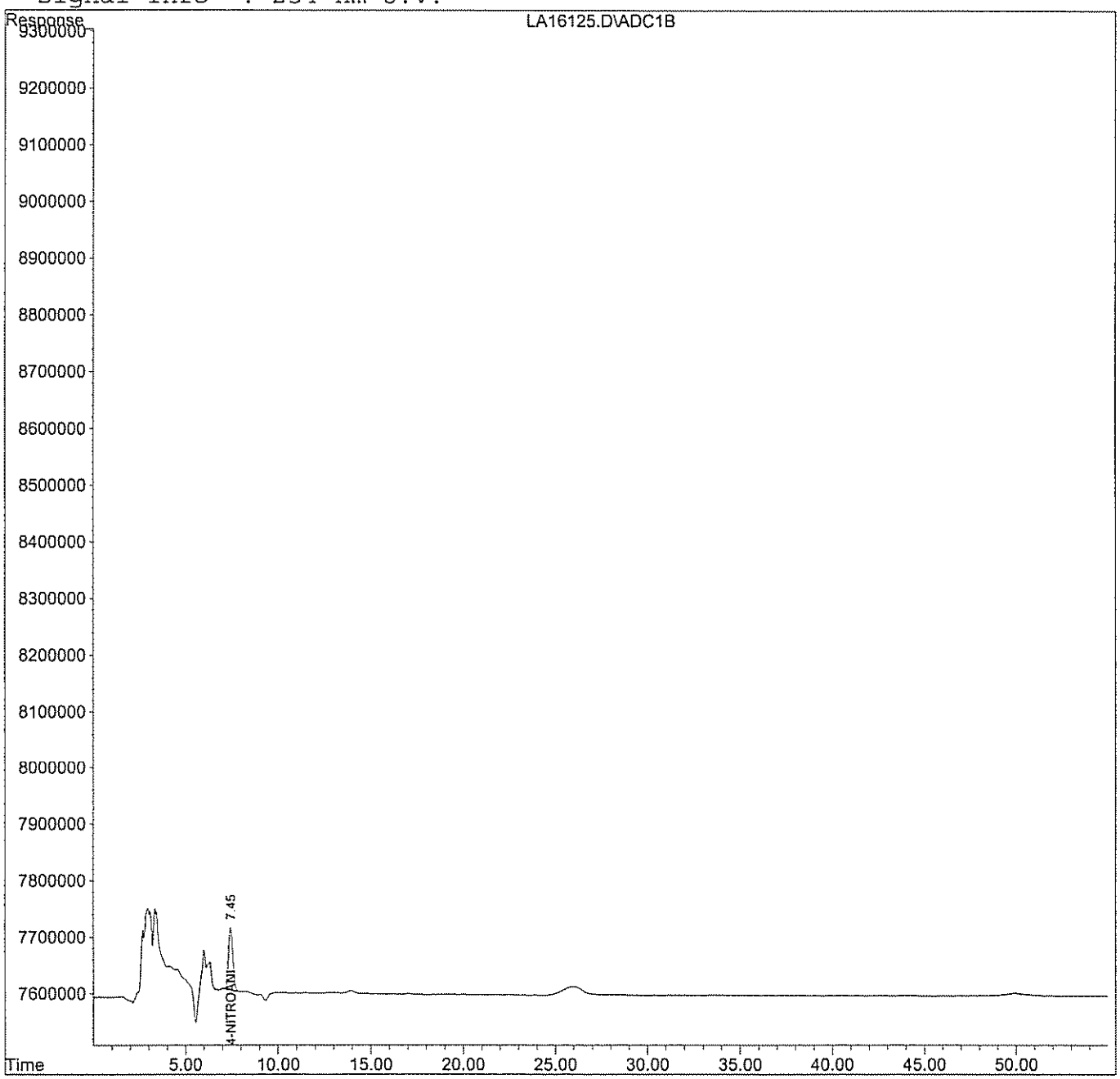
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16125.D Vial: 11
Acq On : 12 Sep 2006 6:52 Operator: AG
Sample : 608156-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:00 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16125.D 60607NG.M Sun Sep 17 10:07:41 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1003

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-003-005-1/2
Sample Volume :	10.02	Lab File ID :	LA16126.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1003

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-003-005-1/2
Sample Volume :	10.02	Lab File ID :	LA16126.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16126.D Vial: 12
Acq On : 12 Sep 2006 7:51 am Operator: AG
Sample : 608156-003-005-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 21 14:22 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.44	18004840	137.665 ng/mlm

Spiked Amount 150.000 Range 52 - 154 Recovery = 91.78%

Target Compounds

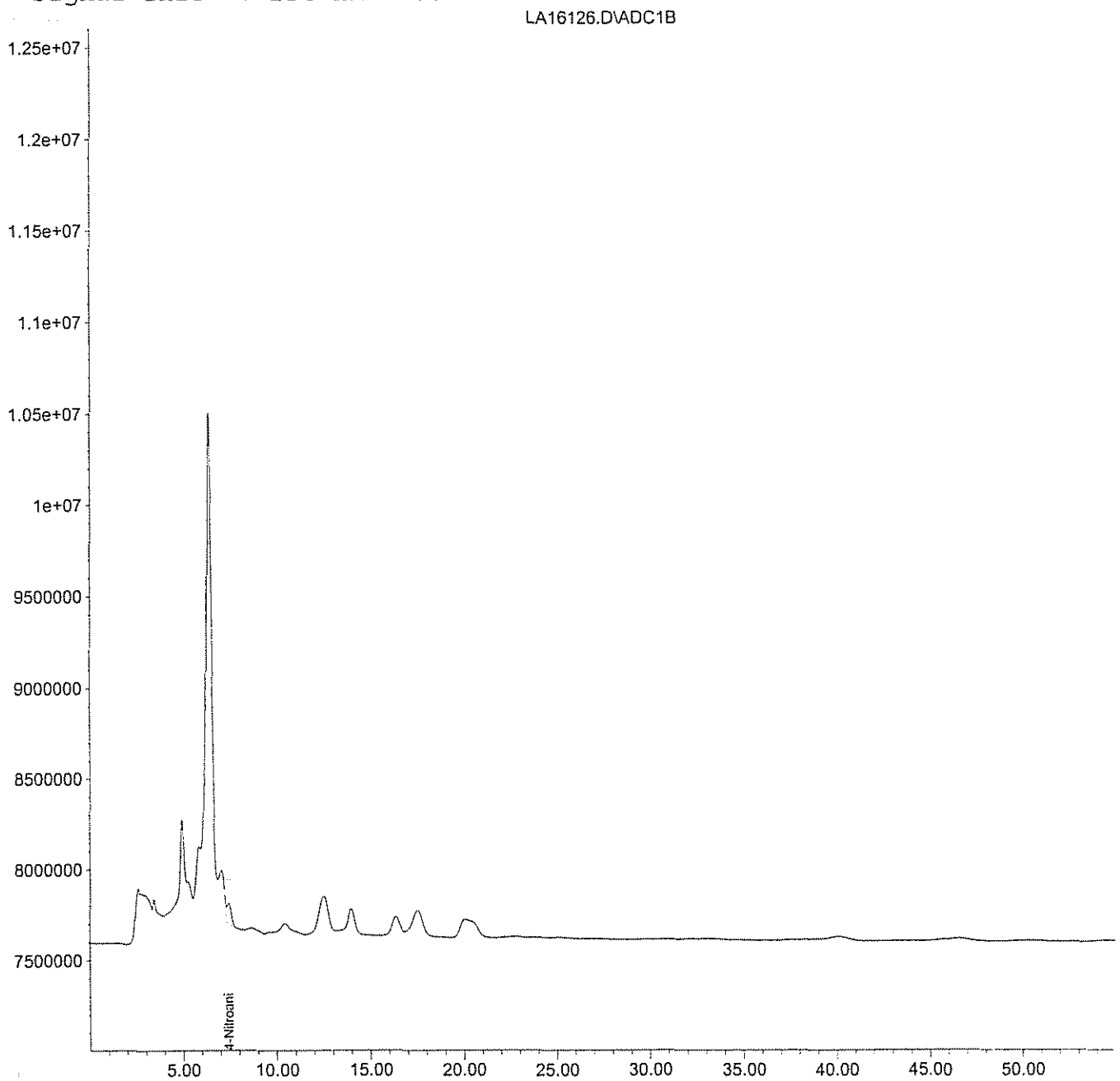
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16126.D Vial: 12
Acq On : 12 Sep 2006 7:51 am Operator: AG
Sample : 608156-003-005-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 21 14:22 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16126.D 67258330.M Thu Sep 21 14:22:36 2006 1 Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16126.D Vial: 12
Acq On : 12 Sep 2006 7:51 am Operator: AG
Sample : 608156-003-005-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 21 14:29 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.44	17055693	139.130	PPB	m
Spiked Amount 300.000		Recovery =	46.38%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

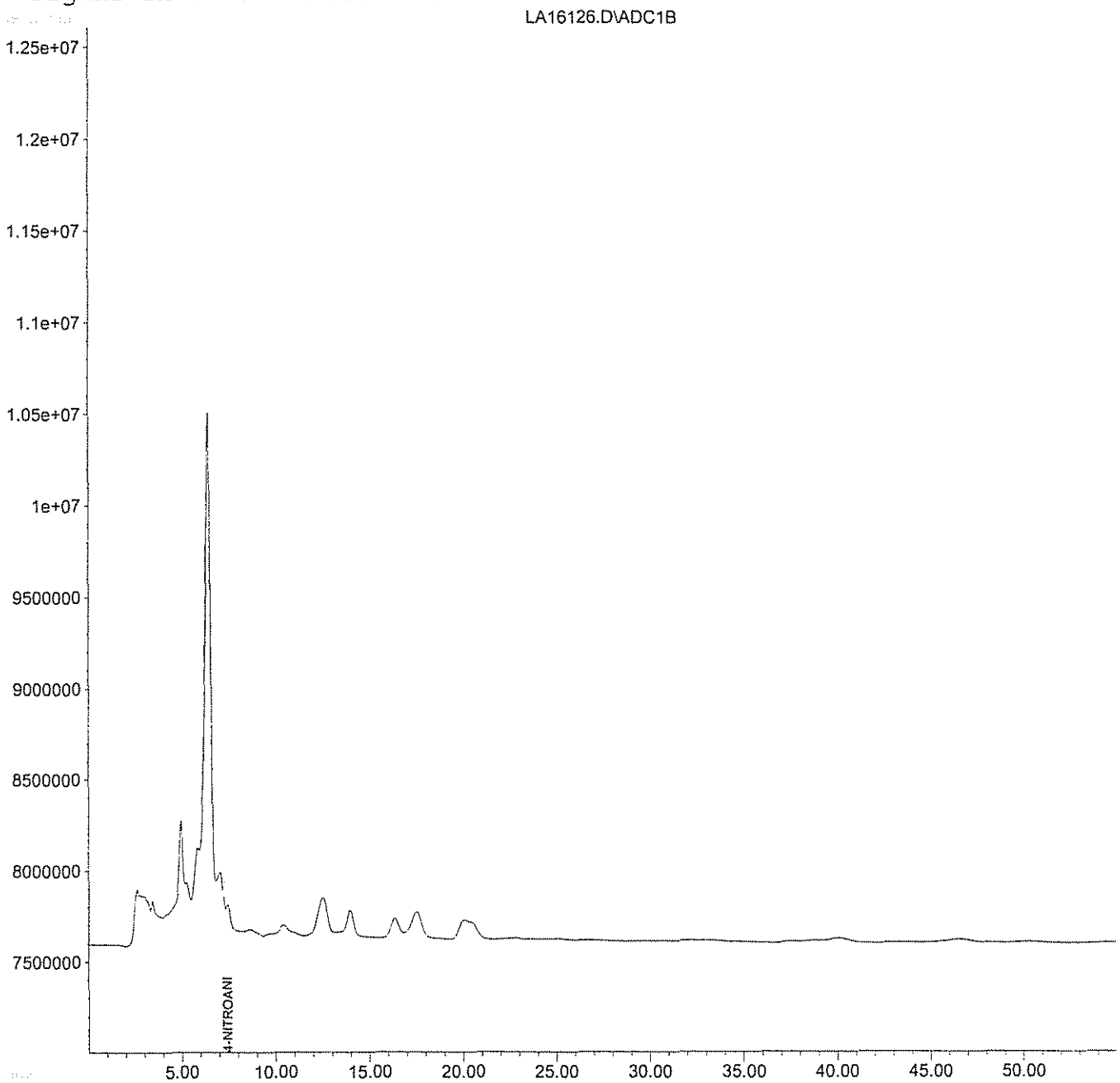
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16126.D Vial: 12
Acq On : 12 Sep 2006 7:51 am Operator: AG
Sample : 608156-003-005-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 21 14:29 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16126.D 60607NG.M Thu Sep 21 14:29:37 2006 1 Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0027

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-004-007-1/2
Sample Volume :	10	Lab File ID :	LA16130.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0027

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-004-007-1/2
Sample Volume :	10	Lab File ID :	LA16130.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16130.D Vial: 16
Acq On : 12 Sep 2006 11:49 Operator: AG
Sample : 608156-004-007-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 14:30 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.43	17523084	133.982 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 89.32%			
Target Compounds			

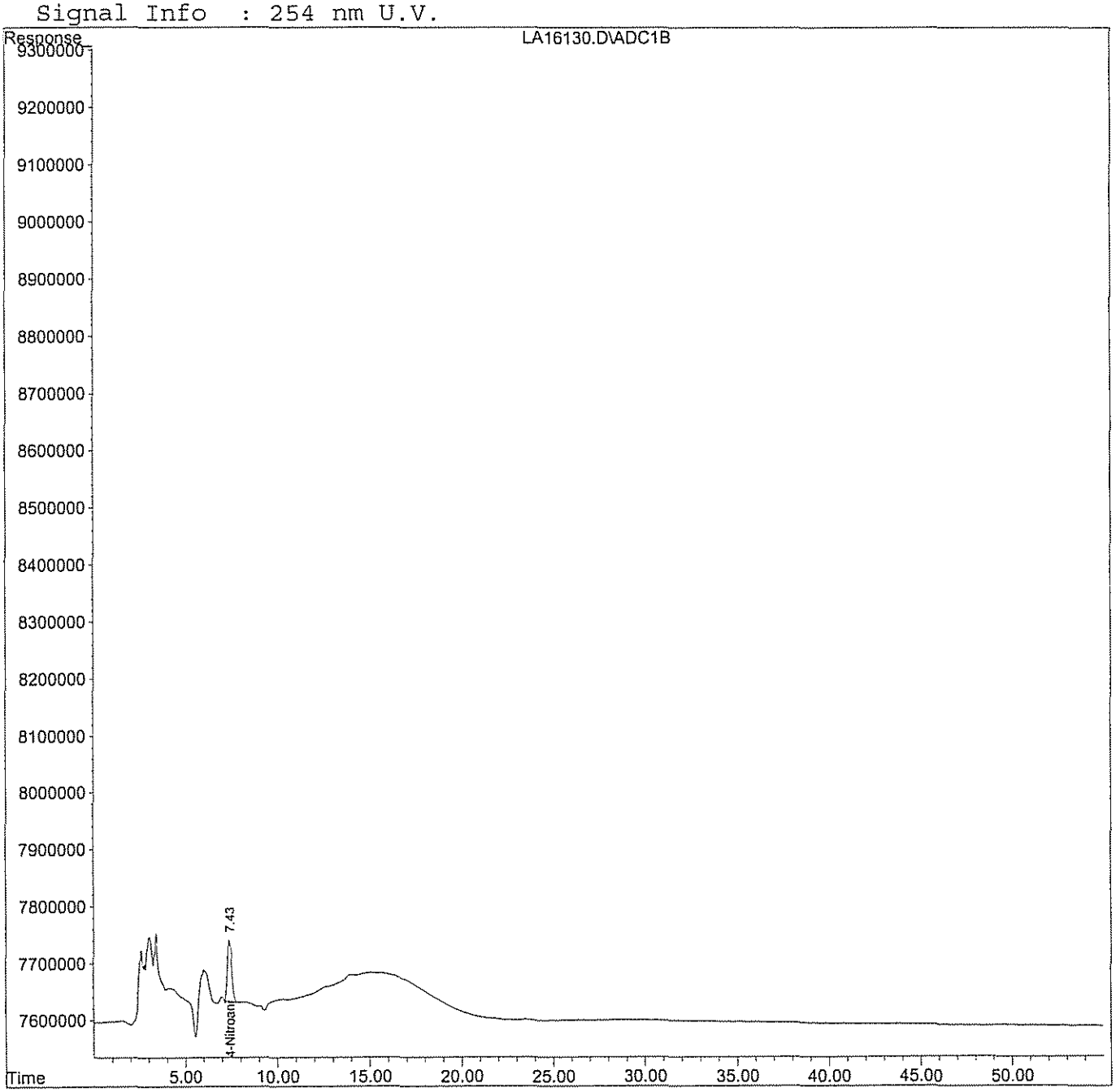
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16130.D Vial: 16
Acq On : 12 Sep 2006 11:49 Operator: AG
Sample : 608156-004-007-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 14:30 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16130.D 67258330.M Sun Sep 17 09:25:08 2006 RPT Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16130.D Vial: 16
Acq On : 12 Sep 2006 11:49 Operator: AG
Sample : 608156-004-007-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:00 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	7.43	18405513	150.141	PPB
Spiked Amount 300.000		Recovery =	50.05%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

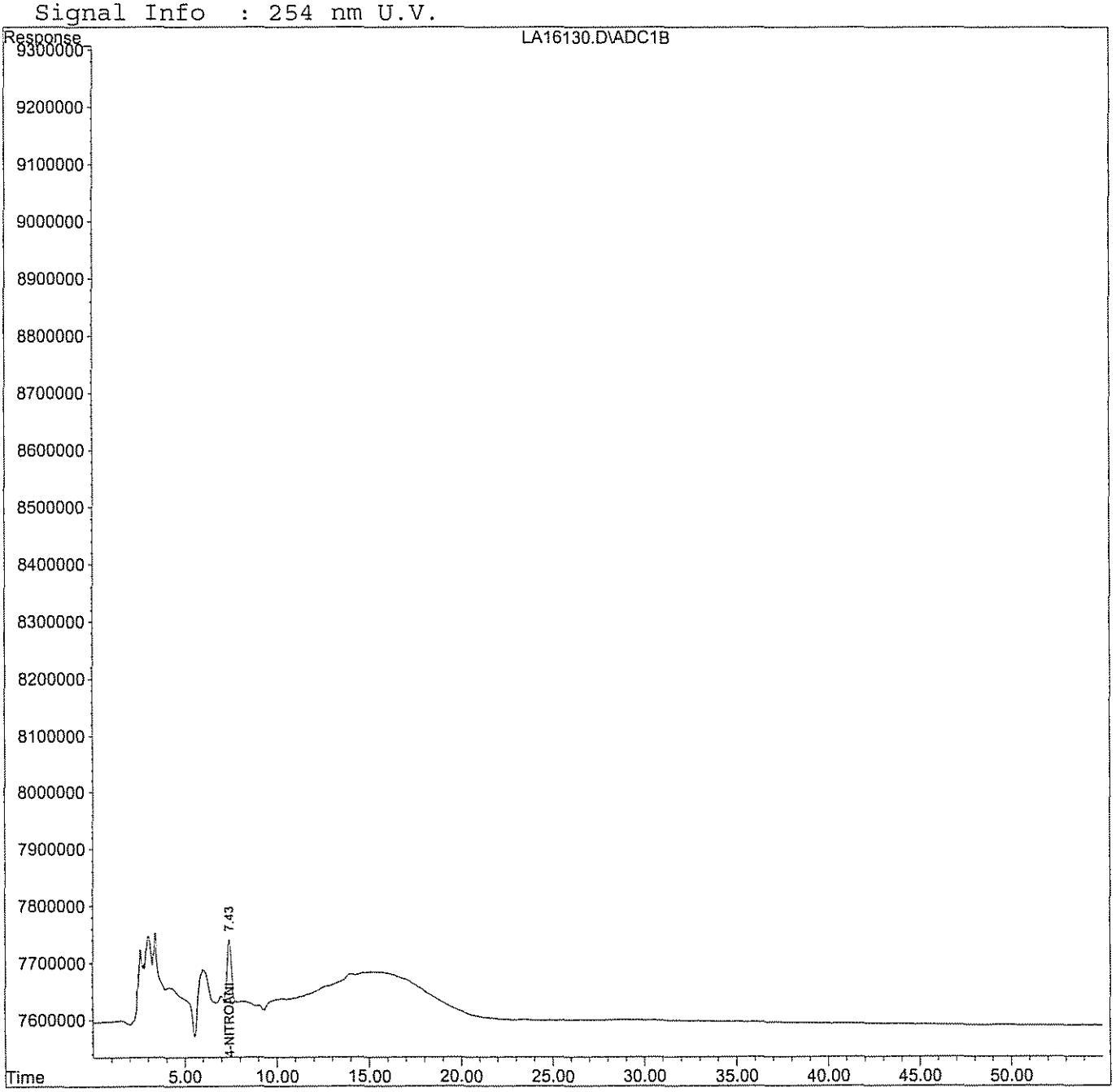
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16130.D Vial: 16
Acq On : 12 Sep 2006 11:49 Operator: AG
Sample : 608156-004-007-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:00 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16130.D 60607NG.M Sun Sep 17 10:07:52 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0028

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-005-009-1/2
Sample Volume :	10	Lab File ID :	LA16131.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0028

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-005-009-1/2
Sample Volume :	10	Lab File ID :	LA16131.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16131.D Vial: 17
Acq On : 12 Sep 2006 12:49 Operator: AG
Sample : 608156-005-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 14:31 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.44	15678732	119.880 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 79.92%			
Target Compounds			

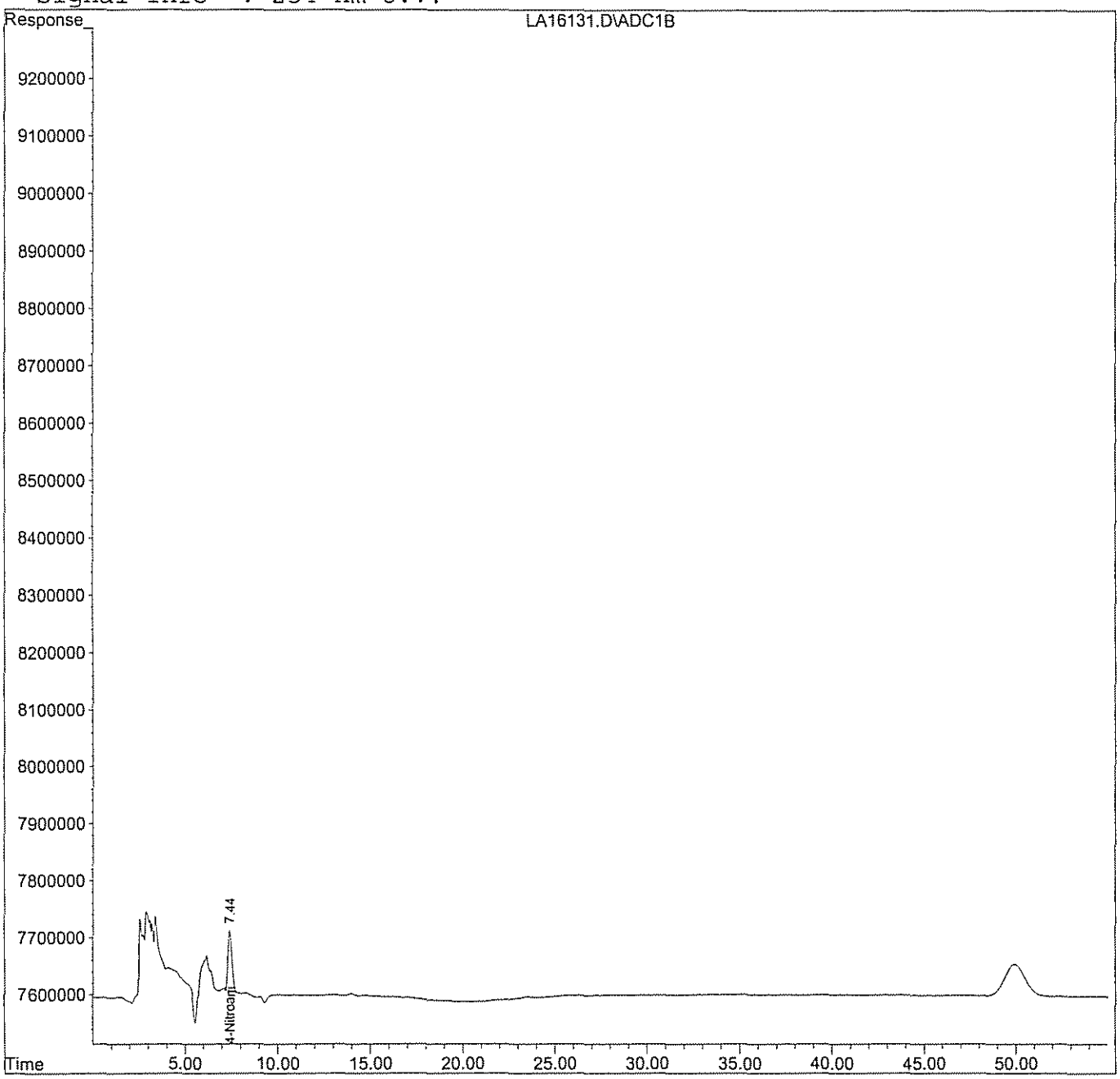
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16131.D Vial: 17
Acq On : 12 Sep 2006 12:49 Operator: AG
Sample : 608156-005-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 14:31 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16131.D 67258330.M Sun Sep 17 09:25:14 2006 RPT Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16131.D Vial: 17
Acq On : 12 Sep 2006 12:49 Operator: AG
Sample : 608156-005-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.44	15756811	128.535 PPB
Spiked Amount 300.000		Recovery =	42.85%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

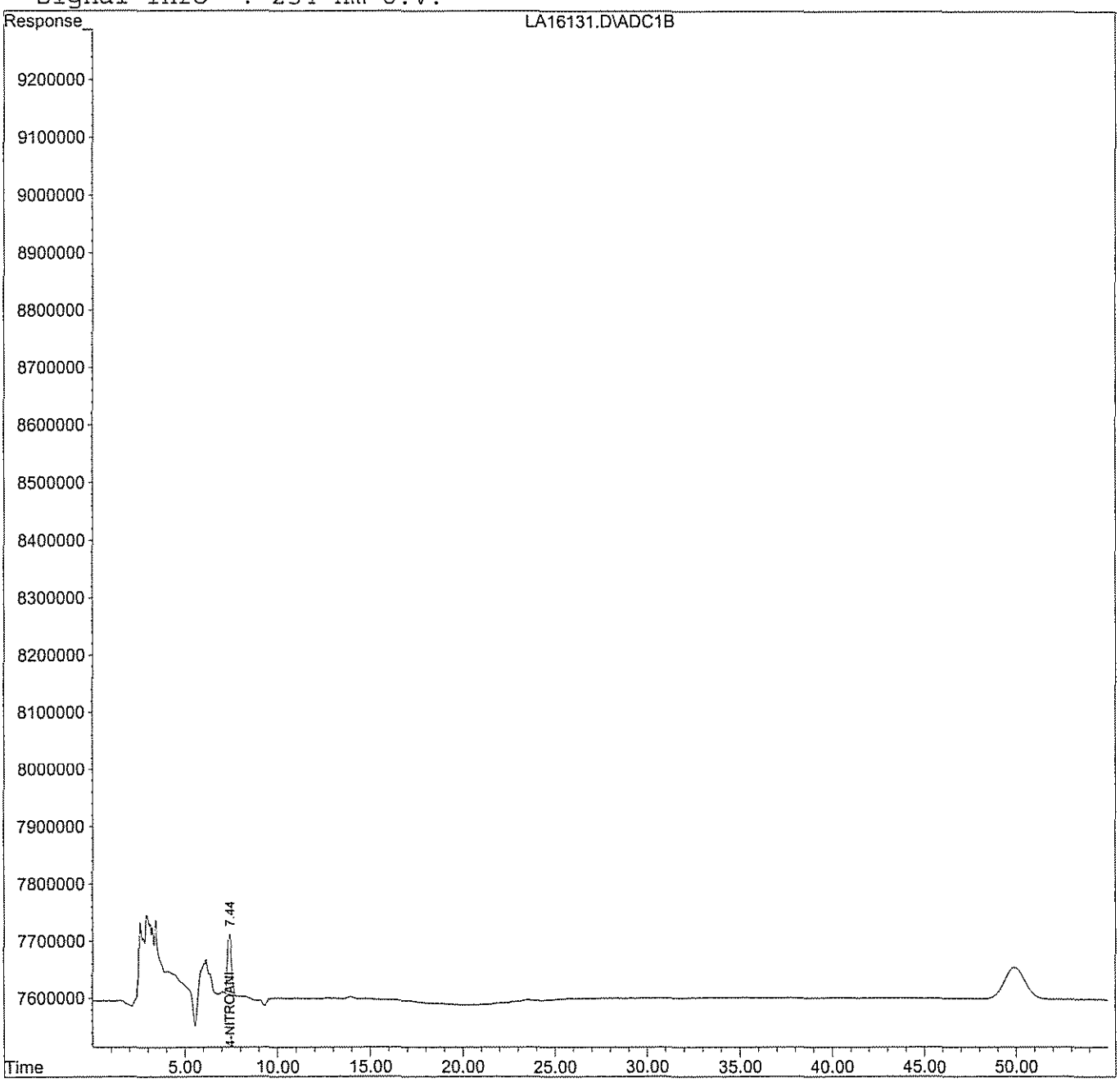
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16131.D Vial: 17
Acq On : 12 Sep 2006 12:49 Operator: AG
Sample : 608156-005-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16131.D 60607NG.M Sun Sep 17 10:07:59 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0030

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-006-011-1/2
Sample Volume :	10.03	Lab File ID :	LA16132.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0030

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-006-011-1/2
Sample Volume :	10.03	Lab File ID :	LA16132.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16132.D Vial: 18
Acq On : 12 Sep 2006 13:48 Operator: AG
Sample : 608156-006-011-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:55 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.47	13932035	106.525 ng/mlm
Spiked Amount 150.000 Range 52 - 154 Recovery = 71.02%			
Target Compounds			

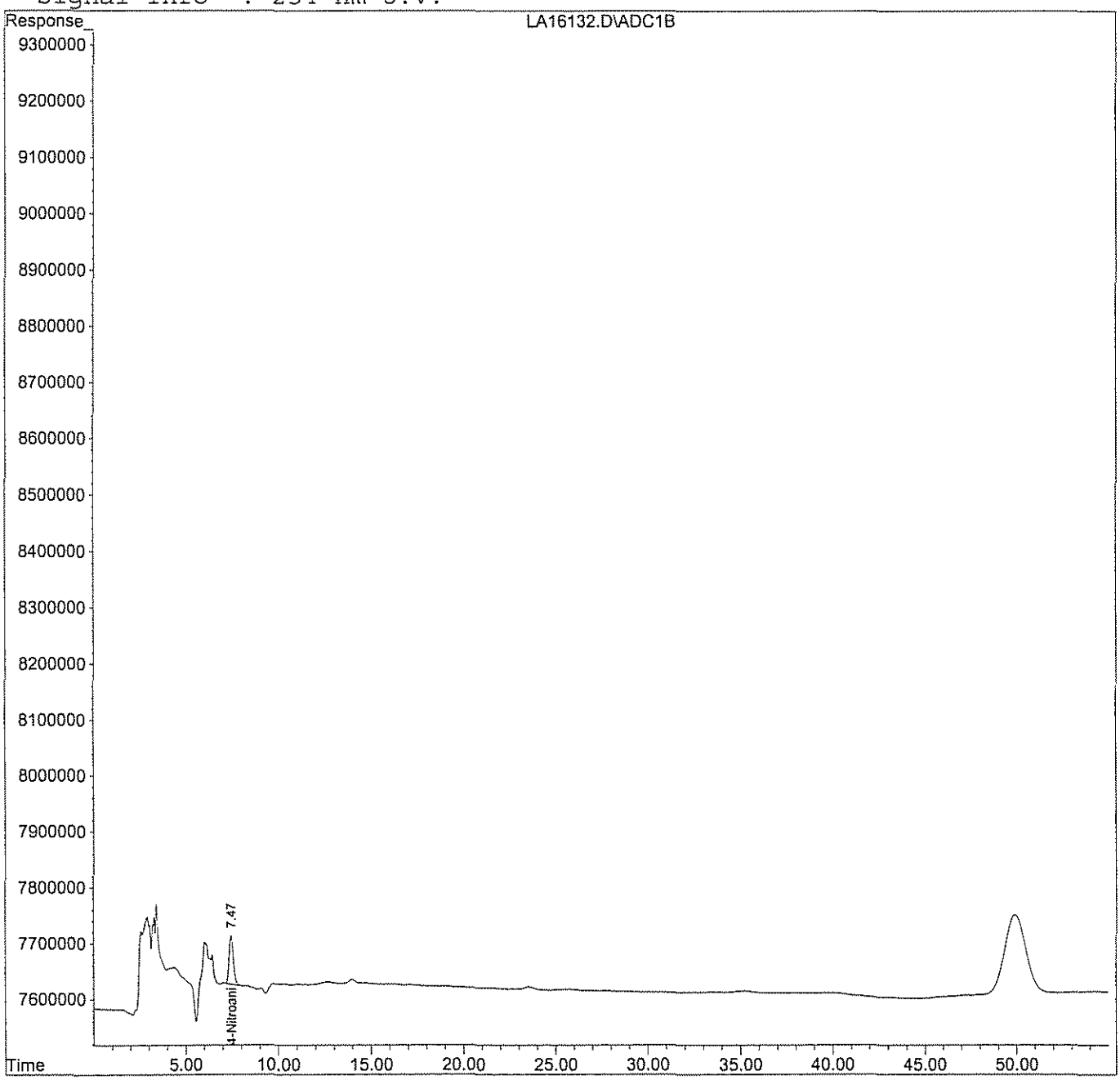
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16132.D Vial: 18
Acq On : 12 Sep 2006 13:48 Operator: AG
Sample : 608156-006-011-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:55 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16132.D 67258330.M Sun Sep 17 09:55:58 2006 RPT Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36165.D Vial: 19
Acq On : 15 Sep 2006 4:27 Operator: SS
Sample : 608156-006 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:48 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.93	14045930	109.404 ng/ml

Spiked Amount 150.000 Range 52 - 154 Recovery = 72.94%

Target Compounds

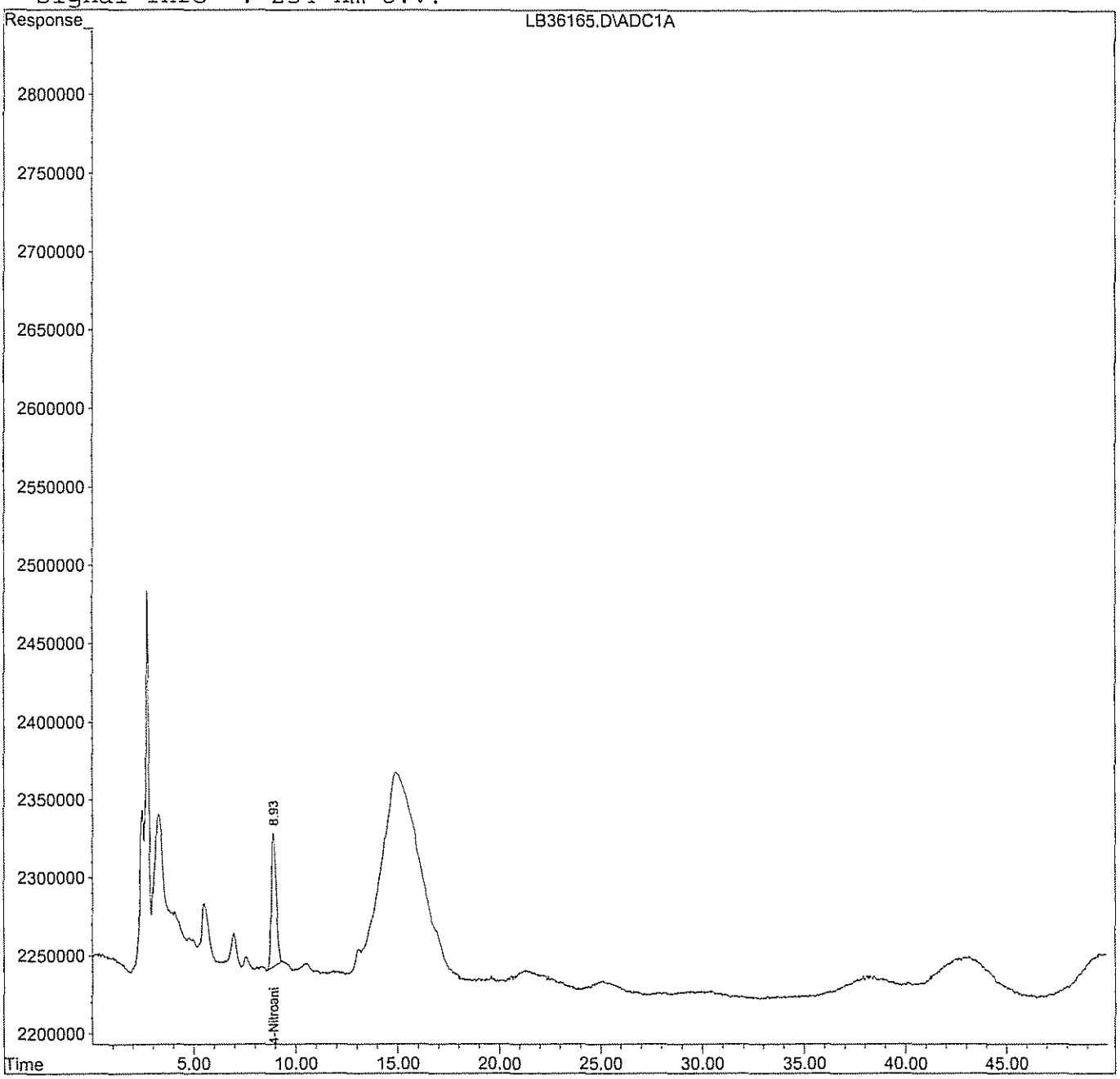
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36165.D Vial: 19
Acq On : 15 Sep 2006 4:27 Operator: SS
Sample : 608156-006 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:48 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



LB36165.D 073006C.M Sun Sep 17 09:48:34 2006 RPT Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16132.D Vial: 18
Acq On : 12 Sep 2006 13:48 Operator: AG
Sample : 608156-006-011-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:14 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.47	13844806	112.938 PPB
Spiked Amount 300.000		Recovery =	37.65%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM d

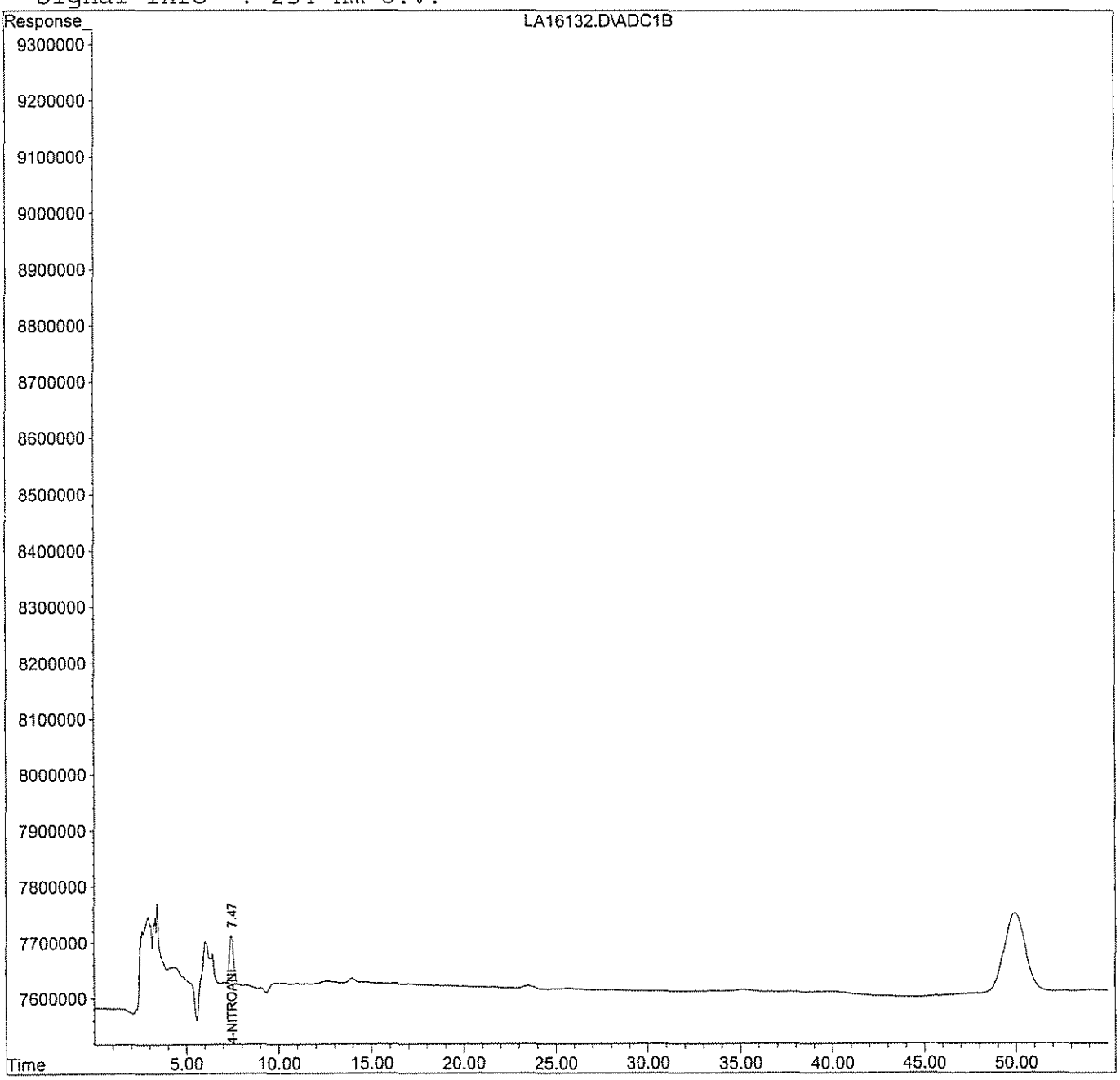
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16132.D Vial: 18
Acq On : 12 Sep 2006 13:48 Operator: AG
Sample : 608156-006-011-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:14 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\0914NG\LB36165.D Vial: 19
Acq On : 15 Sep 2006 4:27 Operator: SS
Sample : 608156-006 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:13 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.93	14942362	142.661 PPB m
Spiked Amount 300.000		Recovery =	47.55%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

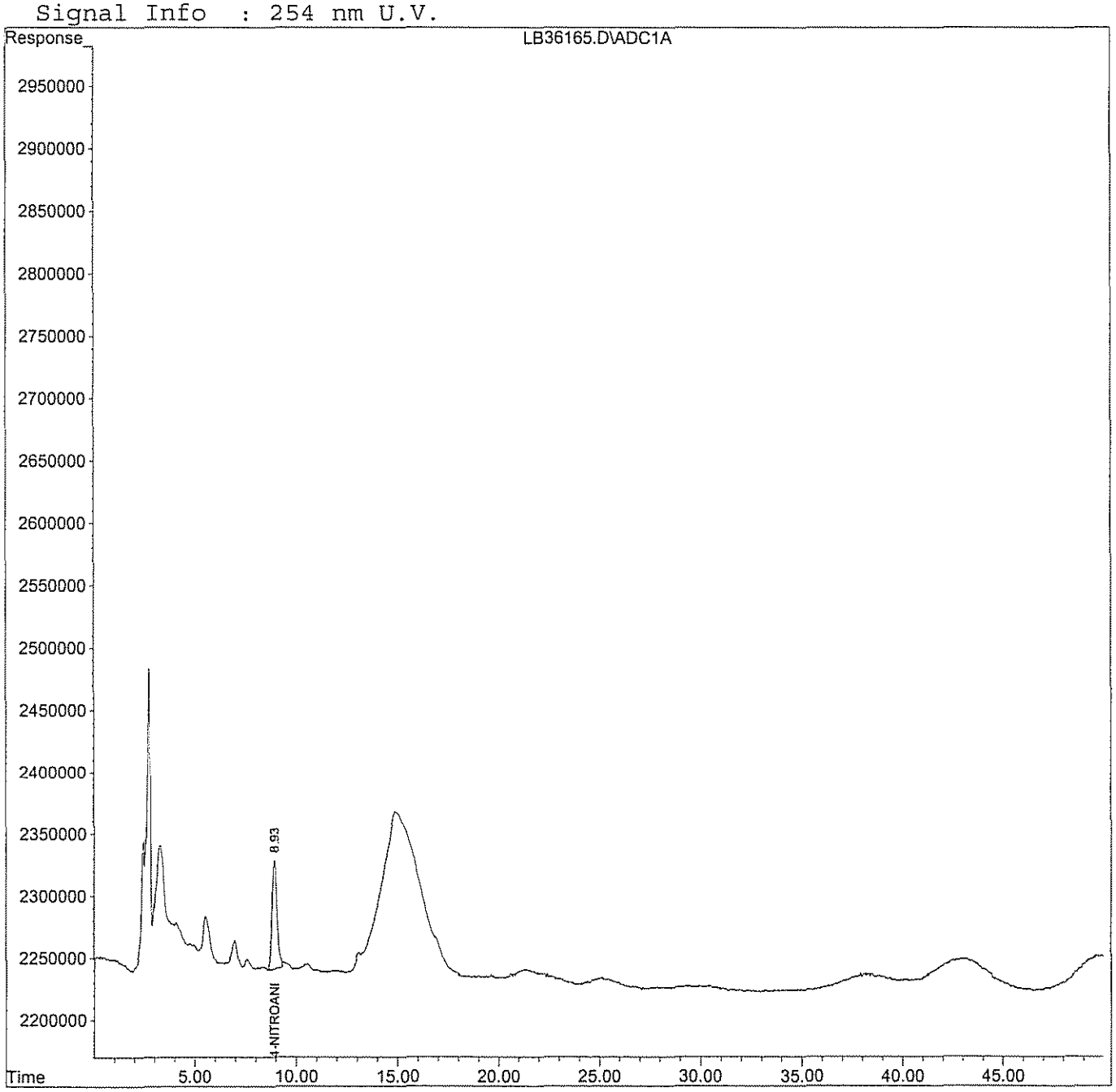
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\0914NG\LB36165.D Vial: 19
Acq On : 15 Sep 2006 4:27 Operator: SS
Sample : 608156-006 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:13 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



LB36165.D 6802NGCO.M Sun Sep 17 10:14:03 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0046

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-007-013-1/2
Sample Volume :	10.03	Lab File ID :	LA16133.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0046

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-007-013-1/2
Sample Volume :	10.03	Lab File ID :	LA16133.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16133.D Vial: 19
Acq On : 12 Sep 2006 14:48 Operator: AG
Sample : 608156-007-013-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:56 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.44	18270883	139.699 ng/mlm
Spiked Amount 150.000 Range 52 - 154 Recovery = 93.13%			
Target Compounds			

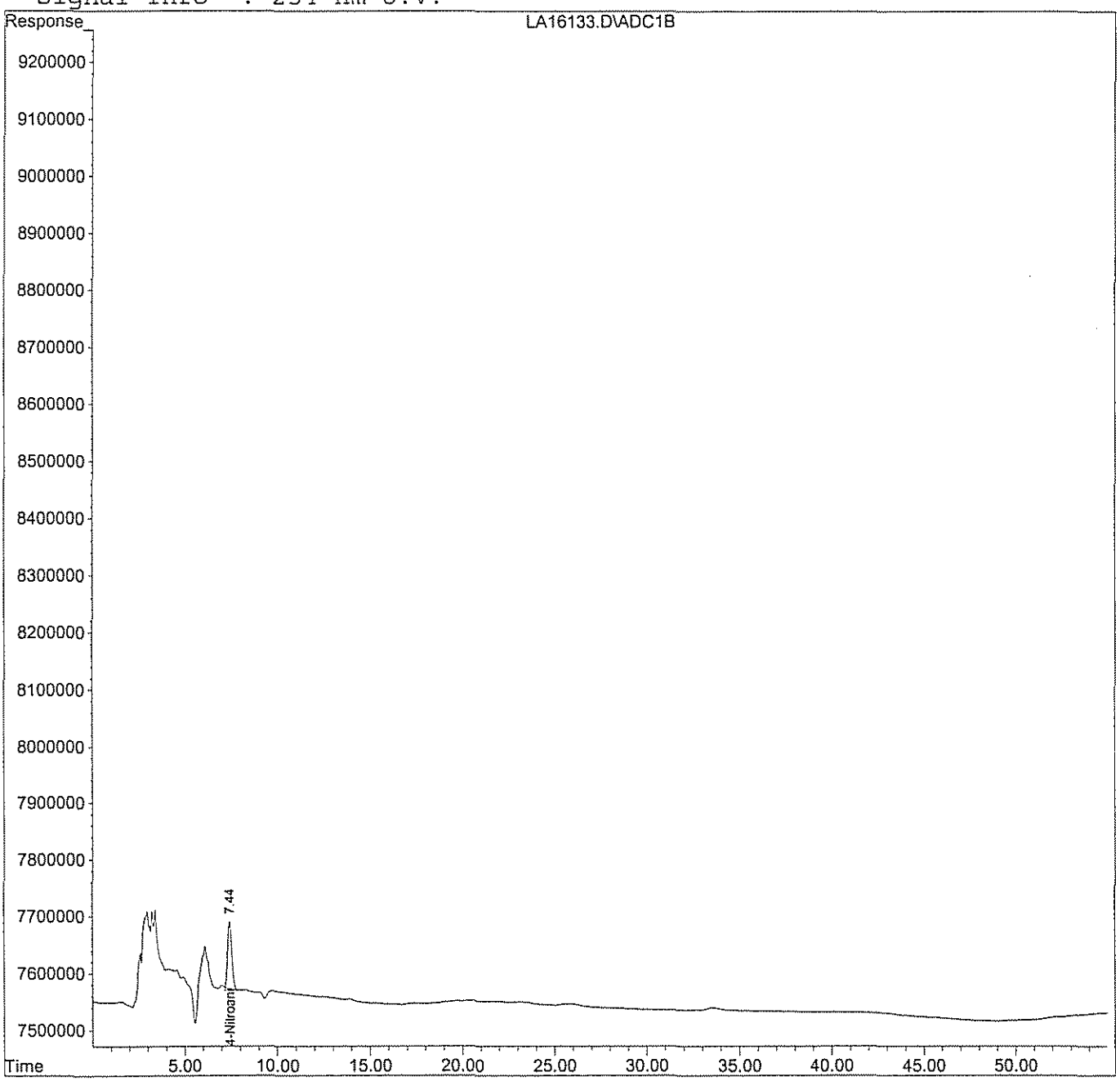
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16133.D Vial: 19
Acq On : 12 Sep 2006 14:48 Operator: AG
Sample : 608156-007-013-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:56 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16133.D 67258330.M Sun Sep 17 09:56:23 2006 RPT Page 2

Quantitation Report (QT Reviewed)

```
Data File : H:\LCDATA\LCB\091406\LB36166.D                Vial: 20
Acq On    : 15 Sep 2006   5:18                         Operator: SS
Sample    : 608156-007                                 Inst    : LCB
Misc      : SOIL                                       Multiplr: 1.00
IntFile   : events.e
Quant Time: Sep 15 13:33 2006  Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title        : 8330 Explosives Confirmation
Last Update  : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj.  : 100 uL
Signal Phase : POLAR RP ( confirmation)
Signal Info  : 254 nm U.V.
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.92	12232922	95.282 ng/mlm
Spiked Amount 150.000 Range 52 - 154 Recovery = 63.52%			
Target Compounds			

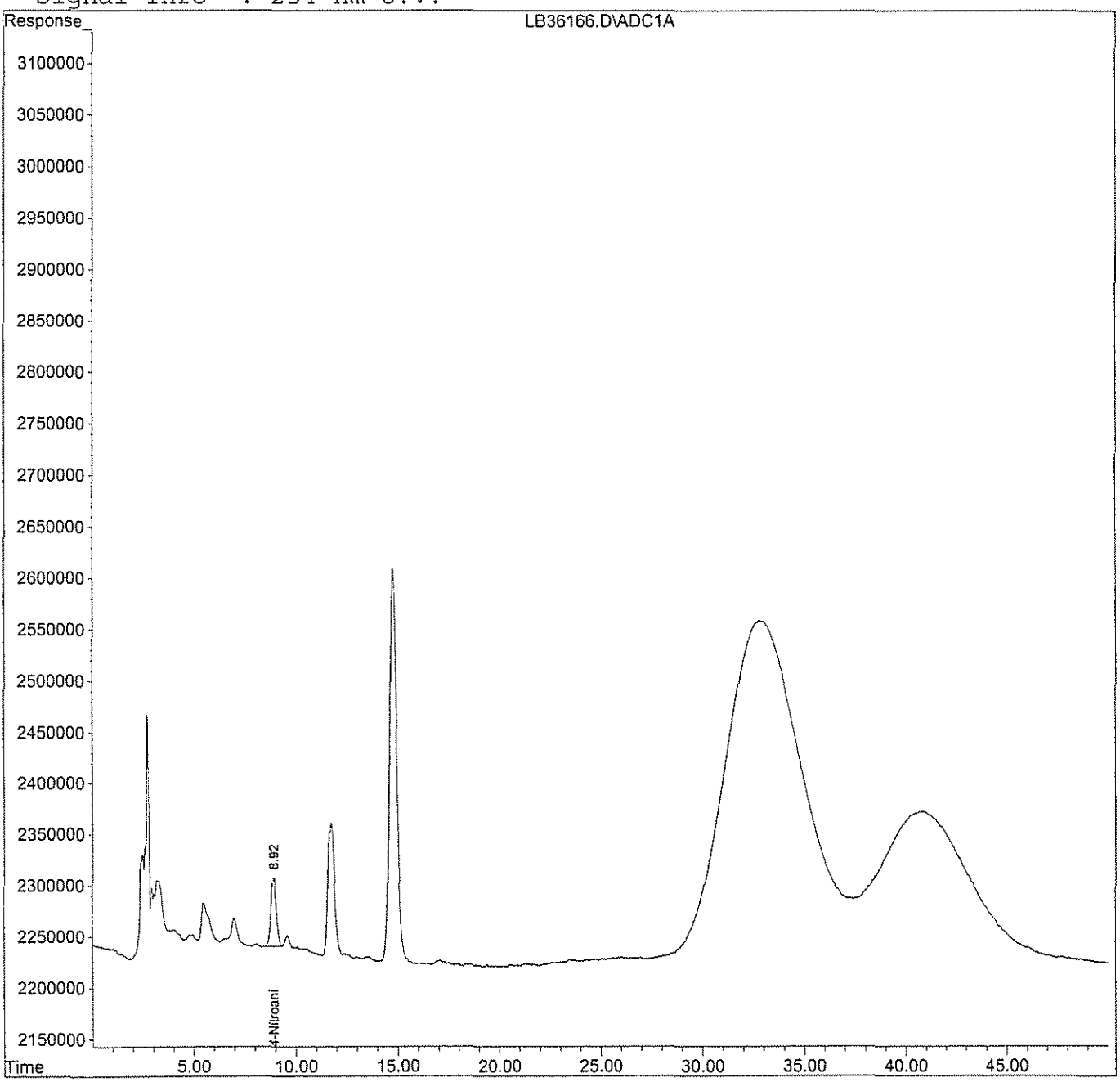
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36166.D Vial: 20
Acq On : 15 Sep 2006 5:18 Operator: SS
Sample : 608156-007 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 13:33 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



LB36166.D 073006C.M Sun Sep 17 09:48:56 2006 RPT Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16133.D Vial: 19
Acq On : 12 Sep 2006 14:48 Operator: AG
Sample : 608156-007-013-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:37 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.44	18618507	151.879	PPB	m
Spiked Amount 300.000		Recovery =	50.63%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

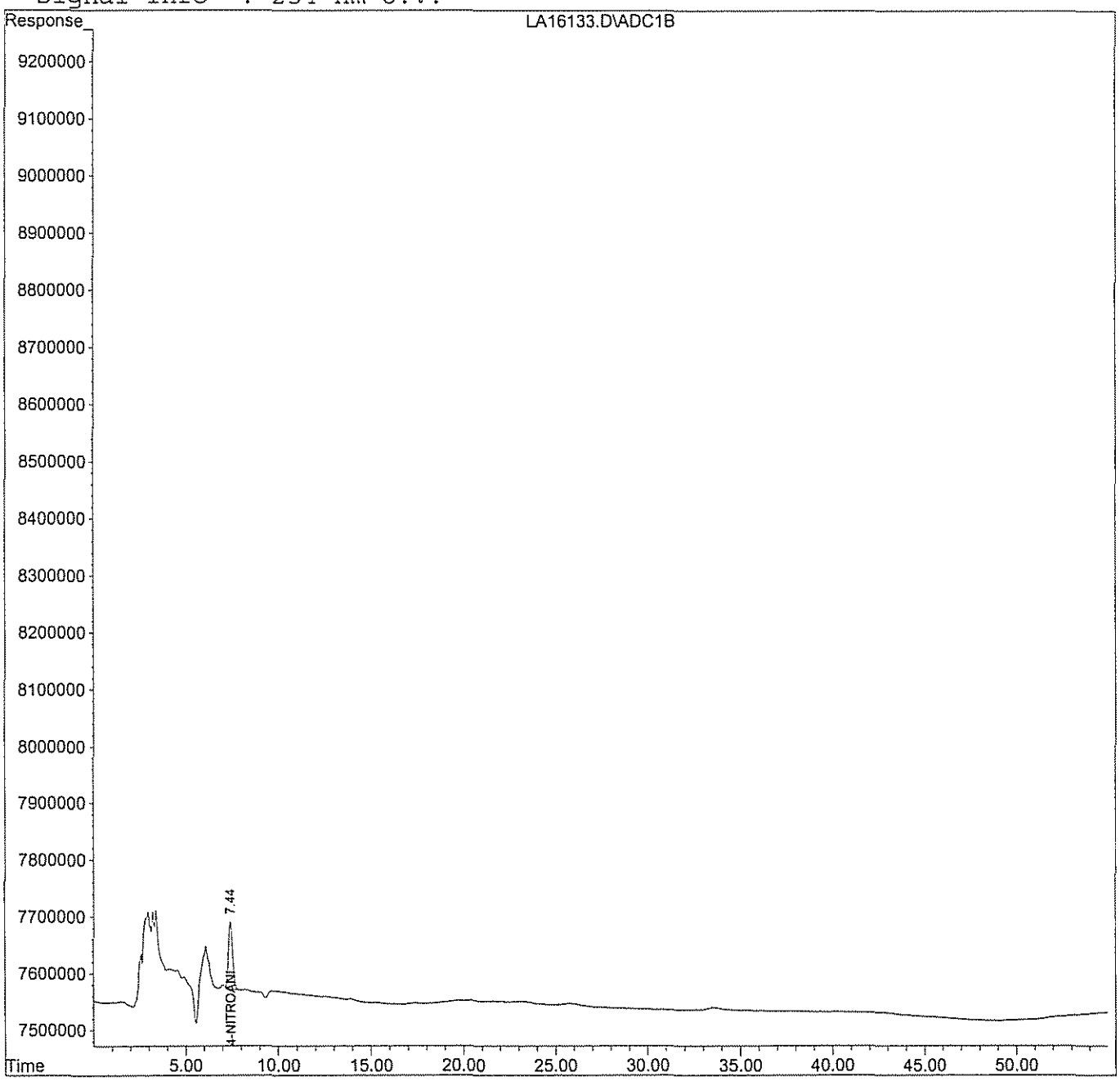
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16133.D Vial: 19
Acq On : 12 Sep 2006 14:48 Operator: AG
Sample : 608156-007-013-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:37 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16133.D 60607NG.M Sun Sep 17 10:08:11 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1012

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-008-015-1/2
Sample Volume :	10	Lab File ID :	LA16134.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1012

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-008-015-1/2
Sample Volume :	10	Lab File ID :	LA16134.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16134.D Vial: 20
Acq On : 12 Sep 2006 15:47 Operator: AG
Sample : 608156-008-015-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.45	18848579	144.116 ng/mlm
Spiked Amount 150.000 Range 52 - 154 Recovery = 96.08%			
Target Compounds			

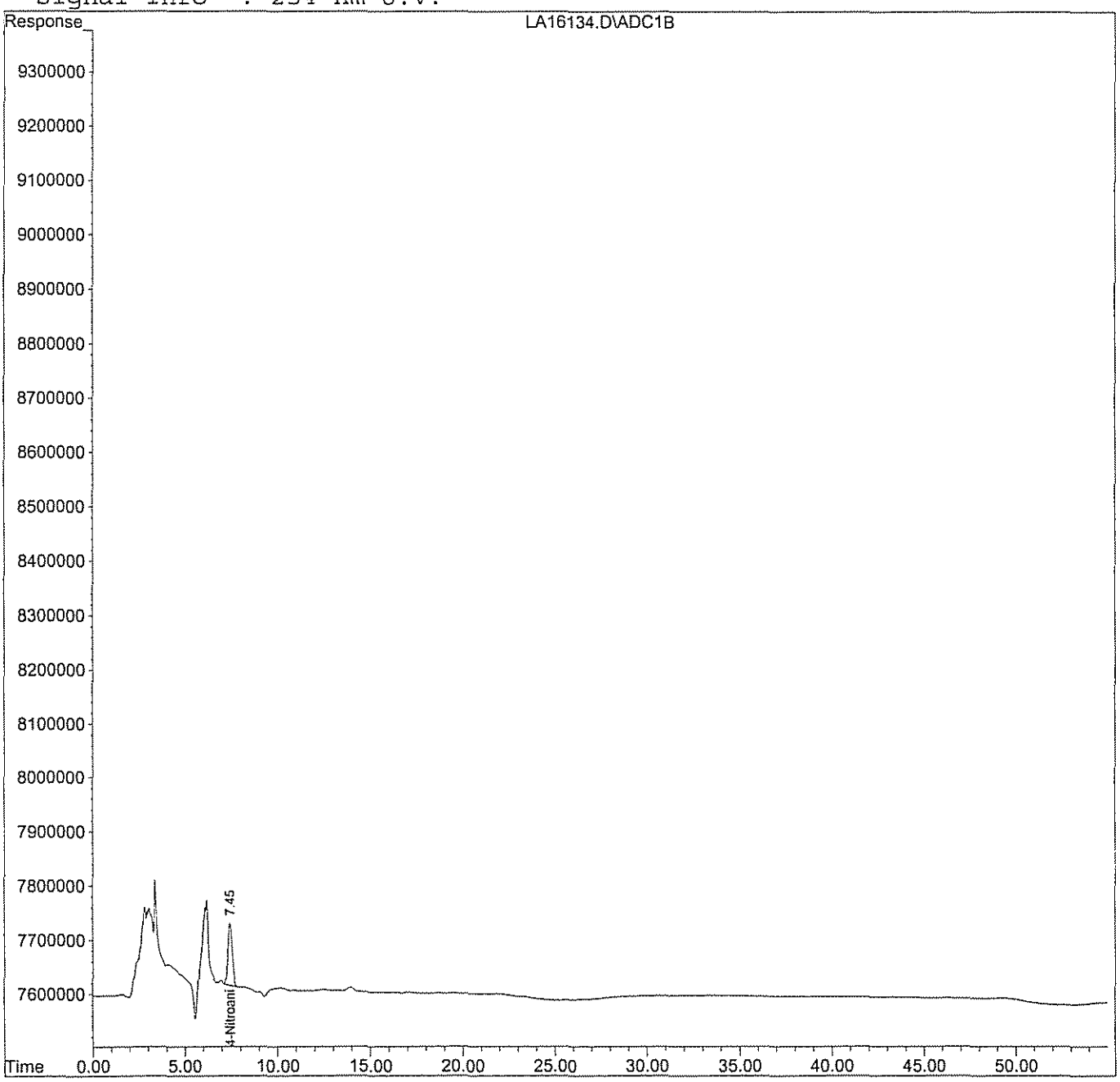
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16134.D Vial: 20
Acq On : 12 Sep 2006 15:47 Operator: AG
Sample : 608156-008-015-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16134.D Vial: 20
Acq On : 12 Sep 2006 15:47 Operator: AG
Sample : 608156-008-015-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.45	18679895	152.380 PPB
Spiked Amount 300.000		Recovery =	50.79%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

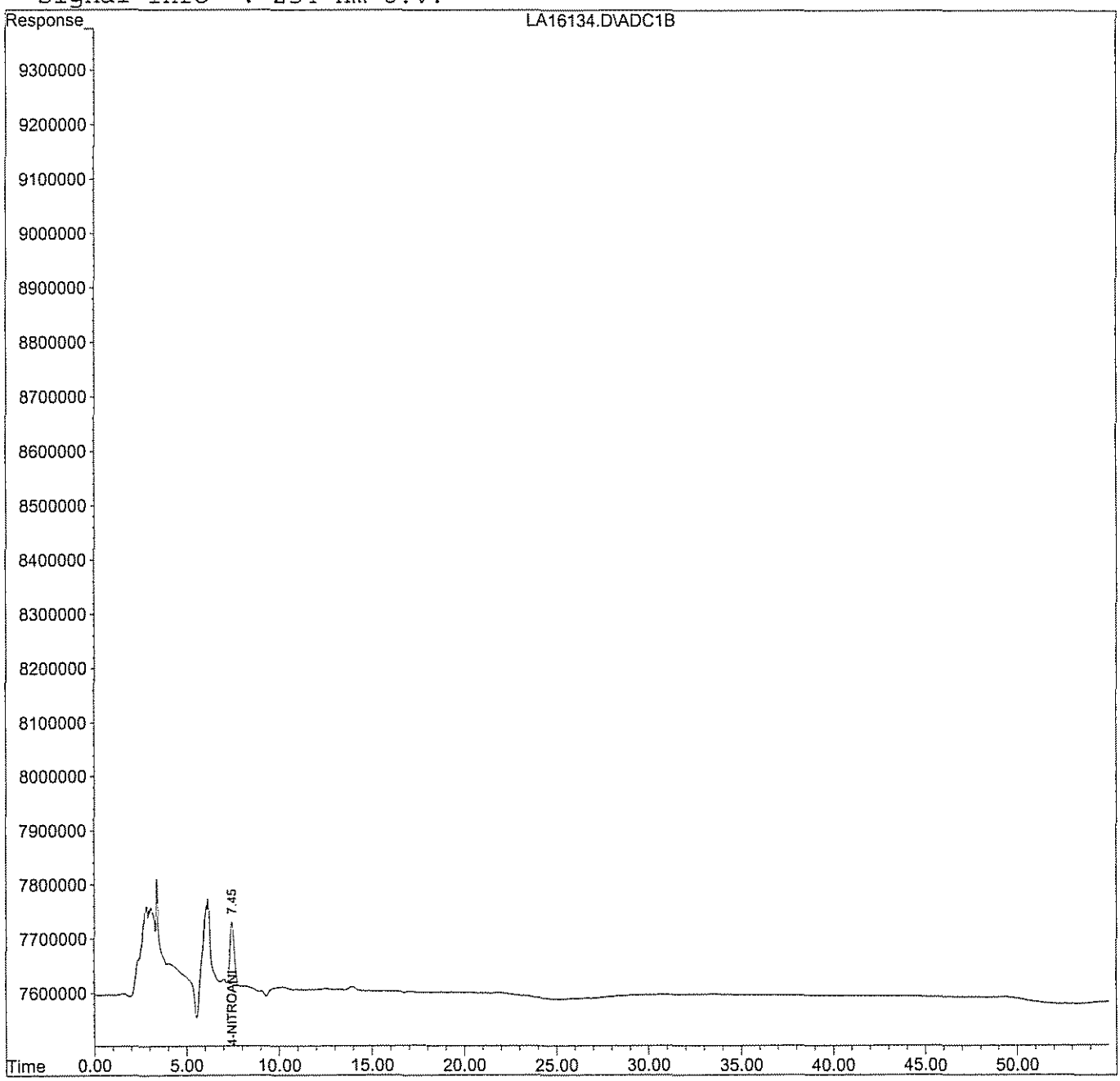
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16134.D Vial: 20
Acq On : 12 Sep 2006 15:47 Operator: AG
Sample : 608156-008-015-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:01 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16134.D 60607NG.M Sun Sep 17 10:08:17 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1013

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-009-017-1/2
Sample Volume :	10.01	Lab File ID :	LA16135.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1013

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-009-017-1/2
Sample Volume :	10.01	Lab File ID :	LA16135.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16135.D Vial: 21
Acq On : 12 Sep 2006 16:47 Operator: AG
Sample : 608156-009-017-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:18 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.45	16751559	128.083 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 85.39%			
Target Compounds			

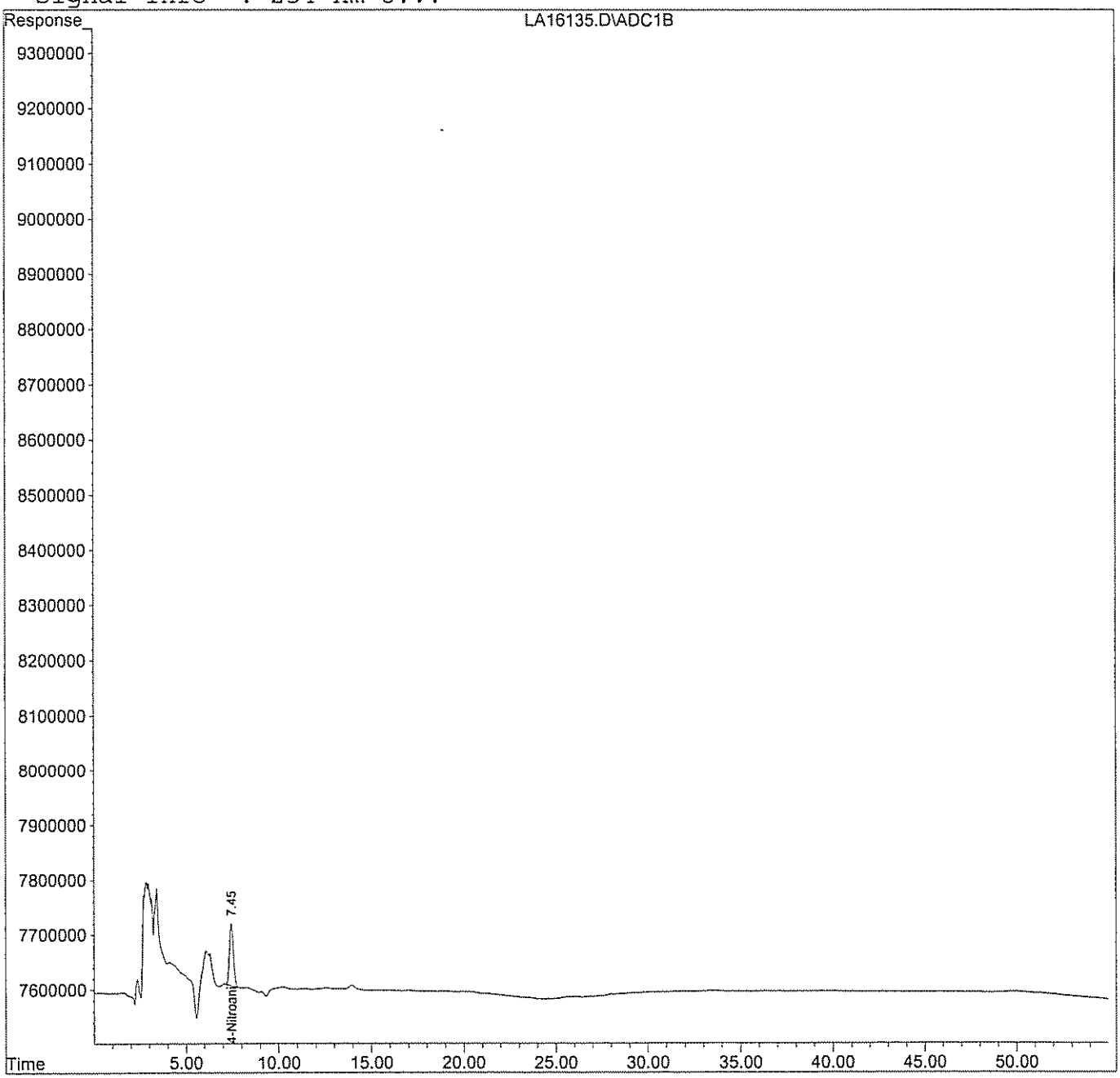
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16135.D Vial: 21
Acq On : 12 Sep 2006 16:47 Operator: AG
Sample : 608156-009-017-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:18 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16135.D 67258330.M Sun Sep 17 09:25:41 2006 RPT Page 2

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16135.D Vial: 21
Acq On : 12 Sep 2006 16:47 Operator: AG
Sample : 608156-009-017-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:37 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.45	17711345	144.479	PPB	m
Spiked Amount 300.000		Recovery =	48.16%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

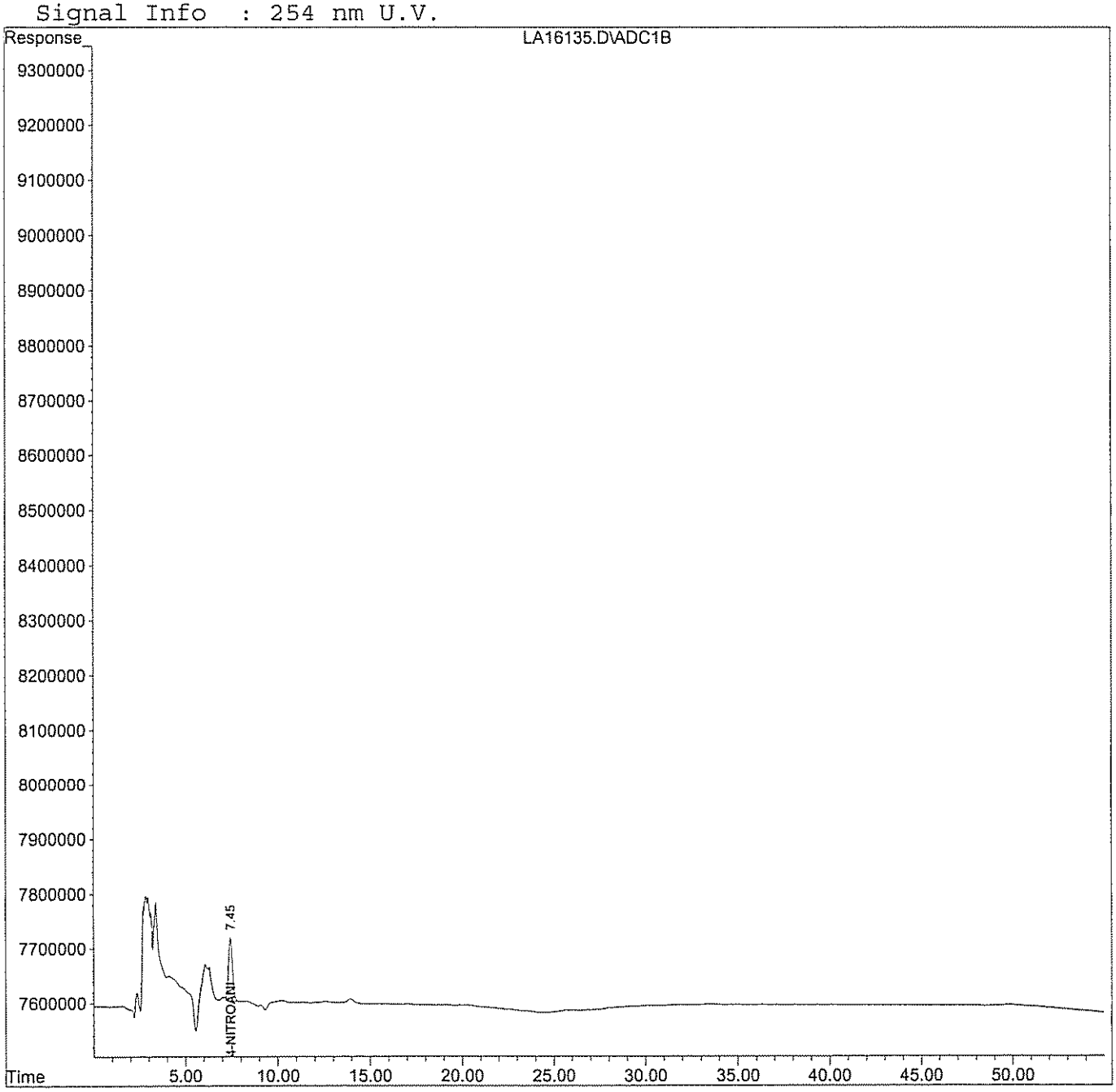
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16135.D Vial: 21
Acq On : 12 Sep 2006 16:47 Operator: AG
Sample : 608156-009-017-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:37 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16135.D 60607NG.M Sun Sep 17 10:08:22 2006 RPT Page 2

C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 10:20:04 2006

Calibration Files
LEV1 =LA15127.D LEV2 =LA15128.D LEV3 =LA15129.D
LEV4 =LA15130.D LEV5 =LA15131.D LEV6 =LA15132.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	LEV6	Avg		%RSD
1)	T	HMX	1.296	1.290	1.223	1.196	1.208	1.183	1.233	E5	3.96
2)	S	4-Nitroaniline	1.267	1.398	1.267	1.264	1.381	1.271	1.308	E5	4.83
3)	T	1,3,5-Trinitrobenze	3.361	3.419	3.541	3.506	3.534	3.461	3.470	E5	2.04
4)	T	Tetryl	2.286	2.076	2.634	2.617	2.634	2.586	2.472	E5	9.55
5)	T	2,4,6-Trinitrotolue	3.509	3.416	3.447	3.387	3.408	3.322	3.415	E5	1.82
6)	T	4-Amino-2,6-Dinitro	2.696	2.677	2.374	2.337	2.373	2.305	2.460	E5	7.20
7)	T	2,6-Dinitrotoluene	2.363	2.353	2.225	2.165	2.162	2.166	2.239	E5	4.25
8)	T	4-Nitrotoluene	2.348	1.907	1.947	2.040	2.027	1.999	2.045	E5	7.67
9)	M	RDX	1.821	1.731	1.649	1.553	1.571	1.527	1.642	E5	6.99
10)	M	1,3-Dinitrobenzene	5.496	5.066	5.187	5.083	5.115	5.020	5.161	E5	3.36
11)	M	Nitrobenzene	3.955	3.743	3.642	3.647	3.669	3.621	3.713	E5	3.40
12)	M	2-Amino-4,6-Dinitro	3.671	3.777	3.600	3.544	3.573	3.491	3.609	E5	2.82
13)	M	2,4-Dinitrotoluene	5.610	5.477	5.224	5.141	5.177	5.163	5.298	E5	3.71
14)	M	2-Nitrotoluene	2.387	2.414	2.260	2.273	2.294	2.246	2.312	E5	3.06
15)	M	3-Nitrotoluene	2.659	2.646	2.476	2.518	2.516	2.490	2.551	E5	3.15

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15126.D Vial: 1
Acq On : 24 Jul 2006 7:50 pm Operator: AG
Sample : 8330MIX-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:21 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units

System Monitoring Compounds

Target Compounds

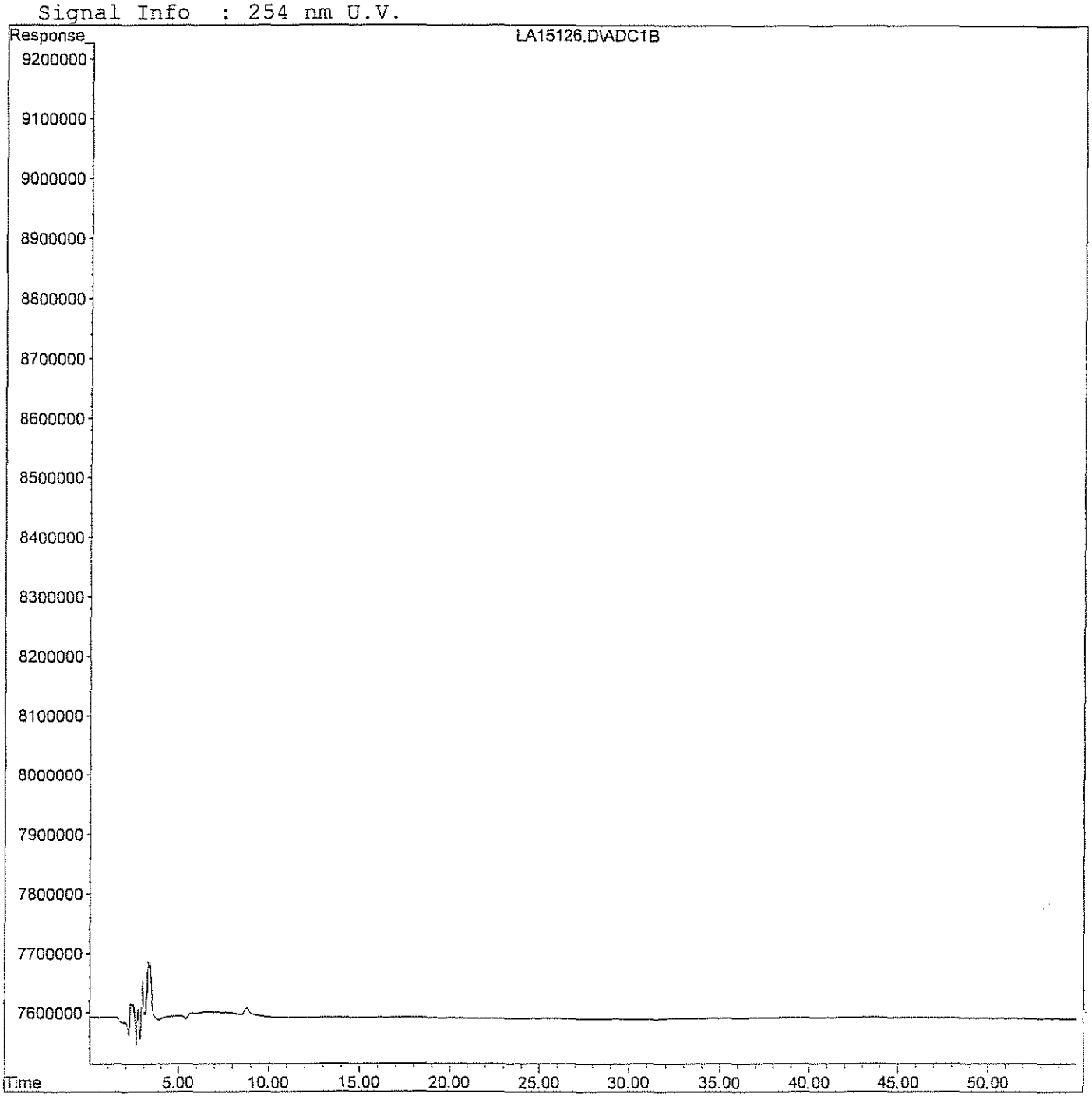
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15126.D Vial: 1
Acq On : 24 Jul 2006 7:50 pm Operator: AG
Sample : 8330MIX-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:21 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15127.D Vial: 2
Acq On : 24 Jul 2006 8:49 pm Operator: AG
Sample : 8330MIX-LEV1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:19 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
2)	S	4-Nitroaniline	7.17	2533747	19.283 ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery =	6.43%#
		Target Compounds			
1)	T	HMX	4.62	2592528	20.862 ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.69	3360523	9.592 ng/mlm
4)	T	Tetryl	20.24	4571428	18.848 ng/mlm
5)	T	2,4,6-Trinitrotoluene	24.84	3508932	10.376 ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	26.62	2695882	10.852 ng/mlm
7)	T	2,6-Dinitrotoluene	31.47	2362751	10.560 ng/mlm
8)	T	4-Nitrotoluene	44.17	4696060	22.843 ng/mlm
9)	M	RDX	9.09	3641036	21.529 ng/mlm
10)	M	1,3-Dinitrobenzene	18.36	5496210	10.648 ng/mlm
11)	M	Nitrobenzene	22.34	3955430	10.646 ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	28.39	3670539	10.231 ng/mlm
13)	M	2,4-Dinitrotoluene	32.58	5609844	10.618 ng/mlm
14)	M	2-Nitrotoluene	40.99	4773720	20.714 ng/mlm
15)	M	3-Nitrotoluene	48.05	5317784	20.558 ng/mlm

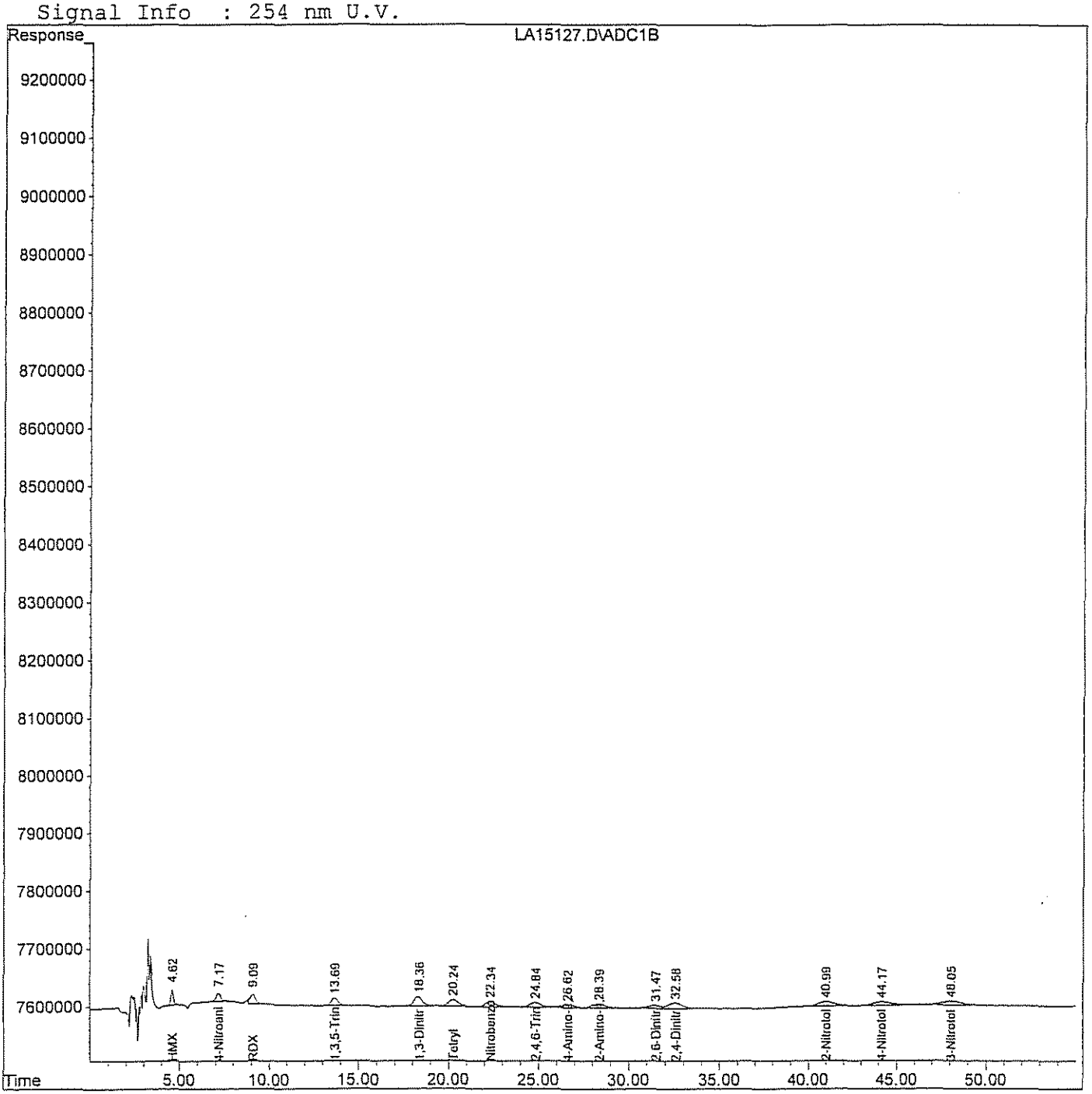
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15127.D Vial: 2
Acq On : 24 Jul 2006 8:49 pm Operator: AG
Sample : 8330MIX-LEV1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:19 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15128.D Vial: 3
Acq On : 24 Jul 2006 9:49 pm Operator: AG
Sample : 8330MIX-LEV2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:03 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.18	13976739	106.372 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 35.46%#			
Target Compounds			
1) T HMX	4.62	12903421	103.834 ng/mlm
3) T 1,3,5-Trinitrobenzene	13.67	17096793	48.801 ng/mlm
4) T Tetryl	20.21	20756774	85.582 ng/mlm
5) T 2,4,6-Trinitrotoluene	24.80	17080026	50.505 ng/mlm
6) T 4-Amino-2,6-Dinitrotoluene	26.64	13384172	53.874 ng/mlm
7) T 2,6-Dinitrotoluene	31.45	11762789	52.570 ng/mlm
8) T 4-Nitrotoluene	44.25	19070917	92.766 ng/mlm
9) M RDX	9.11	17308792	102.345 ng/mlm
10) M 1,3-Dinitrobenzene	18.28	25328885	49.072 ng/ml
11) M Nitrobenzene	22.29	18714119	50.371 ng/mlm
12) M 2-Amino-4,6-Dinitrotoluene	28.30	18886865	52.644 ng/mlm
13) M 2,4-Dinitrotoluene	32.59	27386035	51.836 ng/mlm
14) M 2-Nitrotoluene	41.11	24140767	104.752 ng/mlm
15) M 3-Nitrotoluene	48.16	26455039	102.275 ng/mlm

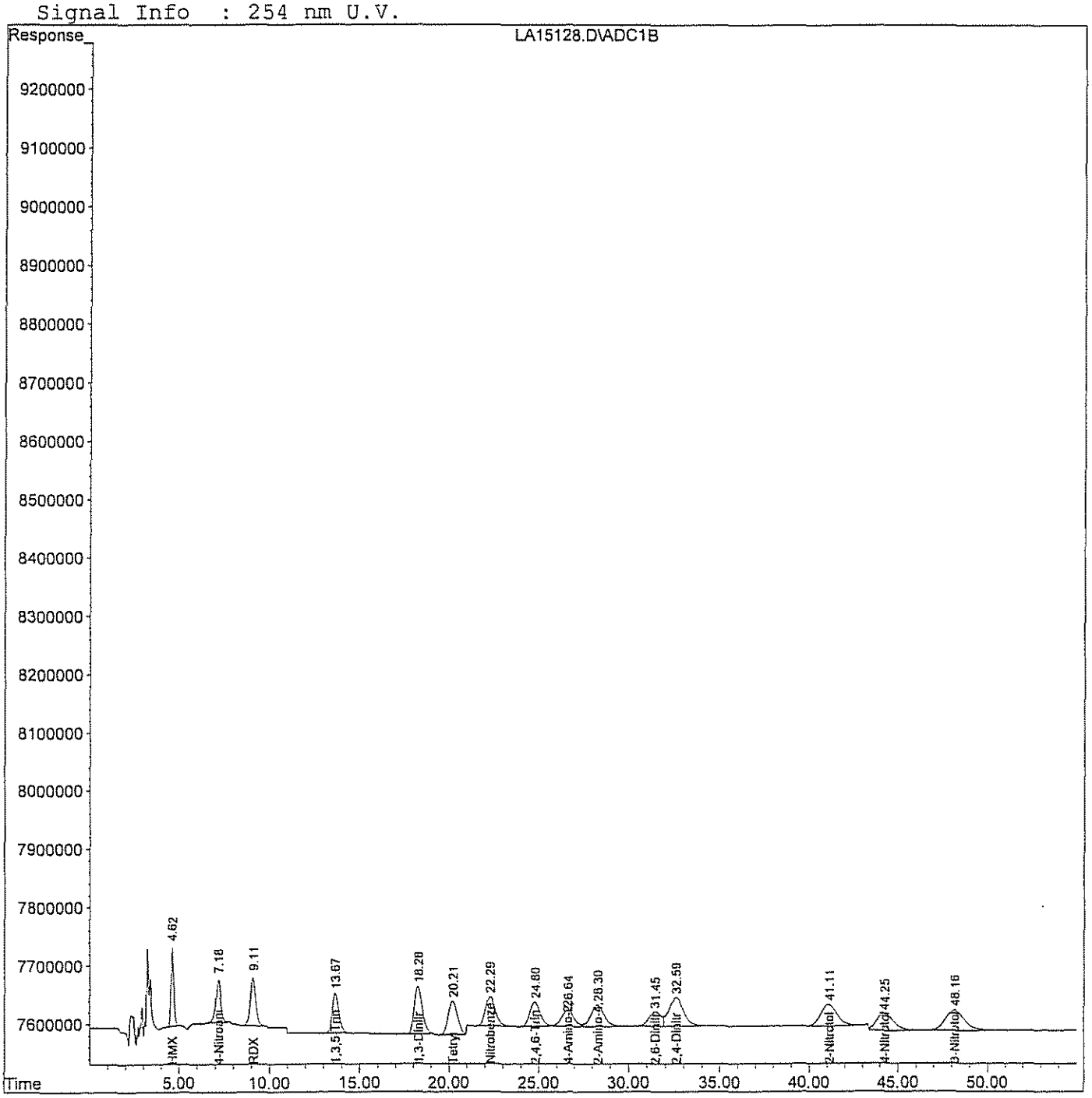
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15128.D Vial: 3
Acq On : 24 Jul 2006 9:49 pm Operator: AG
Sample : 8330MIX-LEV2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:03 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15129.D Vial: 4
Acq On : 24 Jul 2006 10:48 pm Operator: AG
Sample : 8330MIX-LEV3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.16	63364344	482.242 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 160.75%#					
Target Compounds					
1)	T	HMX	4.61	61156696	492.127 ng/ml
3)	T	1,3,5-Trinitrobenzene	13.68	88528114	252.696 ng/ml
4)	T	Tetryl	20.25	131700327	543.015 ng/ml
5)	T	2,4,6-Trinitrotoluene	24.83	86168690	254.796 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.68	59338371	238.850 ng/ml
7)	T	2,6-Dinitrotoluene	31.46	55632704	248.633 ng/ml
8)	T	4-Nitrotoluene	44.16	97333440	473.455 ng/mlm
9)	M	RDX	9.10	82443644	487.480 ng/ml
10)	M	1,3-Dinitrobenzene	18.31	129681991	251.245 ng/ml
11)	M	Nitrobenzene	22.33	91048887	245.068 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.31	89996265	250.848 ng/ml
13)	M	2,4-Dinitrotoluene	32.57	130595008	247.190 ng/ml
14)	M	2-Nitrotoluene	41.03	112976058	490.228 ng/ml
15)	M	3-Nitrotoluene	48.07	123794902	478.588 ng/ml

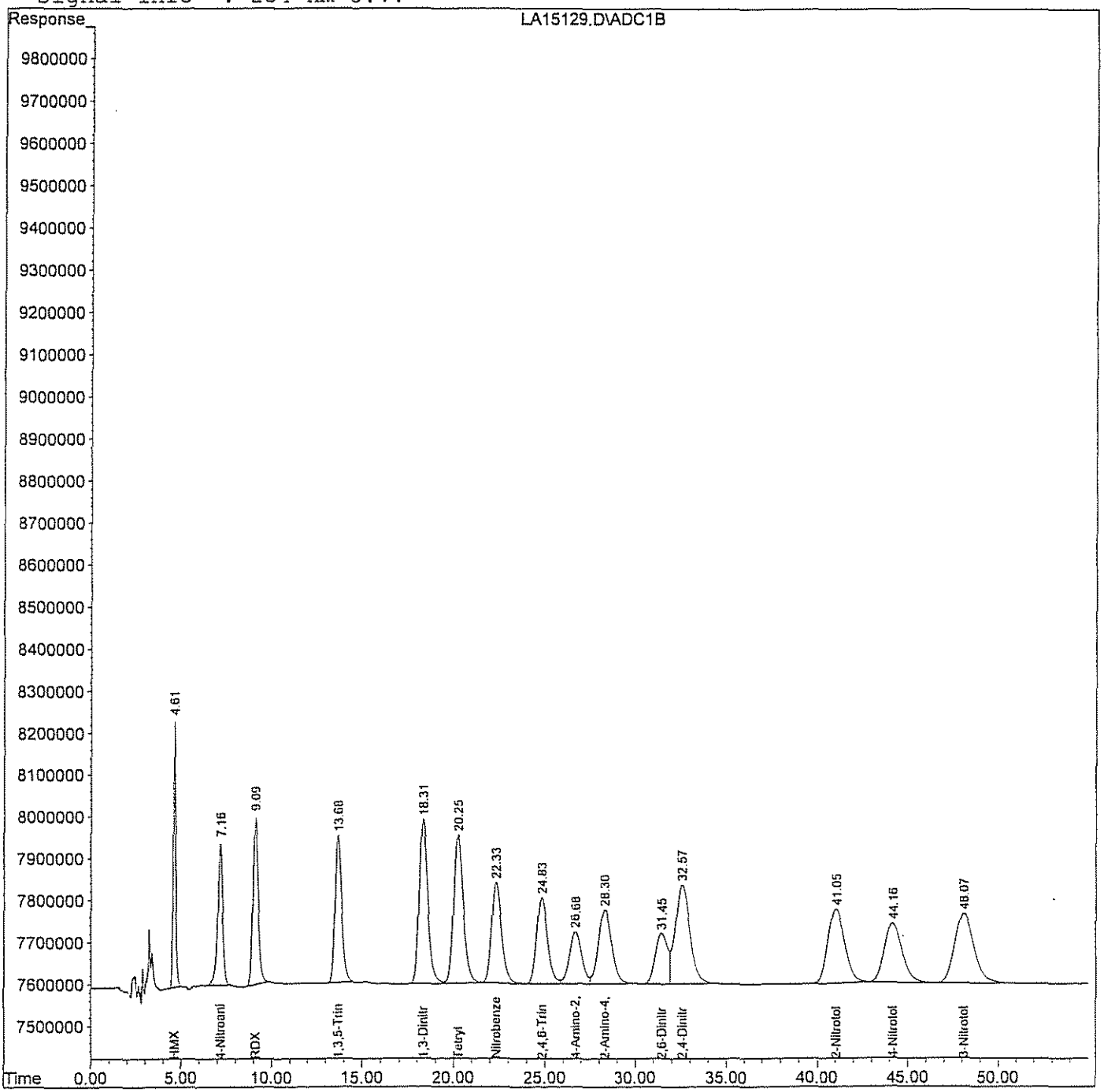
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15129.D Vial: 4
Acq On : 24 Jul 2006 10:48 pm Operator: AG
Sample : 8330MIX-LEV3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15130.D Vial: 5
Acq On : 24 Jul 2006 11:48 pm Operator: AG
Sample : 8330MIX-LEV4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.18	126392628	961.925 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 320.64%#					
Target Compounds					
1)	T	HMX	4.63	119551378	962.028 ng/ml
3)	T	1,3,5-Trinitrobenzene	13.69	175298545	500.374 ng/ml
4)	T	Tetryl	20.25	261744389	1079.201 ng/ml
5)	T	2,4,6-Trinitrotoluene	24.82	169367688	500.811 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.68	116836675	470.293 ng/ml
7)	T	2,6-Dinitrotoluene	31.44	108235838	483.727 ng/ml
8)	T	4-Nitrotoluene	44.13	204046526	992.536 ng/ml
9)	M	RDX	9.12	155334981	918.479 ng/ml
10)	M	1,3-Dinitrobenzene	18.31	254134020	492.358 ng/ml
11)	M	Nitrobenzene	22.33	182351687	490.819 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.29	177179097	493.854 ng/ml
13)	M	2,4-Dinitrotoluene	32.55	257032275	486.510 ng/ml
14)	M	2-Nitrotoluene	41.00	227330639	986.437 ng/ml
15)	M	3-Nitrotoluene	48.06	251779178	973.372 ng/ml

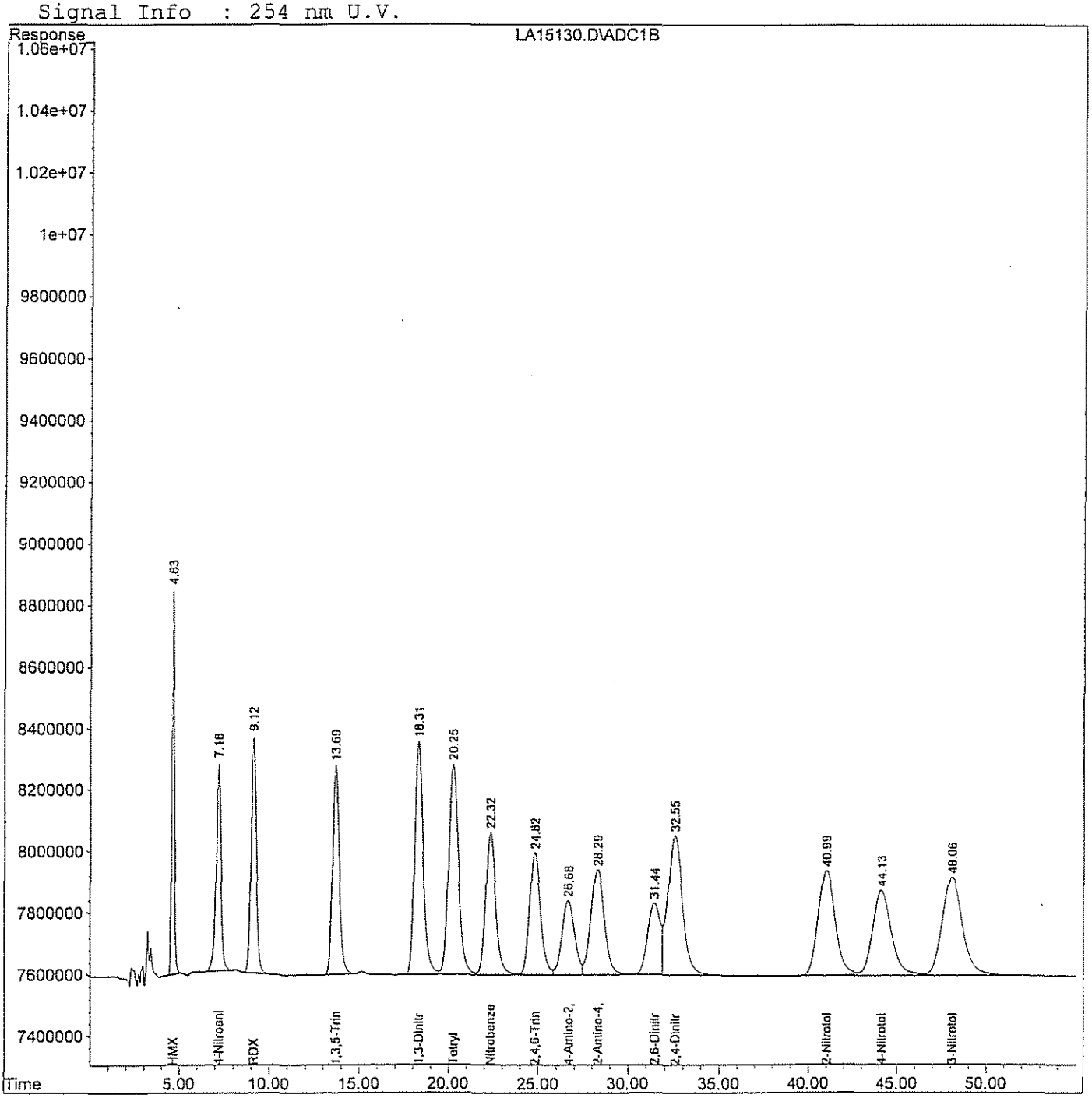
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15130.D Vial: 5
Acq On : 24 Jul 2006 11:48 pm Operator: AG
Sample : 8330MIX-LEV4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15131.D Vial: 6
Acq On : 25 Jul 2006 12:47 am Operator: AG
Sample : 8330MIX-LEV5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.19	276125577	2101.485 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 700.50%#					
Target Compounds					
1)	T	HMX	4.63	241558568	1943.817 ng/ml
3)	T	1,3,5-Trinitrobenzene	13.68	353379901	1008.691 ng/ml
4)	T	Tetryl	20.24	526827041	2172.165 ng/ml
5)	T	2,4,6-Trinitrotoluene	24.81	340780189	1007.669 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.67	237312925	955.237 ng/ml
7)	T	2,6-Dinitrotoluene	31.43	216162020	966.070 ng/ml
8)	T	4-Nitrotoluene	44.17	405456361	1972.246 ng/ml
9)	M	RDX	9.12	314198319	1857.820 ng/ml
10)	M	1,3-Dinitrobenzene	18.30	511517616	991.011 ng/ml
11)	M	Nitrobenzene	22.32	366851214	987.420 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.28	357343068	996.029 ng/ml
13)	M	2,4-Dinitrotoluene	32.54	517664050	979.834 ng/ml
14)	M	2-Nitrotoluene	41.02	458745788	1990.597 ng/ml
15)	M	3-Nitrotoluene	48.11	503189091	1945.317 ng/ml

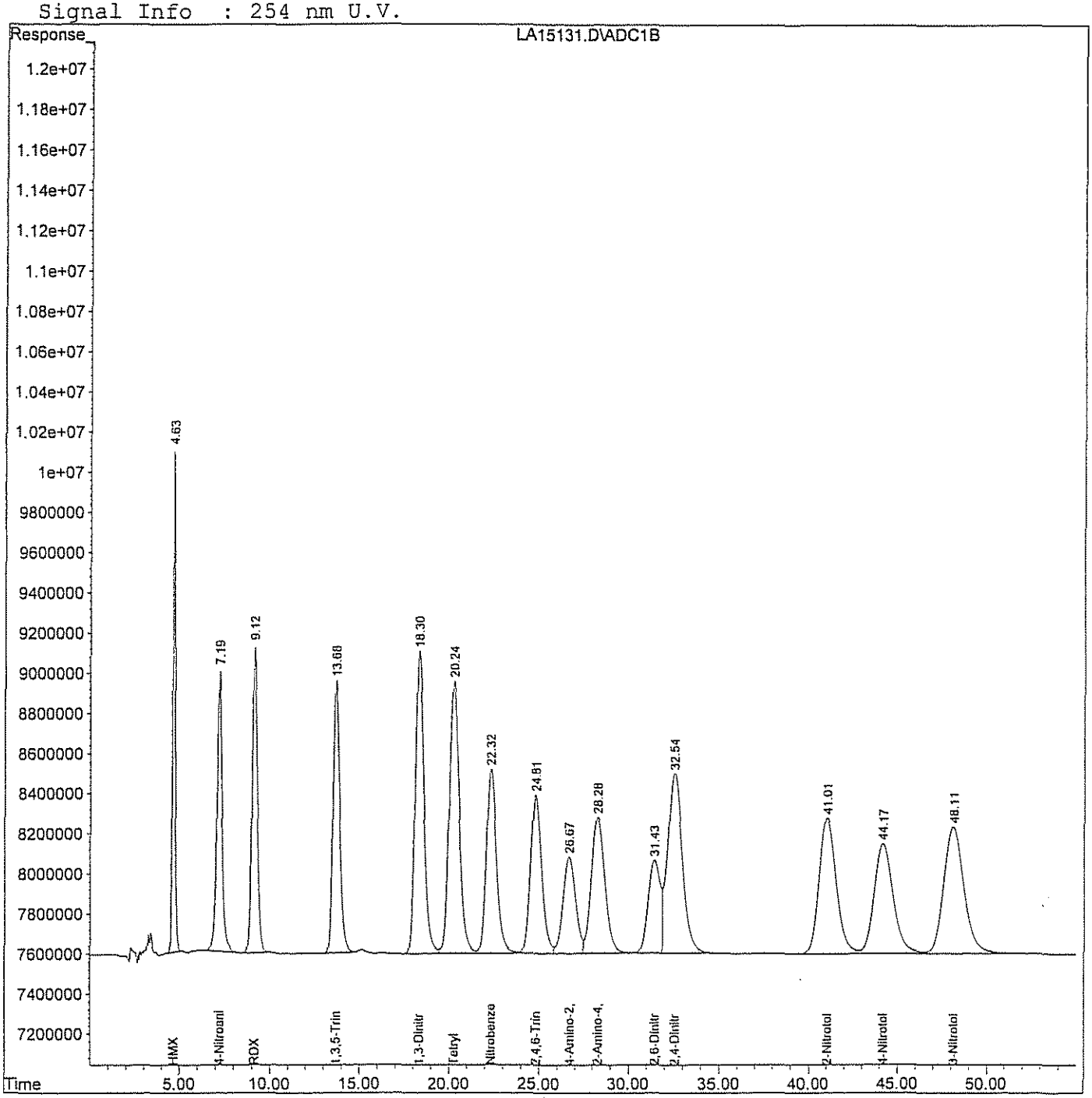
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15131.D Vial: 6
Acq On : 25 Jul 2006 12:47 am Operator: AG
Sample : 8330MIX-LEV5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15132.D Vial: 7
Acq On : 25 Jul 2006 1:47 am Operator: AG
Sample : 8330MIX-LEV6 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.17	635419184	4835.930 ng/ml
Spiked Amount 300.000 Range 49 - 133		Recovery	= 1611.98%#
Target Compounds			
1) T HMX	4.63	591641981	4760.932 ng/ml
3) T 1,3,5-Trinitrobenzene	13.66	865302677	2469.929 ng/ml
4) T Tetryl	20.20	1293186291	5331.948 ng/ml
5) T 2,4,6-Trinitrotoluene	24.78	830405000	2455.464 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	26.61	576219874	2319.411 ng/ml
7) T 2,6-Dinitrotoluene	31.41	541546198	2420.275 ng/ml
8) T 4-Nitrotoluene	44.19	999422431	4861.452 ng/ml
9) M RDX	9.10	763573799	4514.927 ng/ml
10) M 1,3-Dinitrobenzene	18.27	1255087143	2431.598 ng/ml
11) M Nitrobenzene	22.28	905197797	2436.437 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	28.23	872628409	2432.293 ng/ml
13) M 2,4-Dinitrotoluene	32.52	1290636854	2442.916 ng/ml
14) M 2-Nitrotoluene	41.05	1122871373	4872.381 ng/ml
15) M 3-Nitrotoluene	48.13	1244879261	4812.673 ng/ml

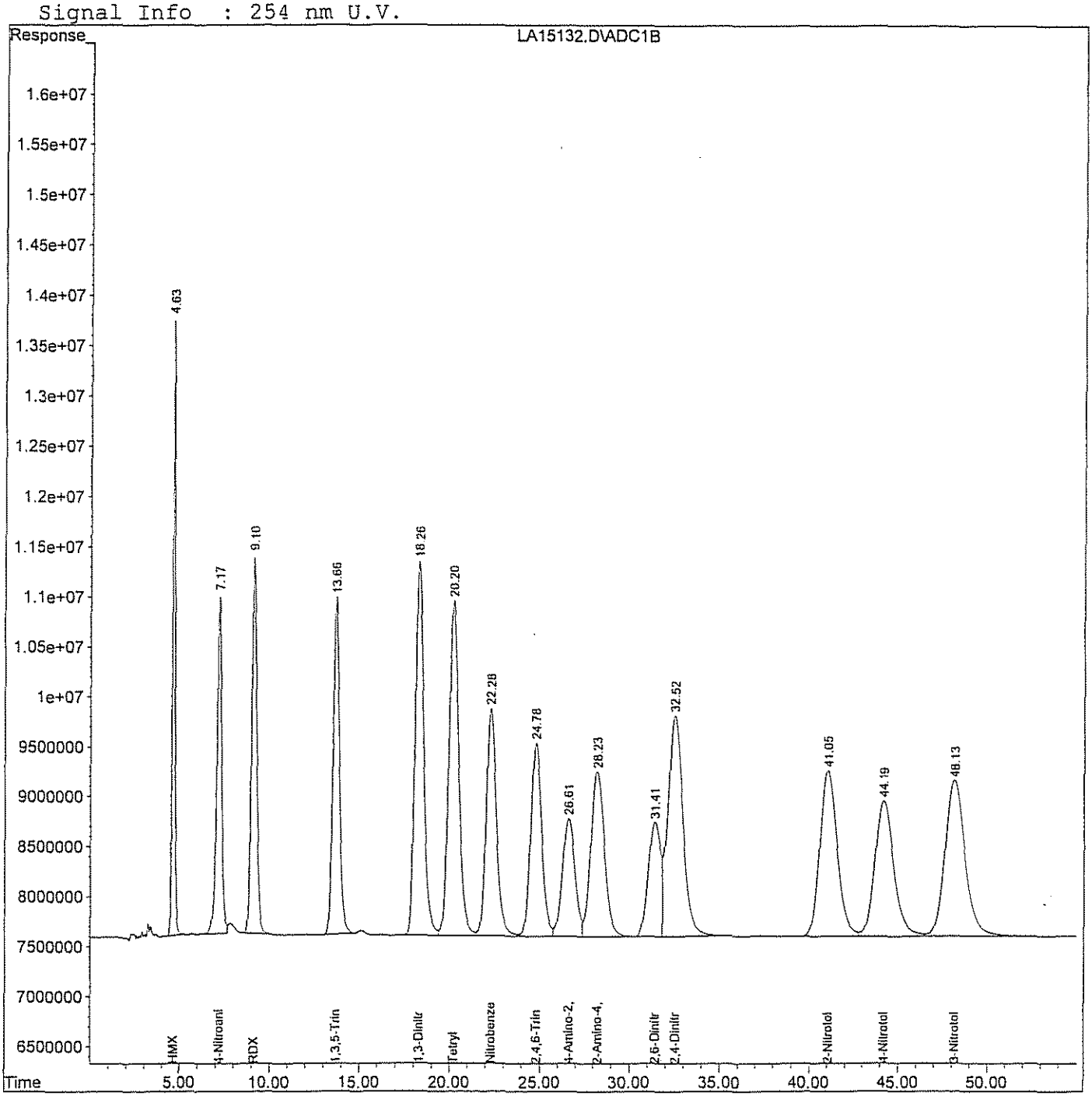
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15132.D Vial: 7
Acq On : 25 Jul 2006 1:47 am Operator: AG
Sample : 8330MIX-LEV6 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Evaluate Continuing Calibration Report

Data File : I:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Sep 12 09:11:13 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	T	HMX	123.272	128.417 E3	-4.2	100	0.00
3	T	1,3,5-Trinitrobenzene	347.033	317.586 E3	8.5	100	0.00
4	T	Tetryl	247.222	220.850 E3	10.7	100	0.00
5	T	2,4,6-Trinitrotoluene	341.474	387.767 E3	-13.6	100	0.00
6	T	4-Amino-2,6-Dinitrotoluene	246.017	220.102 E3	10.5	100	0.00
7	T	2,6-Dinitrotoluene	223.886	229.886 E3	-2.7	100	0.00
8	T	4-Nitrotoluene	204.473	182.991 E3	10.5	100	0.00
9	M	RDX	164.196	150.311 E3	8.5	100	0.00
10	M	1,3-Dinitrobenzene	516.125	495.540 E3	4.0	100	0.00
11	M	Nitrobenzene	371.276	373.234 E3	-0.5	100	0.00
12	M	2-Amino-4,6-Dinitrotoluene	360.921	316.902 E3	12.2	100	0.00
13	M	2,4-Dinitrotoluene	529.845	495.713 E3	6.4	100	0.00
14	M	2-Nitrotoluene	231.221	215.472 E3	6.8	100	0.00
15	M	3-Nitrotoluene	255.063	234.881 E3	7.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA15133.D 67258330.M Tue Sep 12 09:11:31 2006 A Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 am Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:23 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

System Monitoring Compounds

Target Compounds

		Compound	R.T.	Response	Conc	Units
1)	T	HMX	4.64	31709492	257.232	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.68	79396556	228.787	ng/ml
4)	T	Tetryl	20.22	52172418	211.034	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.79	96941841	283.892	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.65	53747201	218.470	ng/mlm
7)	T	2,6-Dinitrotoluene	31.42	57471600	256.701	ng/ml
8)	T	4-Nitrotoluene	44.20	45747798	223.735	ng/ml
9)	M	RDX	9.12	37577803	228.859	ng/ml
10)	M	1,3-Dinitrobenzene	18.29	123884926	240.029	ng/ml
11)	M	Nitrobenzene	22.31	93308511	251.319	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.27	81694969	226.351	ng/mlm
13)	M	2,4-Dinitrotoluene	32.54	123928225	233.895	ng/ml
14)	M	2-Nitrotoluene	41.05	53867995	232.972	ng/ml
15)	M	3-Nitrotoluene	48.12	58720340	230.219	ng/ml

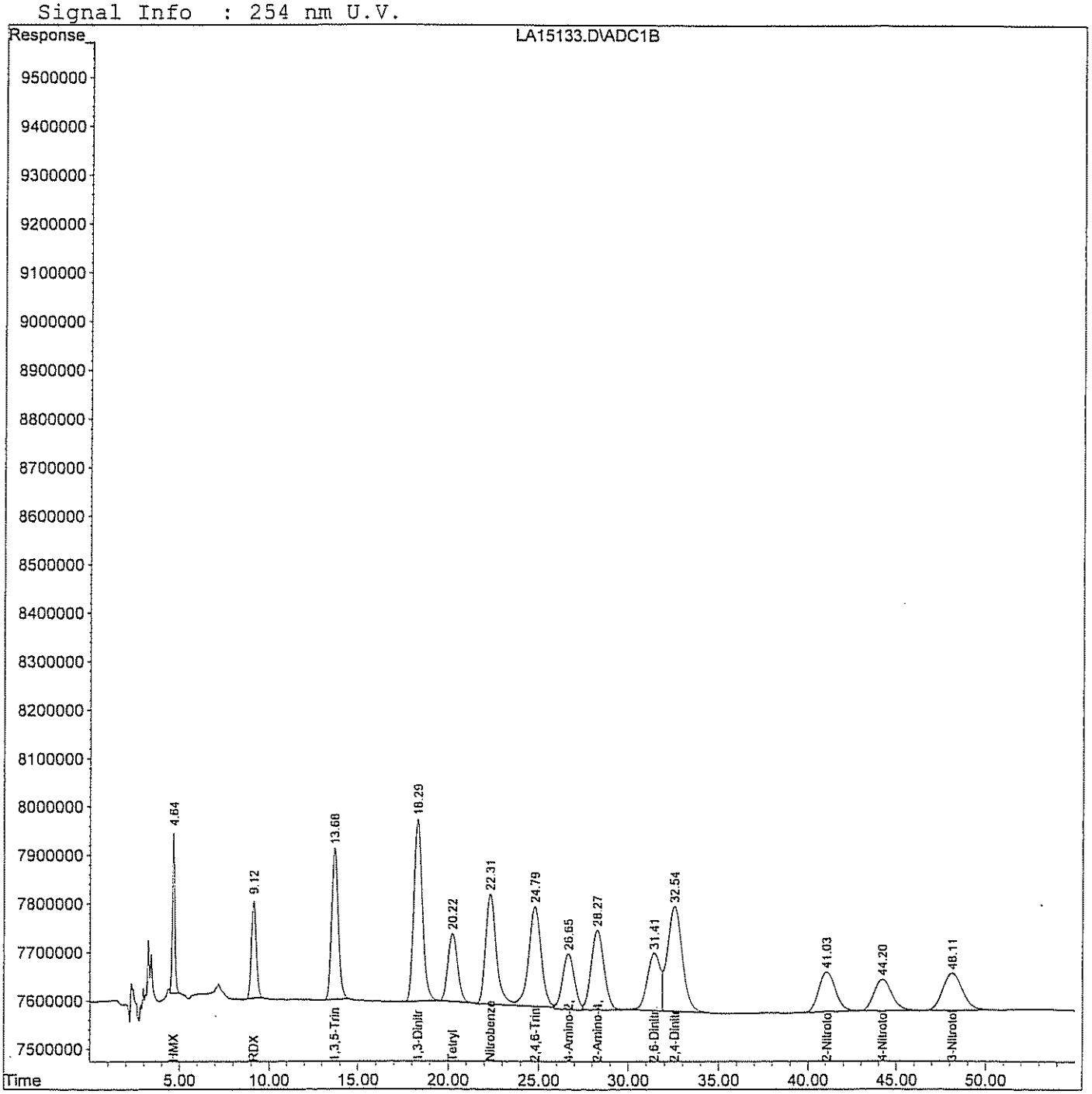
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 am Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:23 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT TYPE: LCA
COLUMN: C18 ANALYST SS
DATE: 7/24/06-7/27/06 DATE 09/14/06

COMPOUND	Retent Time 1 (LCA15145)	Retent Time 2 (LCA15168)	Retent Time 3 (LCA15187)	AVG	Stand Dev	3X Stnd Dev	Average Peak Width	RT WINDOW
4-Nitroaniline(Surr.)	7.180	7.100	7.090	7.123	0.049	0.148	0.30	0.15
HMX	4.640	4.600	4.600	4.613	0.023	0.069	0.30	0.15
1,3,5-Trinitrobenzene	13.710	13.520	13.480	13.570	0.123	0.369	0.50	0.25
Tetryl	20.310	19.900	19.800	20.003	0.270	0.811	0.70	0.35
2,4,6-Trinitrotoluene	24.860	24.420	24.330	24.537	0.284	0.851	0.80	0.40
4-ADNT	26.730	26.210	26.090	26.343	0.340	1.021	0.80	0.40
2,6-Dinitrotoluene	31.490	30.900	30.800	31.063	0.373	1.119	0.80	0.40
4-Nitrotoluene	44.300	43.390	43.270	43.653	0.563	1.690	0.90	0.45
RDX	9.130	9.010	8.990	9.043	0.076	0.227	0.40	0.20
1,3-Dinitrobenzene	18.350	18.070	18.000	18.140	0.185	0.556	0.50	0.25
Nitrobenzene	22.370	22.010	21.930	22.103	0.234	0.703	0.50	0.25
2-ADNT	28.340	27.830	27.690	27.953	0.342	1.026	0.70	0.35
2,4-Dinitrotoluene	32.610	32.010	31.910	32.177	0.379	1.136	0.60	0.30
2-Nitrotoluene	41.130	40.290	40.180	40.533	0.520	1.559	0.80	0.40
3-Nitrotoluene	48.250	47.240	47.110	47.533	0.624	1.872	0.80	0.40

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sun Sep 17 12:34:25 2006
Response via : Initial Calibration

Continuing Calibration File: LA16115.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.402	E3	-4.2	105
2	S	4-Nitroaniline	130.787	131.505	E3	-0.5	104
3	T	1,3,5-Trinitrobenzene	347.033	367.846	E3	-6.0	104
4	T	Tetryl	247.222	274.827	E3	-11.2	104
5	T	2,4,6-Trinitrotoluene	341.474	351.043	E3	-2.8	102
6	T	4-Amino-2,6-Dinitrotoluene	246.017	240.495	E3	2.2	101
7	T	2,6-Dinitrotoluene	223.886	237.681	E3	-6.2	107
8	T	4-Nitrotoluene	204.473	200.081	E3	2.1	103
9	M	RDX	164.196	155.386	E3	5.4	94
10	M	1,3-Dinitrobenzene	516.125	518.656	E3	-0.5	100
11	M	Nitrobenzene	371.276	359.568	E3	3.2	99
12	M	2-Amino-4,6-Dinitrotoluene	360.921	364.471	E3	-1.0	101
13	M	2,4-Dinitrotoluene	529.845	494.074	E3	6.8	95
14	M	2-Nitrotoluene	231.221	234.282	E3	-1.3	104
15	M	3-Nitrotoluene	255.063	251.015	E3	1.6	101

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16115.D 67258330.M Sun Sep 17 12:34:28 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16115.D Vial: 1
Acq On : 11 Sep 2006 20:47 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 21:47 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.43	65752464	502.744 ng/ml
Spiked Amount 300.000 Range 49 - 133		Recovery = 167.58%#	
Target Compounds			
1) T HMX	4.75	64201171	520.808 ng/ml
3) T 1,3,5-Trinitrobenzene	14.25	91961556	264.994 ng/ml
4) T Tetryl	21.48	137413376	555.829 ng/ml
5) T 2,4,6-Trinitrotoluene	26.19	87760764	257.005 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	28.31	60123771	244.389 ng/ml
7) T 2,6-Dinitrotoluene	33.33	59420128	265.404 ng/ml
8) T 4-Nitrotoluene	46.95	100040418	489.260 ng/ml
9) M RDX	9.47	77693217	473.174 ng/ml
10) M 1,3-Dinitrobenzene	19.14	129664070	251.226 ng/ml
11) M Nitrobenzene	23.41	89892028	242.117 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	29.97	91117628	252.458 ng/ml
13) M 2,4-Dinitrotoluene	34.45	123518408	233.122 ng/ml
14) M 2-Nitrotoluene	43.58	117140954	506.620 ng/ml
15) M 3-Nitrotoluene	51.14	125507351	492.064 ng/ml

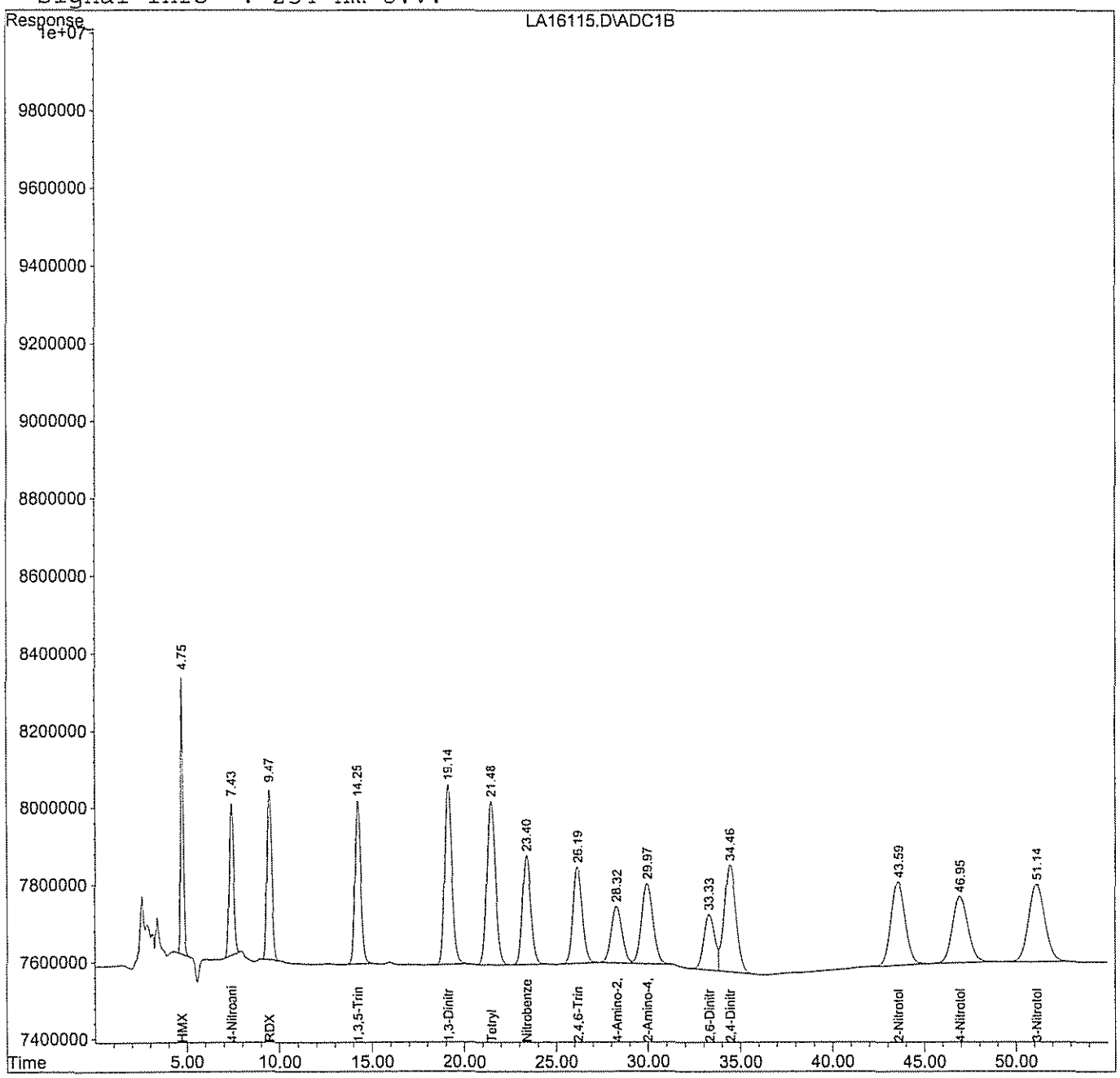
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16115.D Vial: 1
Acq On : 11 Sep 2006 20:47 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 21:47 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sun Sep 17 12:34:33 2006
Response via : Initial Calibration

Continuing Calibration File: LA16128.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.008	E3	-3.8	105
2	S	4-Nitroaniline	130.787	132.793	E3	-1.5	105
3	T	1,3,5-Trinitrobenzene	347.033	369.071	E3	-6.4	104
4	T	Tetryl	247.222	276.543	E3	-11.9	105
5	T	2,4,6-Trinitrotoluene	341.474	352.302	E3	-3.2	102
6	T	4-Amino-2,6-Dinitrotoluene	246.017	241.006	E3	2.0	102
7	T	2,6-Dinitrotoluene	223.886	244.224	E3	-9.1	110
8	T	4-Nitrotoluene	204.473	234.026	E3	-14.5	120
9	M	RDX	164.196	162.480	E3	1.0	99
10	M	1,3-Dinitrobenzene	516.125	523.001	E3	-1.3	101
11	M	Nitrobenzene	371.276	362.907	E3	2.3	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	364.994	E3	-1.1	101
13	M	2,4-Dinitrotoluene	529.845	520.747	E3	1.7	100
14	M	2-Nitrotoluene	231.221	232.053	E3	-0.4	103
15	M	3-Nitrotoluene	255.063	235.729	E3	7.6	95

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16128.D 67258330.M Sun Sep 17 12:34:36 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16128.D Vial: 14
Acq On : 12 Sep 2006 9:50 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:16 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.43	66396474	507.668	ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery	= 169.22%#	
Target Compounds						
1)	T	HMX	4.75	64004204	519.210	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.25	92267691	265.876	ng/ml
4)	T	Tetryl	21.48	138271397	559.299	ng/ml
5)	T	2,4,6-Trinitrotoluene	26.19	88075498	257.927	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.31	60251618	244.909	ng/ml
7)	T	2,6-Dinitrotoluene	33.33	61055888	272.710	ng/ml
8)	T	4-Nitrotoluene	46.93	117013029	572.266	ng/mlm
9)	M	RDX	9.47	81239784	494.773	ng/ml
10)	M	1,3-Dinitrobenzene	19.14	130750333	253.331	ng/ml
11)	M	Nitrobenzene	23.41	90726657	244.365	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.97	91248418	252.821	ng/ml
13)	M	2,4-Dinitrotoluene	34.46	130186726	245.707	ng/ml
14)	M	2-Nitrotoluene	43.56	116026585	501.800	ng/ml
15)	M	3-Nitrotoluene	51.08	117864352	462.099	ng/ml

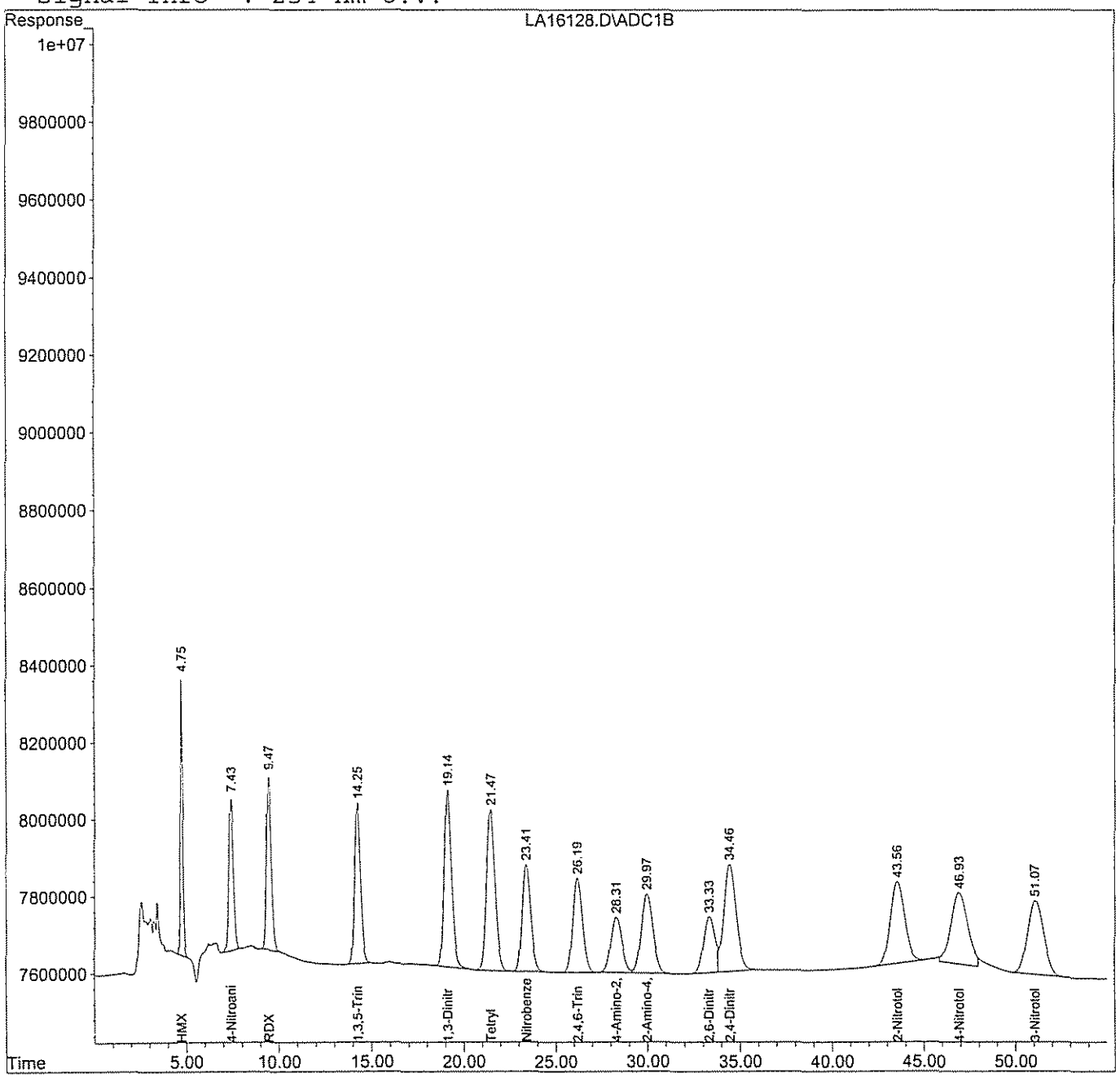
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16128.D Vial: 14
Acq On : 12 Sep 2006 9:50 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:16 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sun Sep 17 12:34:42 2006
Response via : Initial Calibration

Continuing Calibration File: LA16141.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.381	E3	-4.1	105
2	S	4-Nitroaniline	130.787	129.207	E3	1.2	102
3	T	1,3,5-Trinitrobenzene	347.033	372.594	E3	-7.4	105
4	T	Tetryl	247.222	277.366	E3	-12.2	105
5	T	2,4,6-Trinitrotoluene	341.474	352.975	E3	-3.4	102
6	T	4-Amino-2,6-Dinitrotoluene	246.017	242.067	E3	1.6	102
7	T	2,6-Dinitrotoluene	223.886	244.867	E3	-9.4	110
8	T	4-Nitrotoluene	204.473	200.319	E3	2.0	103
9	M	RDX	164.196	161.432	E3	1.7	98
10	M	1,3-Dinitrobenzene	516.125	522.165	E3	-1.2	101
11	M	Nitrobenzene	371.276	362.810	E3	2.3	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	366.086	E3	-1.4	102
13	M	2,4-Dinitrotoluene	529.845	517.068	E3	2.4	99
14	M	2-Nitrotoluene	231.221	233.741	E3	-1.1	103
15	M	3-Nitrotoluene	255.063	252.281	E3	1.1	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16141.D 67258330.M Sun Sep 17 12:34:45 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16141.D Vial: 27
Acq On : 12 Sep 2006 22:44 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:51 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	7.44	64603657	493.960	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 164.65%#	
		Target Compounds				
1)	T	HMX	4.76	64190386	520.721	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.27	93148563	268.414	ng/ml
4)	T	Tetryl	21.52	138682832	560.964	ng/ml
5)	T	2,4,6-Trinitrotoluene	26.24	88243805	258.420	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.39	60516713	245.986	ng/ml
7)	T	2,6-Dinitrotoluene	33.40	61216763	273.429	ng/ml
8)	T	4-Nitrotoluene	47.01	100159411	489.842	ng/ml
9)	M	RDX	9.48	80716113	491.584	ng/ml
10)	M	1,3-Dinitrobenzene	19.17	130541215	252.926	ng/ml
11)	M	Nitrobenzene	23.45	90702592	244.300	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	30.05	91521577	253.578	ng/ml
13)	M	2,4-Dinitrotoluene	34.53	129267072	243.972	ng/ml
14)	M	2-Nitrotoluene	43.64	116870366	505.450	ng/ml
15)	M	3-Nitrotoluene	51.19	126140327	494.545	ng/ml

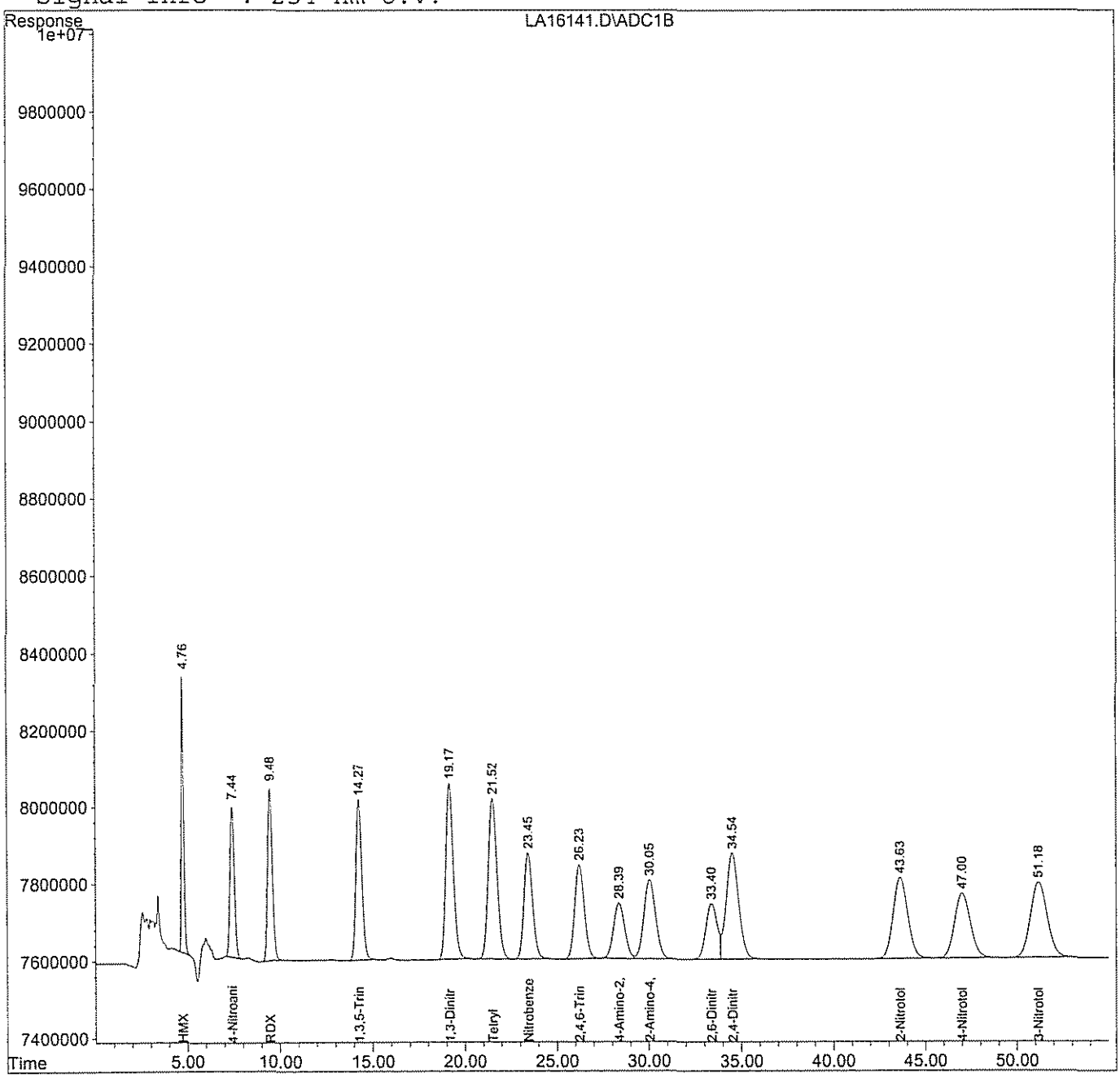
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16141.D Vial: 27
Acq On : 12 Sep 2006 22:44 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:51 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Response Factor Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005

Calibration Files
LEV1 =LA14360.D LEV2 =LA14361.D LEV3 =LA14362.D
LEV4 =LA14363.D LEV5 =LA14364.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1)	S	4-NITROANILINE	1.449	1.256	1.170	1.118	1.136	1.226 E5	11.05
2)	M	NITROGLYCERINE	1.594	1.775	1.828	1.696	1.909	1.760 E6	6.88

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14359.D Vial: 1
Acq On : 7 Jun 2006 11:49 Operator: SS
Sample : 8330NG-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:55 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

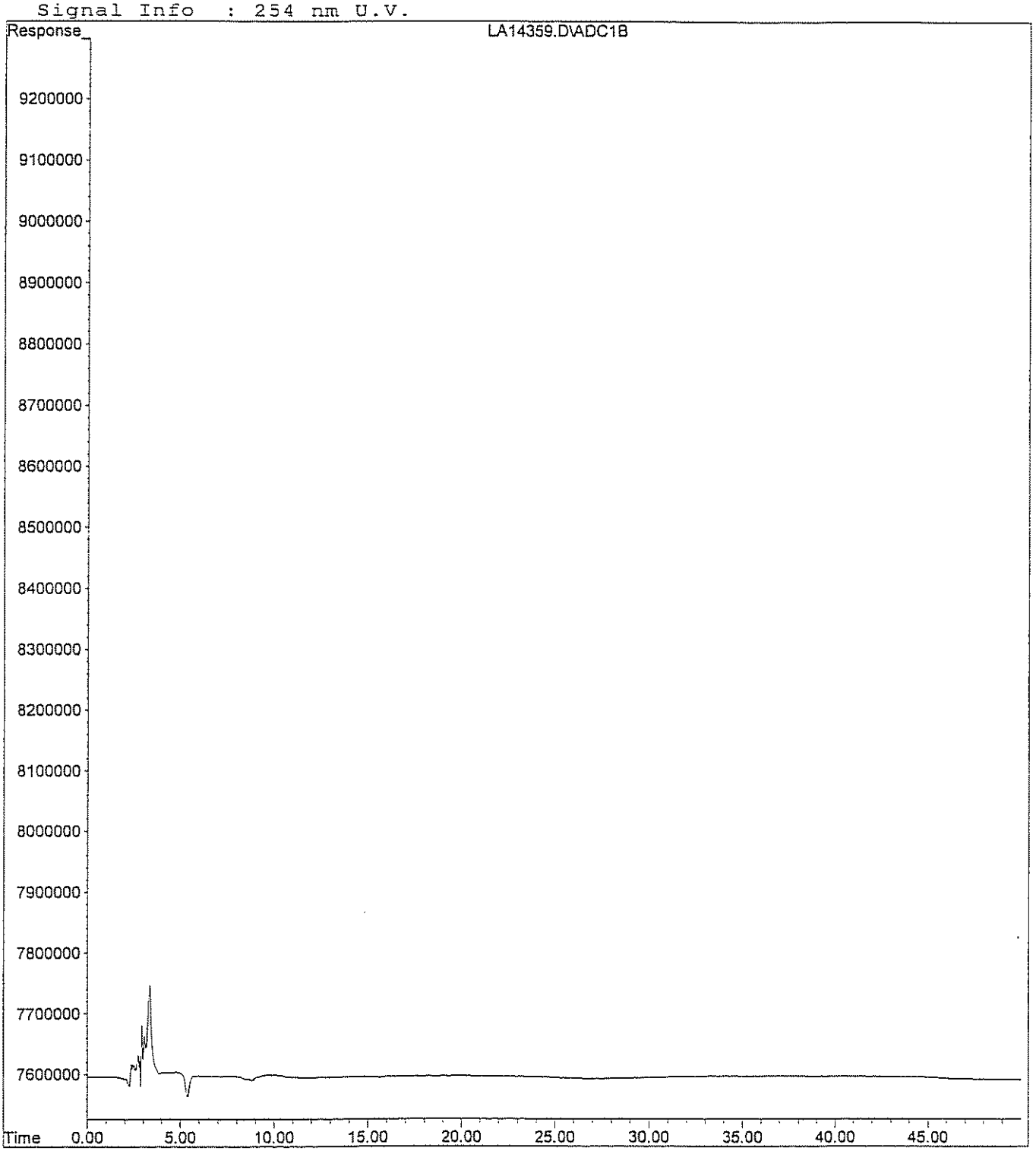
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	0.00	0	N.D.	PPB
Spiked Amount 300.000		Recovery =	0.00%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14359.D Vial: 1
Acq On : 7 Jun 2006 11:49 Operator: SS
Sample : 8330NG-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:55 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14360.D Vial: 2
Acq On : 7 Jun 2006 12:44 Operator: SS
Sample : 8330NG- LEV 1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	6.99	3622306	27.379	PPB	m
Spiked Amount 300.000		Recovery =	9.13%		
Target Compounds					
2) M NITROGLYCERINE	21.44	1593800	0.897	PPM	m

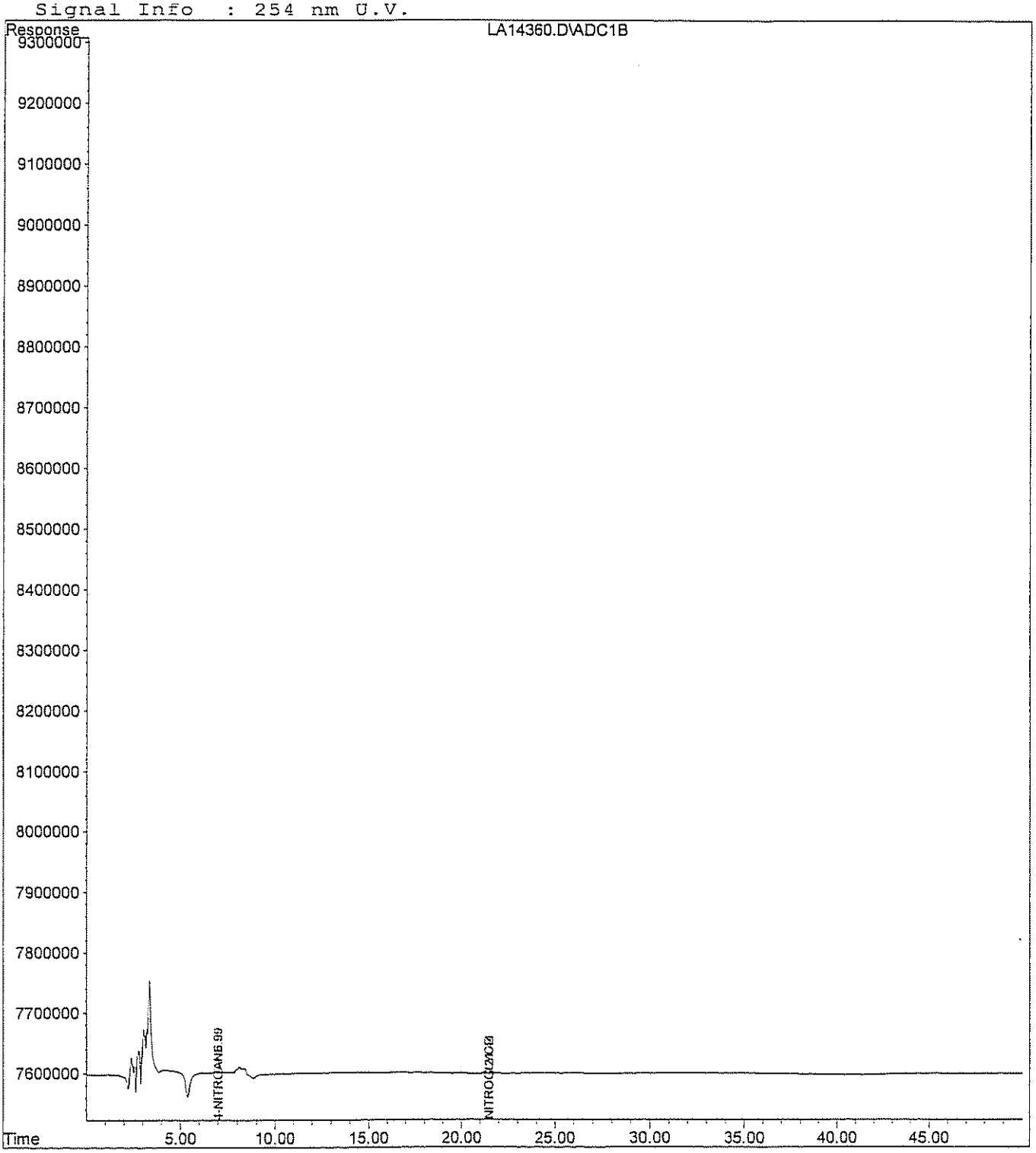
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14360.D Vial: 2
Acq On : 7 Jun 2006 12:44 Operator: SS
Sample : 8330NG- LEV 1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14361.D Vial: 3
Acq On : 7 Jun 2006 13:38 Operator: SS
Sample : 8330NG- LEV 2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	15700448	116.384 PPB
Spiked Amount 300.000		Recovery =	38.79%
Target Compounds			
2) M NITROGLYCERINE	21.44	8873539	5.090 PPM m

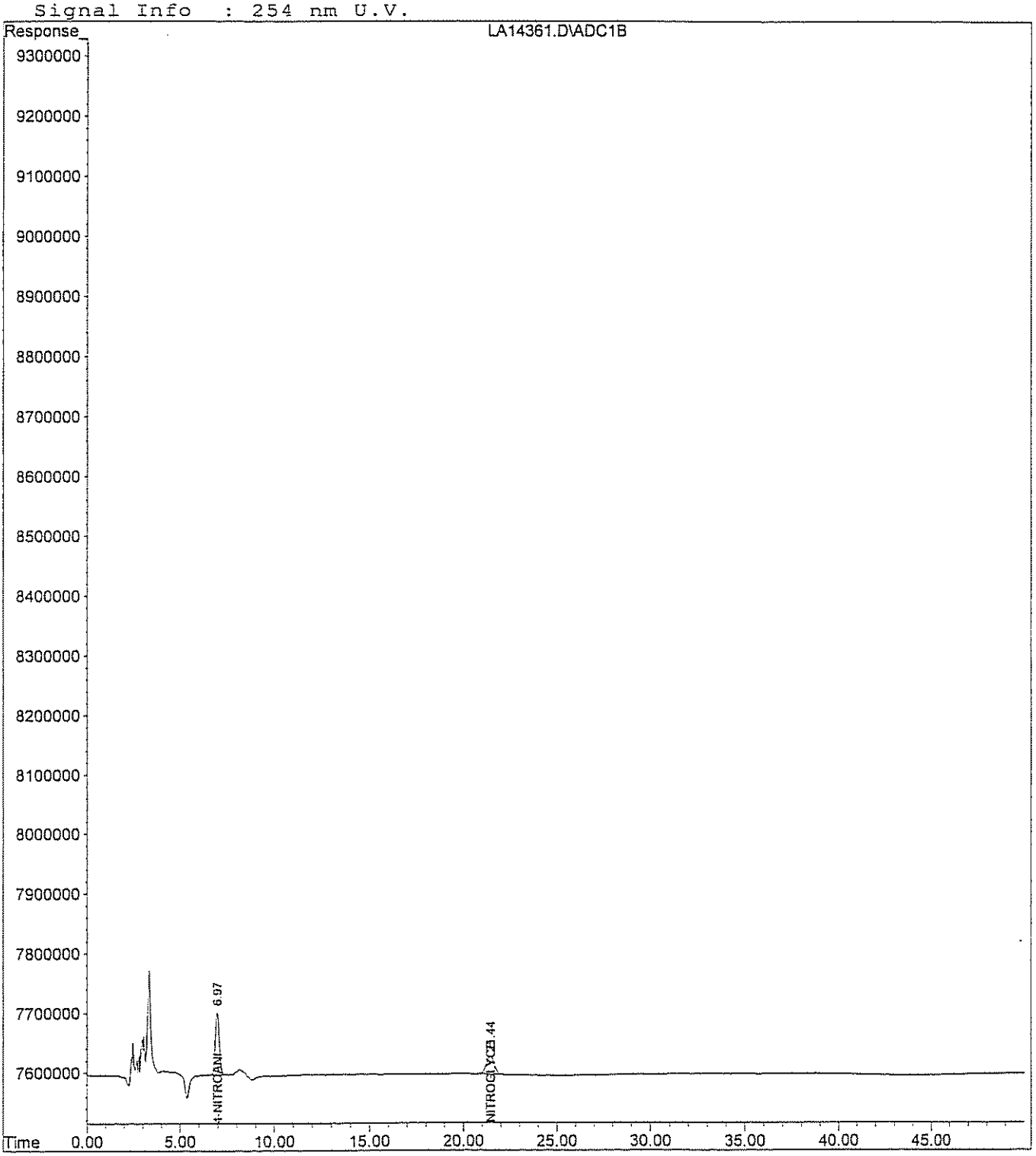
(f)=RT Delta > 1/2 Window
LA14361.D 60607NG.M Thu Jun 08 10:11:05 2006 Page 1

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14361.D Vial: 3
Acq On : 7 Jun 2006 13:38 Operator: SS
Sample : 8330NG- LEV 2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14362.D Vial: 4
Acq On : 7 Jun 2006 14:33 Operator: SS
Sample : 8330NG- LEV 3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:54 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	29257975	211.980 PPB
Spiked Amount 300.000		Recovery =	70.66%
Target Compounds			
2) M NITROGLYCERINE	21.42	18282386	10.307 PPM

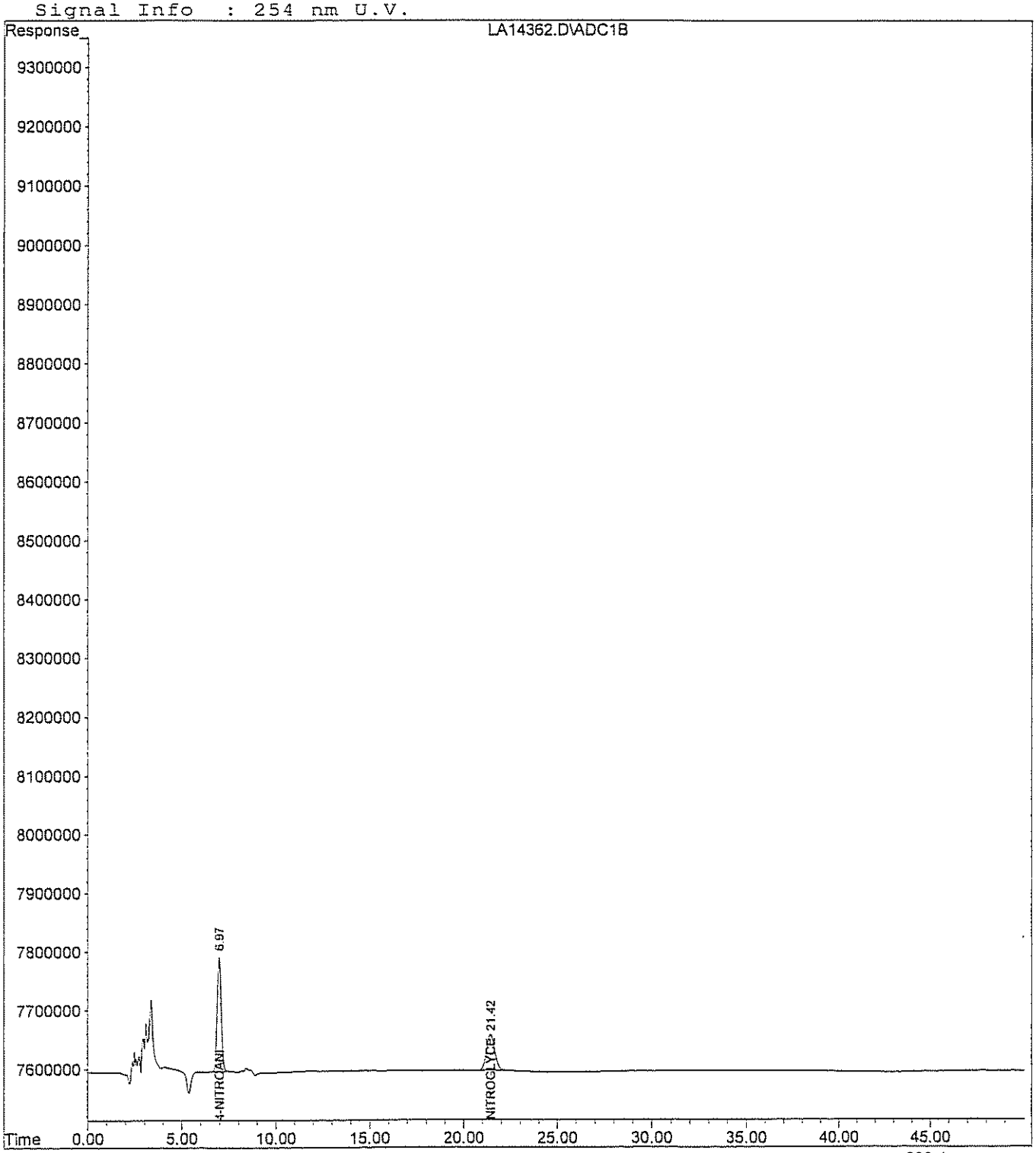
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14362.D Vial: 4
Acq On : 7 Jun 2006 14:33 Operator: SS
Sample : 8330NG- LEV 3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:54 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14363.D Vial: 5
Acq On : 7 Jun 2006 15:27 Operator: SS
Sample : 8330NG- LEV 4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.98	55922720	423.669 PPB
Spiked Amount 300.000		Recovery =	141.22%
Target Compounds			
2) M NITROGLYCERINE	21.41	33914195	19.489 PPM

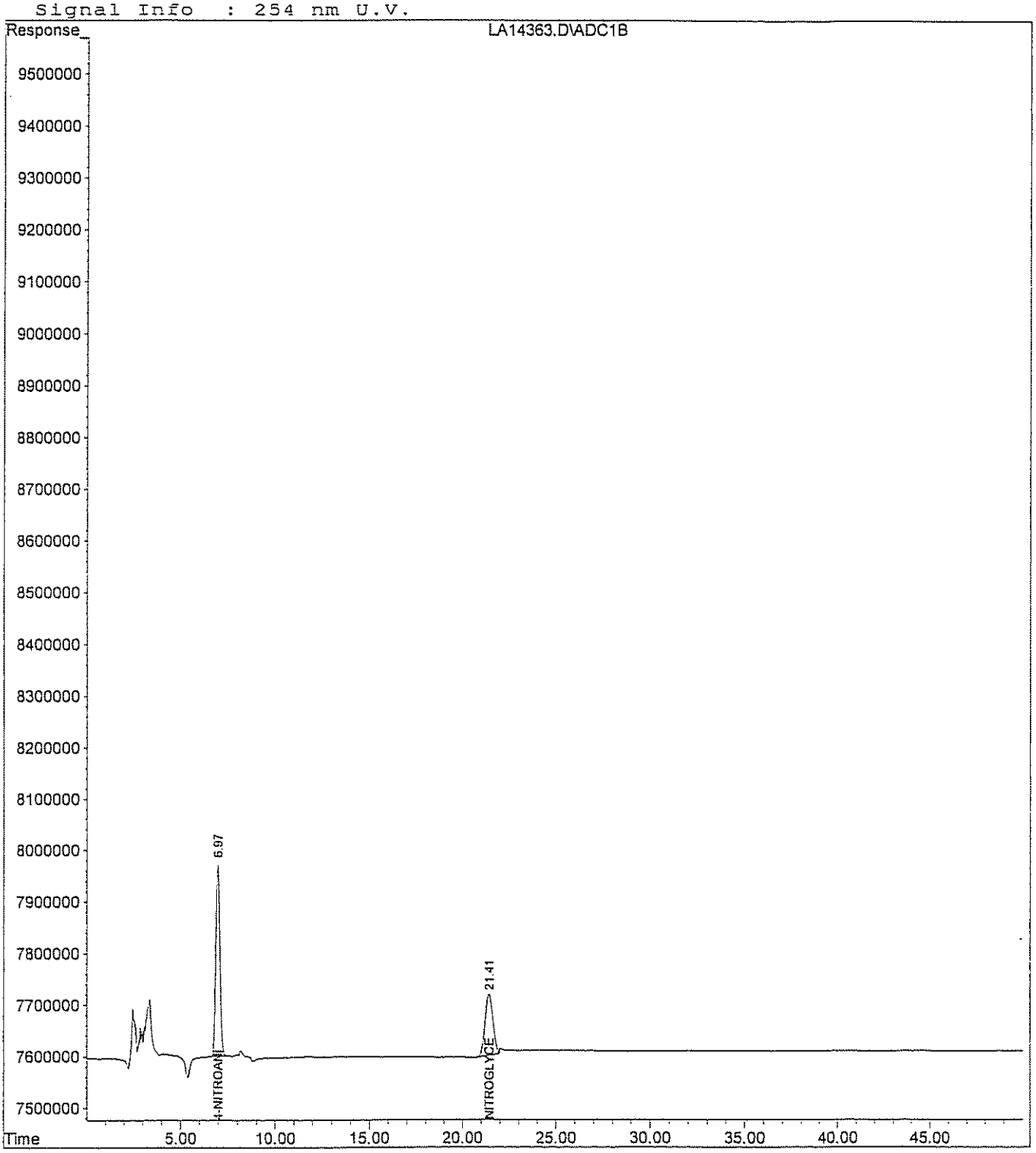
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14363.D
Acq On : 7 Jun 2006 15:27
Sample : 8330NG- LEV 4
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Vial: 5
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14364.D Vial: 6
Acq On : 7 Jun 2006 17:31 Operator: SS
Sample : 8330NG- LEV 5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:57 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	6.97	141957833	1116.848	PPB
Spiked Amount 300.000		Recovery =	372.28%	
Target Compounds				
2) M NITROGLYCERINE	21.39	95433920	55.439	PPM

(f)=RT Delta(sec) (r)=Resp Ratio (m)=manual int.

LA14364.D 60607NG.M Thu Jun 08 10:11:13 2006 Page 1

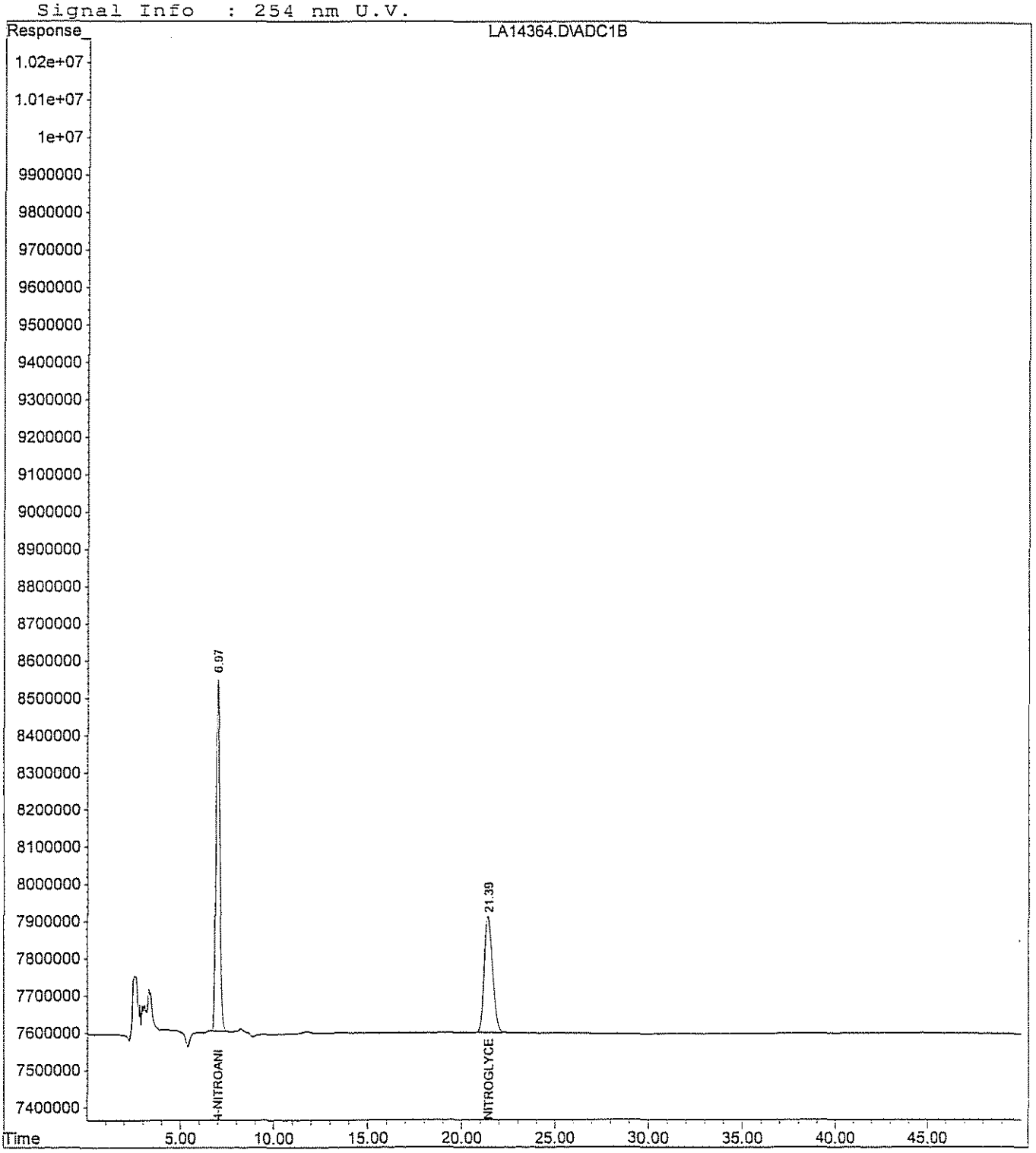
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14364.D
Acq On : 7 Jun 2006 17:31
Sample : 8330NG- LEV 5
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:57 2006 Quant Results File: 60607NG.RES

Vial: 6
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Camp Adair/Adair AFS - Appendix F
200-1e
F10OR002908_01.09_0504_a
170

Evaluate Continuing Calibration Report

Data File : I:\LCDATA\LCA\060706\LA14365.D Vial: 7
Acq On : 7 Jun 2006 18:26 Operator: SS
Sample : 8330NG- ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Thu Sep 14 16:55:21 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	4-NITROANILINE	122.588	115.036 E3	6.2	97	-0.40
2	M	NITROGLYCERINE	1.760	1.894 E6	-7.6	96	-1.94#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14365.D Vial: 7
Acq On : 7 Jun 2006 18:26 Operator: SS
Sample : 8330NG- ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:58 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	6.98	28759051	234.599	PPB	m
Spiked Amount 300.000		Recovery =	78.20%		
Target Compounds					
2) M NITROGLYCERINE	21.41	18939480	10.760	PPM	

(f)=RT Delta > 0.2 min
LA14365.D 60607NG.M Thu Jun 08 10:11:16 2006 Page 1

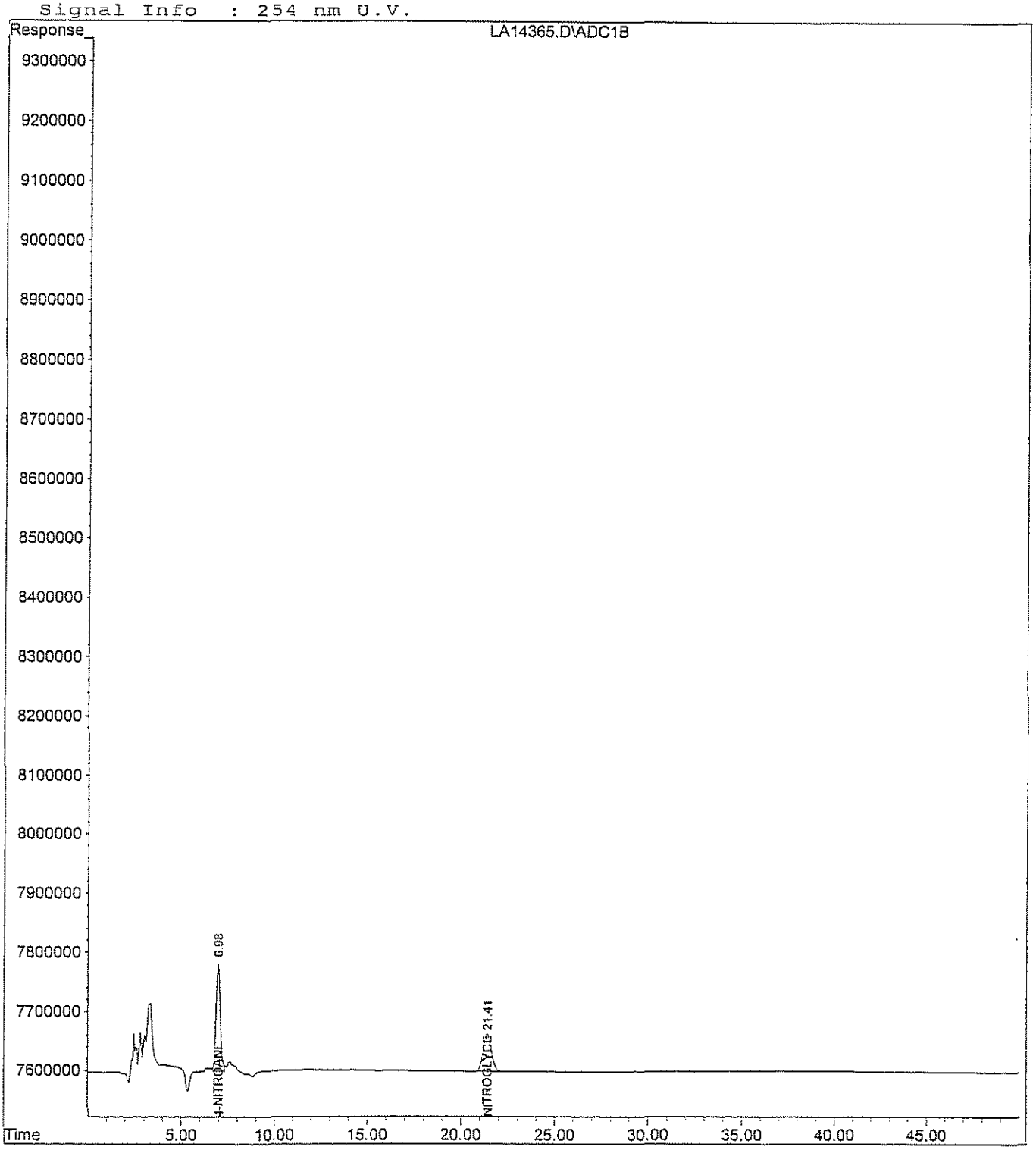
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14365.D
Acq On : 7 Jun 2006 18:26
Sample : 8330NG- ICV
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:58 2006 Quant Results File: 60607NG.RES

Vial: 7
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT: LCA CA14453 LCA1447 CA14495
COLUMN: C8 ANALYST SS
DATE: 06/19/2006-06/21/2006

COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std De	Avg PW	RT Window
4-Nitroaniline(Surr.)	7.09	7.07	7.07	0.31	7.09	0.30	7.083	0.035	2.56	1.28
Nitroglycerine	21.92	21.96	21.96	0.51	21.98	0.53	21.953	0.092	7.67	3.83

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sun Sep 17 12:34:58 2006
Response via : Initial Calibration

Continuing Calibration File: LA16116.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	131.664	E3	-7.4	113
2	M	NITROGLYCERINE	1.760	1.773	E6	-0.7	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16116.D 60607NG.M Sun Sep 17 12:35:01 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16116.D Vial: 2
Acq On : 11 Sep 2006 21:56 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 22:48 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.43	32916013	268.510 PPB
Spiked Amount 300.000		Recovery =	89.50%
Target Compounds			
2) M NITROGLYCERINE	23.63	17725416	10.070 PPM

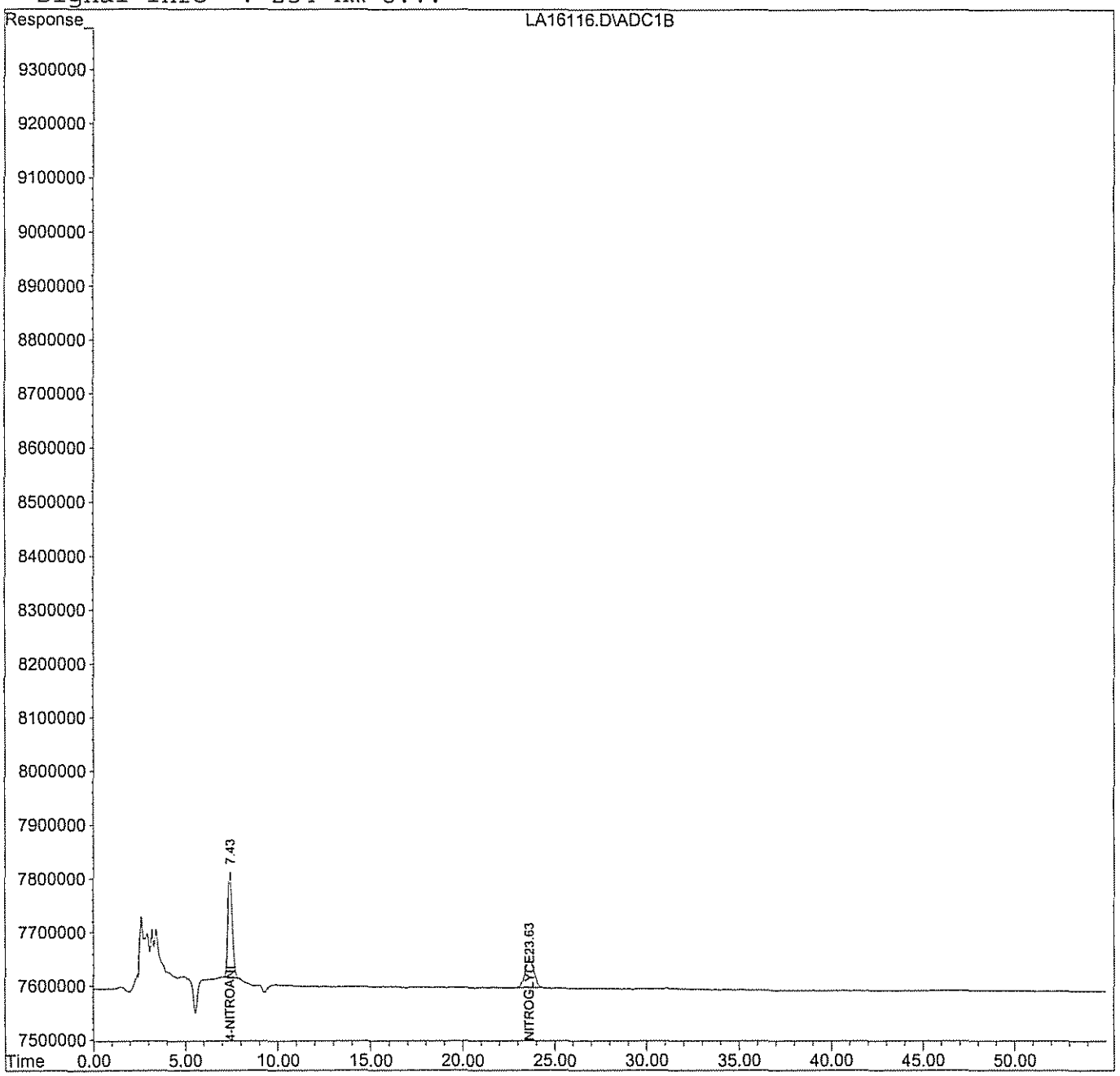
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16116.D Vial: 2
Acq On : 11 Sep 2006 21:56 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 22:48 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16116.D 60607NG.M Sun Sep 17 12:29:56 2006 RPT Page 2

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sun Sep 17 12:35:07 2006
Response via : Initial Calibration

Continuing Calibration File: LA16129.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	122.117	E3	0.4	104
2	M	NITROGLYCERINE	1.760	1.781	E6	-1.2	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16129.D 60607NG.M Sun Sep 17 12:35:08 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16129.D Vial: 15
Acq On : 12 Sep 2006 10:50 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:20 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.44	30529301	249.040 PPB
Spiked Amount 300.000		Recovery =	83.01%
Target Compounds			
2) M NITROGLYCERINE	23.68	17805285	10.115 PPM

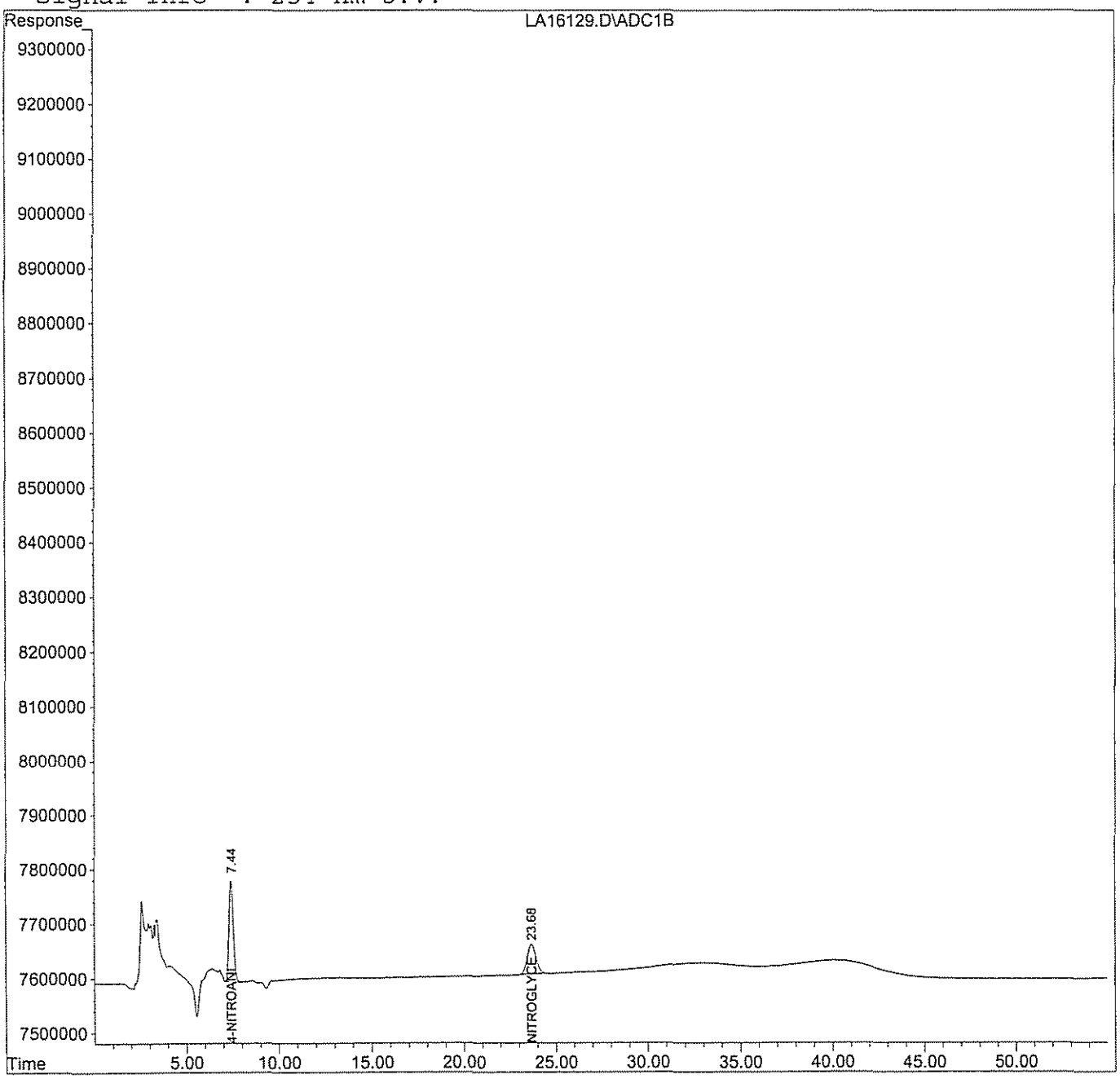
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16129.D Vial: 15
Acq On : 12 Sep 2006 10:50 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:20 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16129.D 60607NG.M Sun Sep 17 12:30:24 2006 RPT Page 2

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sun Sep 17 12:35:14 2006
Response via : Initial Calibration

Continuing Calibration File: LA16142.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	117.164	E3	4.4	100
2	M	NITROGLYCERINE	1.760	1.863	E6	-5.8	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LA16142.D 60607NG.M Sun Sep 17 12:35:17 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16142.D Vial: 28
Acq On : 12 Sep 2006 23:43 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.44	29290892	238.938 PPB
Spiked Amount 300.000		Recovery =	79.65%
Target Compounds			
2) M NITROGLYCERINE	23.66	18627758	10.583 PPM

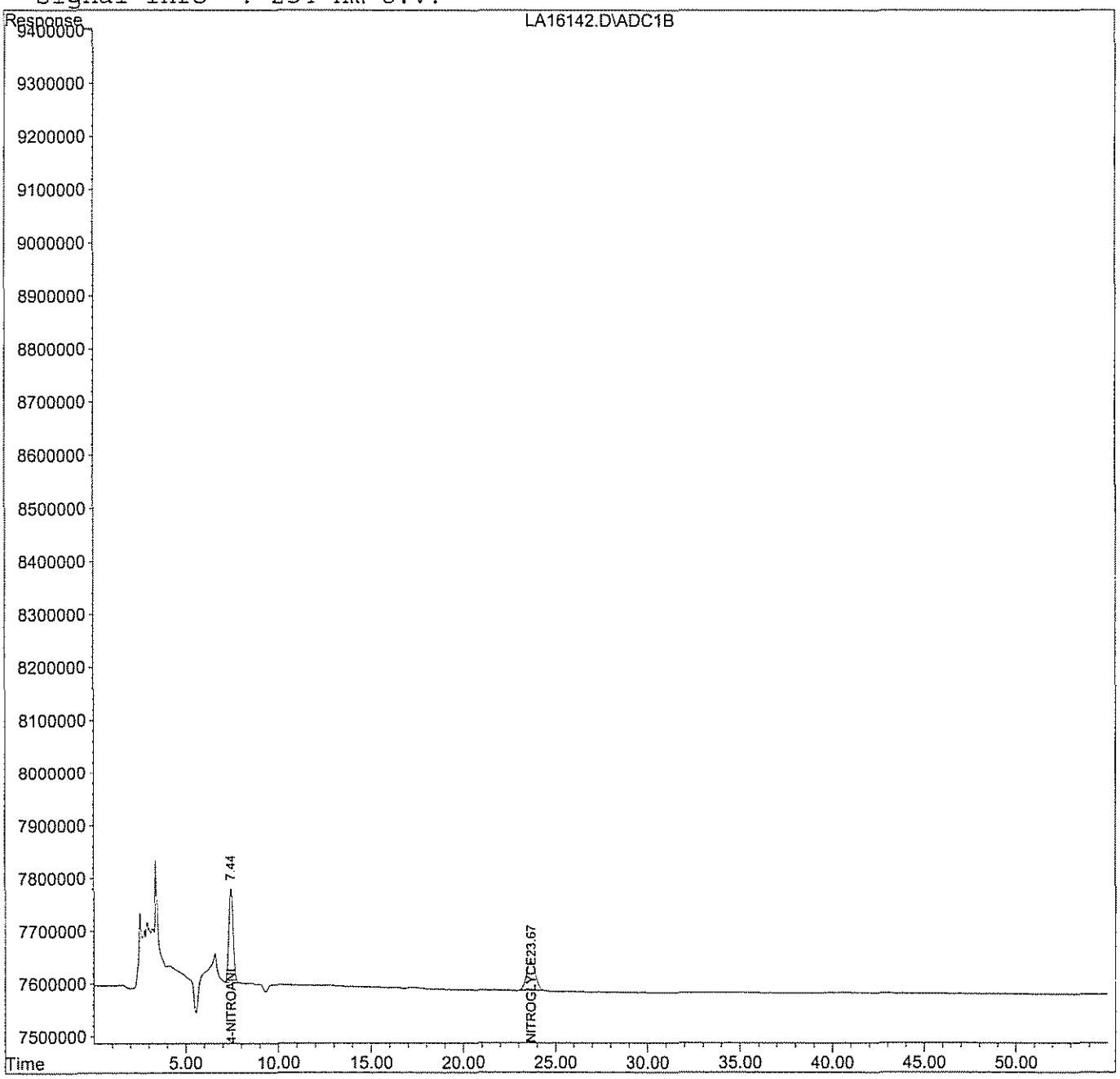
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16142.D Vial: 28
Acq On : 12 Sep 2006 23:43 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16142.D 60607NG.M Sun Sep 17 12:30:29 2006 RPT Page 2

Response Factor Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006

Calibration Files
LEV1 =LB35284.D LEV2 =LB35285.D LEV3 =LB35286.D
LEV4 =LB35287.D LEV5 =LB35288.D LEV6 =LB35289.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	LEV6	Avg		%RSD
1)	T	HMX	1.654	1.243	1.362	1.300	1.285	1.284	1.355	E5	11.18
2)	S	4-Nitroaniline	1.727	1.180	1.251	1.180	1.182	1.182	1.284	E5	17.06
3)	T	1,3,5-Trinitrobenze	4.853	3.315	3.594	3.494	3.425	3.496	3.696	E5	15.54
4)	T	Tetryl	3.475	2.452	2.612	2.536	2.521	2.569	2.694	E5	14.34
5)	T	2,4,6-Trinitrotolue	4.916	3.271	3.338	3.278	3.246	3.270	3.553	E5	18.81
6)	T	4-Amino-2,6-Dinitro	8.298	5.592	6.015	5.755	5.724	5.754	6.190	E5	16.84
7)	T	2,6-Dinitrotoluene	3.426	2.252	2.431	2.374	2.352	2.362	2.533	E5	17.43
8)	T	4-Nitrotoluene	3.205	2.189	2.339	2.263	2.265	2.240	2.417	E5	16.11
9)	M	RDX	2.356	1.560	1.651	1.586	1.574	1.584	1.718	E5	18.27
10)	M	1,3-Dinitrobenzene	6.939	4.698	5.040	4.912	4.875	4.863	5.221	E5	16.25
11)	M	Nitrobenzene	4.940	3.234	3.385	3.279	3.254	3.204	3.549	E5	19.27
12)	M	2-Amino-4,6-Dinitro	8.114	5.592	6.015	5.755	5.724	5.754	6.159	E5	15.71
13)	M	2,4-Dinitrotoluene	6.578	4.372	4.769	4.614	4.576	4.595	4.917	E5	16.74
14)	M	2-Nitrotoluene	2.997	2.022	2.152	2.091	2.078	2.046	2.231	E5	16.93
15)	M	3-Nitrotoluene	2.550	1.790	1.890	1.826	1.818	1.791	1.944	E5	15.38

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35283.D Vial: 1
Acq On : 30 Jul 2006 13:19 Operator: AG
Sample : BLK Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:40 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units

System Monitoring Compounds

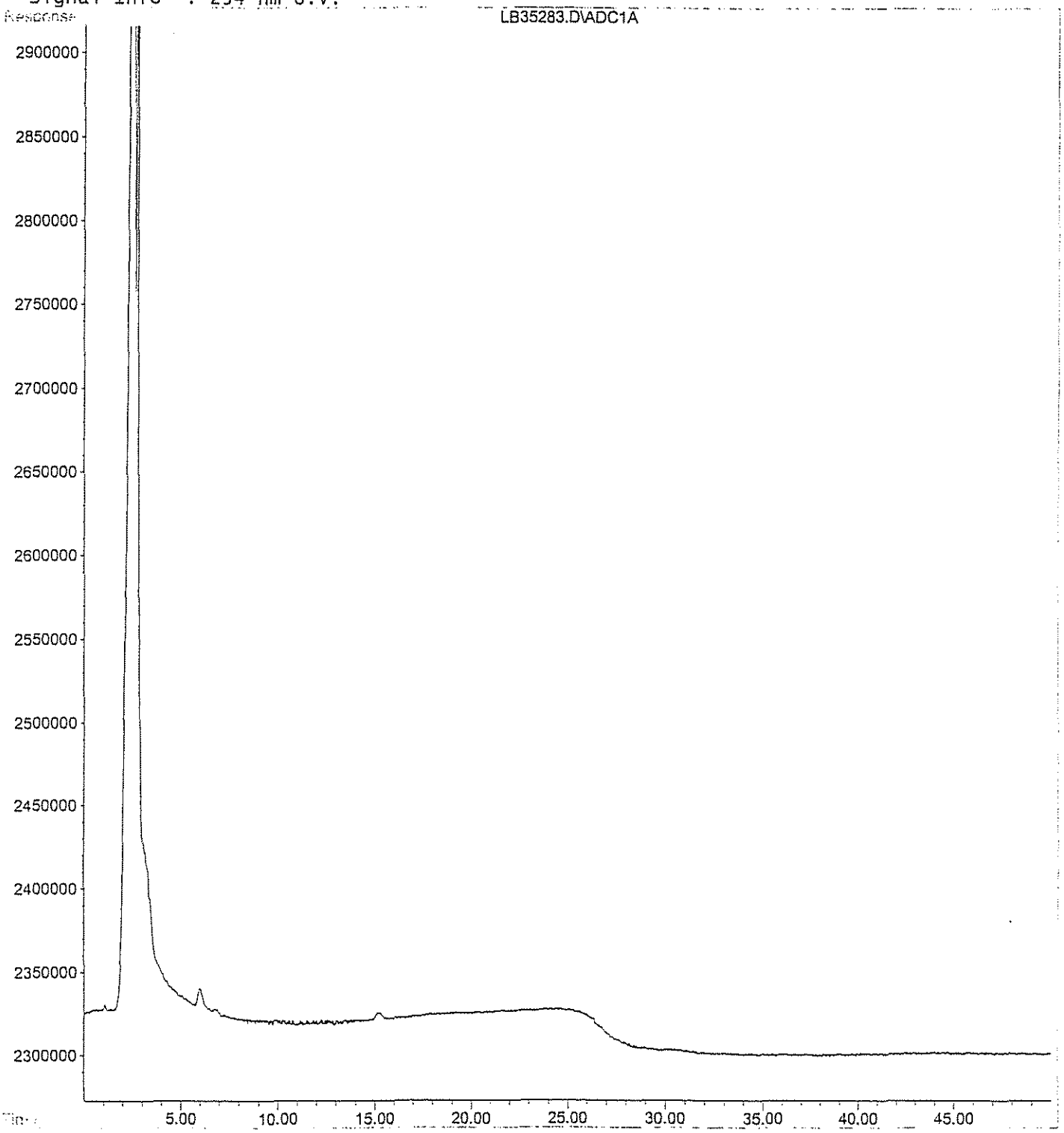
Target Compounds

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35283.D Vial: 1
Acq On : 30 Jul 2006 13:19 Operator: AG
Sample : BLK Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:40 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35284.D Vial: 2
Acq On : 30 Jul 2006 14:10 Operator: AG
Sample : 8330MIX-LEV-1 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:38 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

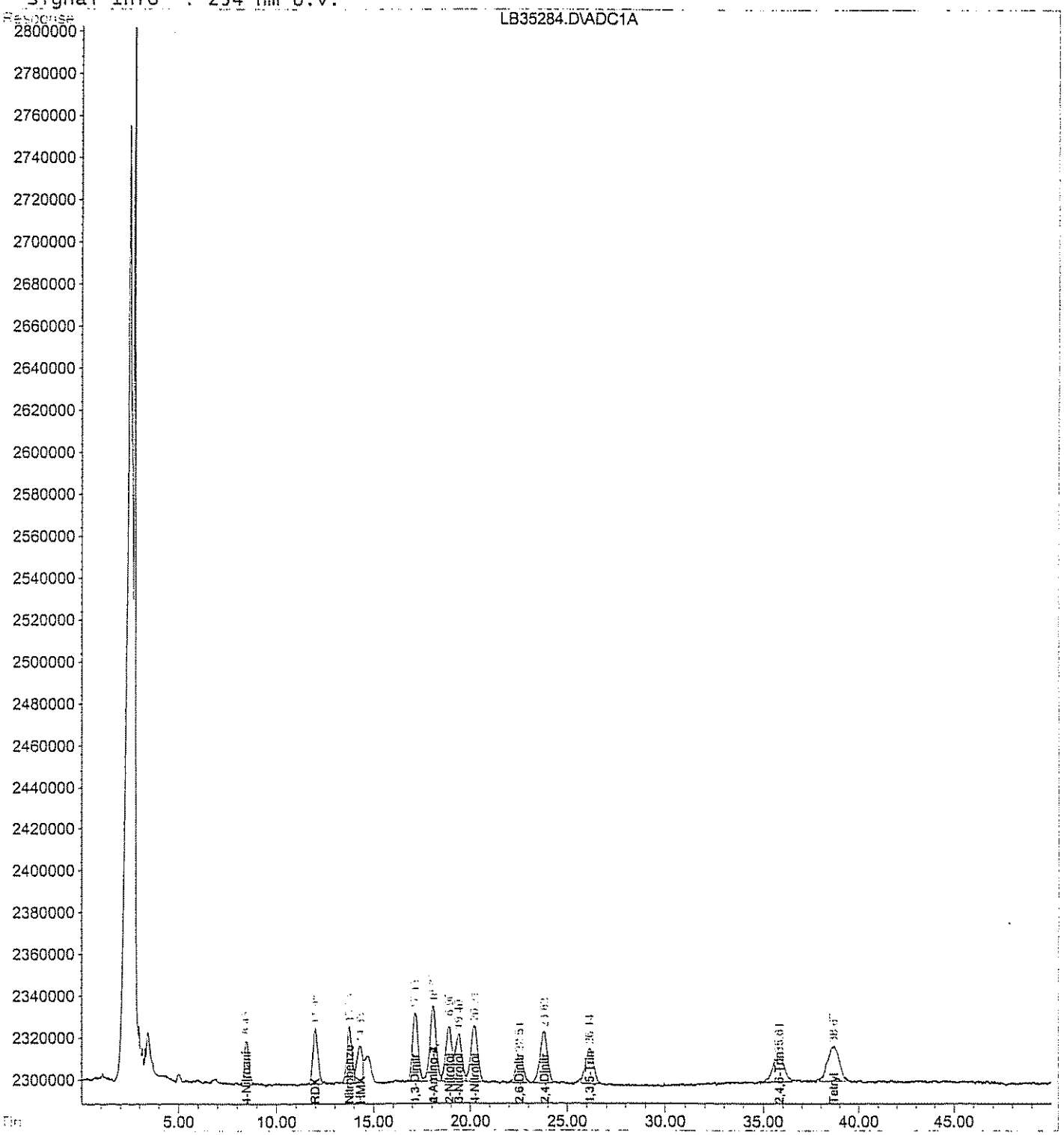
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.45	3454727	27.307 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 9.10%#			
Target Compounds			
1) T HMX	14.33	3307845	23.843 ng/mlm
3) T 1,3,5-Trinitrobenzene	26.14	4853393	13.172 ng/mlm
4) T Tetryl	38.67	6949695	26.354 ng/mlm
5) T 2,4,6-Trinitrotoluene	35.81	4915696	13.995 ng/mlm
6) T 4-Amino-2,6-Dinitrotoluene	18.05	8298388	13.765 ng/ml
7) T 2,6-Dinitrotoluene	22.51	3425577	13.862 ng/mlm
8) T 4-Nitrotoluene	20.21	6410909	26.676 ng/mlm
9) M RDX	11.98	4712249	27.776 ng/mlm
10) M 1,3-Dinitrobenzene	17.13	6938890	13.511 ng/mlm
11) M Nitrobenzene	13.74	4939626	14.070 ng/mlm
12) M 2-Amino-4,6-Dinitrotoluene	18.07	8114487	13.396 ng/mlm
13) M 2,4-Dinitrotoluene	23.83	6577952	13.508 ng/mlm
14) M 2-Nitrotoluene	18.90	5993355	27.648 ng/mlm
15) M 3-Nitrotoluene	19.40	5099698	26.355 ng/mlm

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35284.D Vial: 2
Acq On : 30 Jul 2006 14:10 Operator: AG
Sample : 8330MIX-LEV-1 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:38 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35285.D Vial: 3
Acq On : 30 Jul 2006 15:02 Operator: AG
Sample : 8330MIX-LEV-2 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:27 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

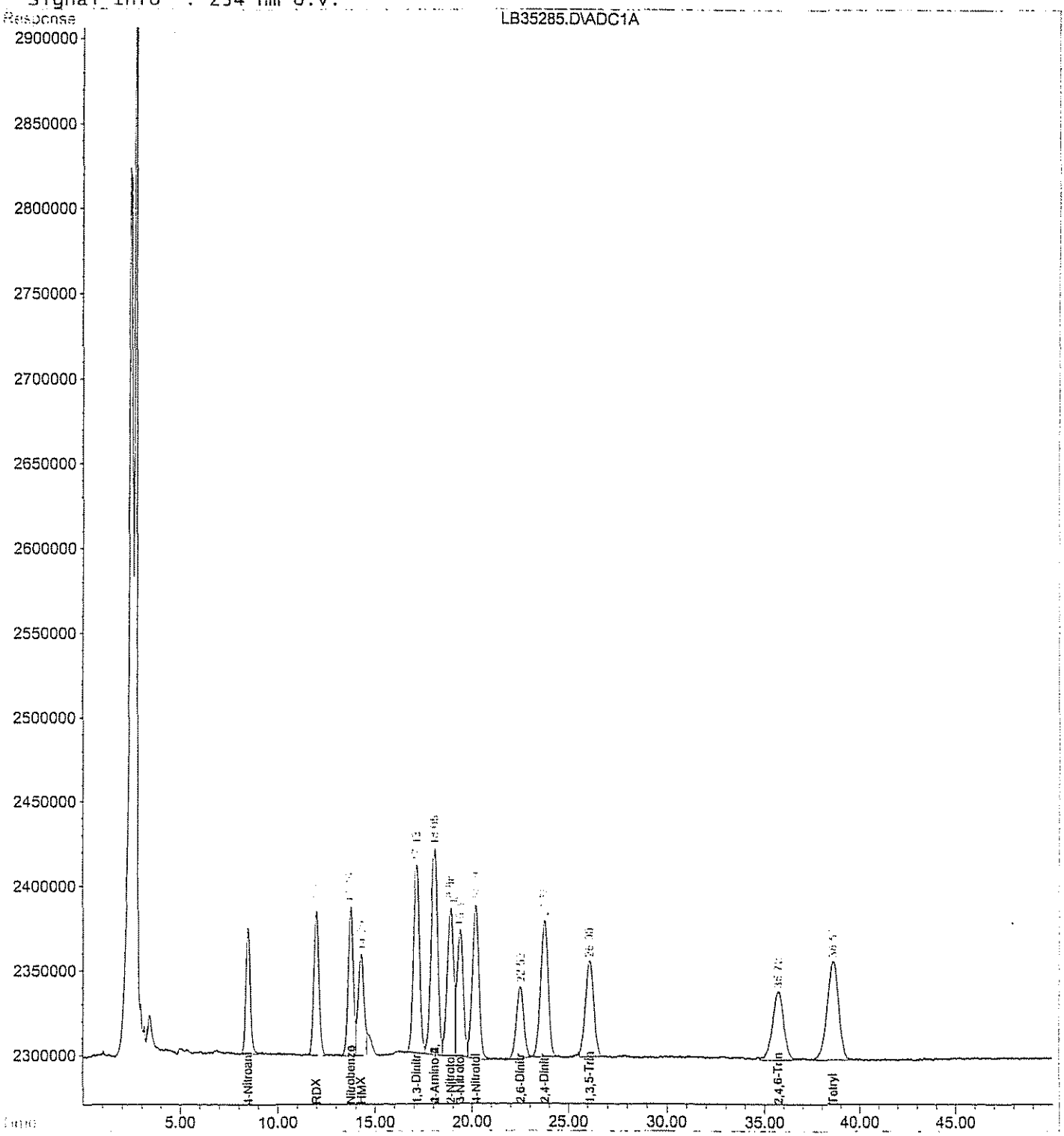
		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.47	11799916	91.910 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 30.64%#					
Target Compounds					
1)	T	HMX	14.29	12432584	89.542 ng/mlm
3)	T	1,3,5-Trinitrobenzene	26.08	16572927	44.604 ng/mlm
4)	T	Tetryl	38.58	24515322	90.999 ng/ml
5)	T	2,4,6-Trinitrotoluene	35.72	16355774	45.637 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.06	27960329	45.172 ng/ml
7)	T	2,6-Dinitrotoluene	22.51	11258600	43.738 ng/ml
8)	T	4-Nitrotoluene	20.20	21888318	89.914 ng/ml
9)	M	RDX	11.99	15601060	90.792 ng/ml
10)	M	1,3-Dinitrobenzene	17.14	23491622	44.992 ng/ml
11)	M	Nitrobenzene	13.75	16168454	45.555 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.06	27960329	45.220 ng/ml
13)	M	2,4-Dinitrotoluene	23.76	21859781	44.455 ng/ml
14)	M	2-Nitrotoluene	18.88	20224465	90.417 ng/mlm
15)	M	3-Nitrotoluene	19.37	17899578	91.558 ng/mlm

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35285.D Vial: 3
Acq On : 30 Jul 2006 15:02 Operator: AG
Sample : 8330MIX-LEV-2 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:27 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35286.D Vial: 4
Acq On : 30 Jul 2006 15:53 Operator: AG
Sample : 8330MIX-LEV-3 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:21 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

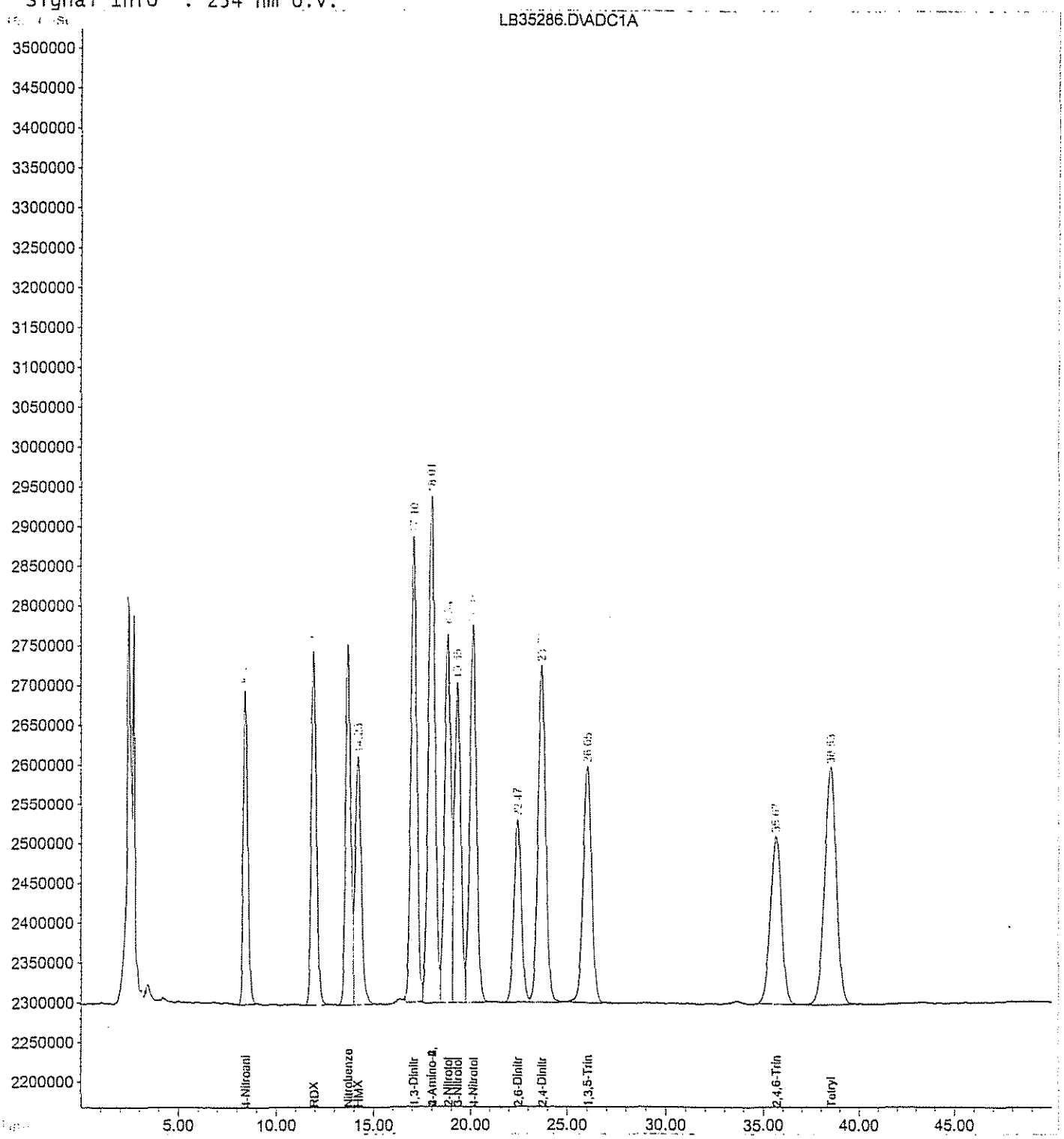
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.45	62552821	494.441 ng/ml
Spiked Amount 300.000 Range 49 - 133		Recovery = 164.81%#	
Target Compounds			
1) T HMX	14.23	68089560	490.785 ng/ml
3) T 1,3,5-Trinitrobenzene	26.05	89837811	243.824 ng/ml
4) T Tetryl	38.54	130614354	495.313 ng/ml
5) T 2,4,6-Trinitrotoluene	35.67	83443047	237.568 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	18.01	150387104	249.449 ng/ml
7) T 2,6-Dinitrotoluene	22.47	60765960	245.903 ng/ml
8) T 4-Nitrotoluene	20.16	116950669	486.643 ng/ml
9) M RDX	11.96	82530133	486.472 ng/ml
10) M 1,3-Dinitrobenzene	17.10	126009570	244.956 ng/mlm
11) M Nitrobenzene	13.72	84613781	241.020 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	18.01	150387104	248.263 ng/ml
13) M 2,4-Dinitrotoluene	23.72	119235636	244.850 ng/ml
14) M 2-Nitrotoluene	18.85	107580159	495.713 ng/ml
15) M 3-Nitrotoluene	19.35	94501707	488.385 ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35286.D Vial: 4
Acq On : 30 Jul 2006 15:53 Operator: AG
Sample : 8330MIX-LEV-3 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:21 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35287.D Vial: 5
Acq On : 30 Jul 2006 16:44 Operator: AG
Sample : 8330MIX-LEV-4 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:28 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

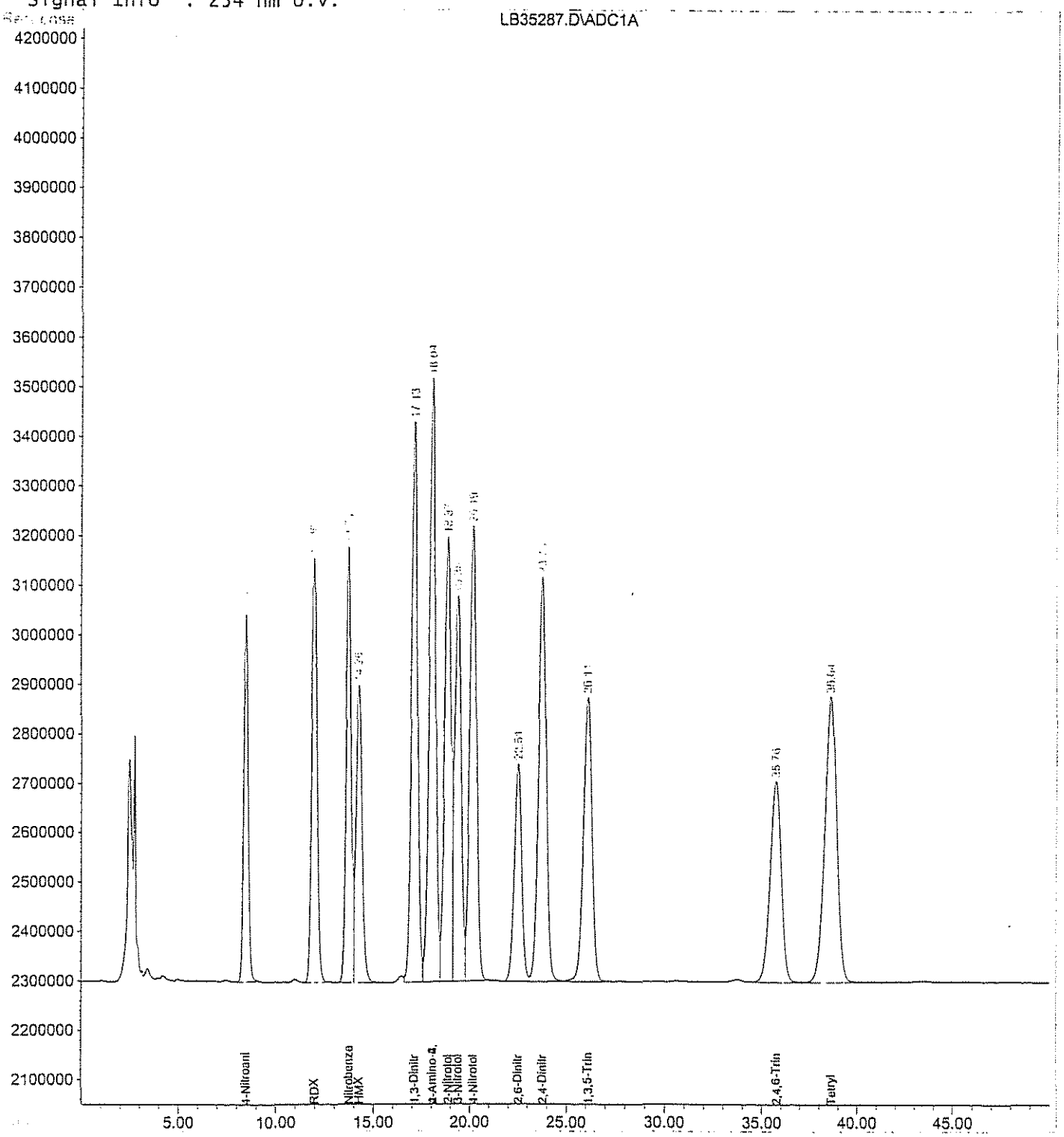
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.46	118040936	919.422	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 306.47%#						
Target Compounds						
1)	T	HMX	14.26	130008173	959.648	ng/ml
3)	T	1,3,5-Trinitrobenzene	26.11	174706964	472.021	ng/ml
4)	T	Tetryl	38.64	253552684	941.172	ng/ml
5)	T	2,4,6-Trinitrotoluene	35.76	163897939	457.319	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.04	287732854	464.856	ng/ml
7)	T	2,6-Dinitrotoluene	22.51	118677420	461.048	ng/ml
8)	T	4-Nitrotoluene	20.19	226336684	929.755	ng/ml
9)	M	RDX	11.98	158552464	922.713	ng/ml
10)	M	1,3-Dinitrobenzene	17.13	245591383	470.365	ng/ml
11)	M	Nitrobenzene	13.74	163967242	461.982	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.04	287732854	465.349	ng/ml
13)	M	2,4-Dinitrotoluene	23.77	230708320	469.178	ng/ml
14)	M	2-Nitrotoluene	18.87	209093811	932.145	ng/ml
15)	M	3-Nitrotoluene	19.38	182580640	931.722	ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35287.D Vial: 5
Acq On : 30 Jul 2006 16:44 Operator: AG
Sample : 8330MIX-LEV-4 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:28 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Camp Adair/Adair AFS - Appendix F

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35288.D Vial: 6
Acq On : 30 Jul 2006 17:36 Operator: AG
Sample : 8330MIX-LEV-5 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.46	236464759	1841.826 ng/ml
Spiked Amount 300.000 Range 49 - 133		Recovery = 613.94%#	
Target Compounds			
1) T HMX	14.27	257011212	1897.114 ng/ml
3) T 1,3,5-Trinitrobenzene	26.12	342451940	925.232 ng/mlm
4) T Tetryl	38.65	504227483	1871.662 ng/ml
5) T 2,4,6-Trinitrotoluene	35.76	324601986	905.727 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	18.05	572421908	924.794 ng/ml
7) T 2,6-Dinitrotoluene	22.52	235179401	913.645 ng/ml
8) T 4-Nitrotoluene	20.20	453005628	1860.874 ng/ml
9) M RDX	11.98	314754062	1831.746 ng/ml
10) M 1,3-Dinitrobenzene	17.13	487501998	933.680 ng/ml
11) M Nitrobenzene	13.74	325412666	916.859 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	18.05	572421908	925.775 ng/ml
13) M 2,4-Dinitrotoluene	23.77	457563923	930.522 ng/ml
14) M 2-Nitrotoluene	18.88	415503151	1852.322 ng/ml
15) M 3-Nitrotoluene	19.39	363586106	1855.406 ng/ml

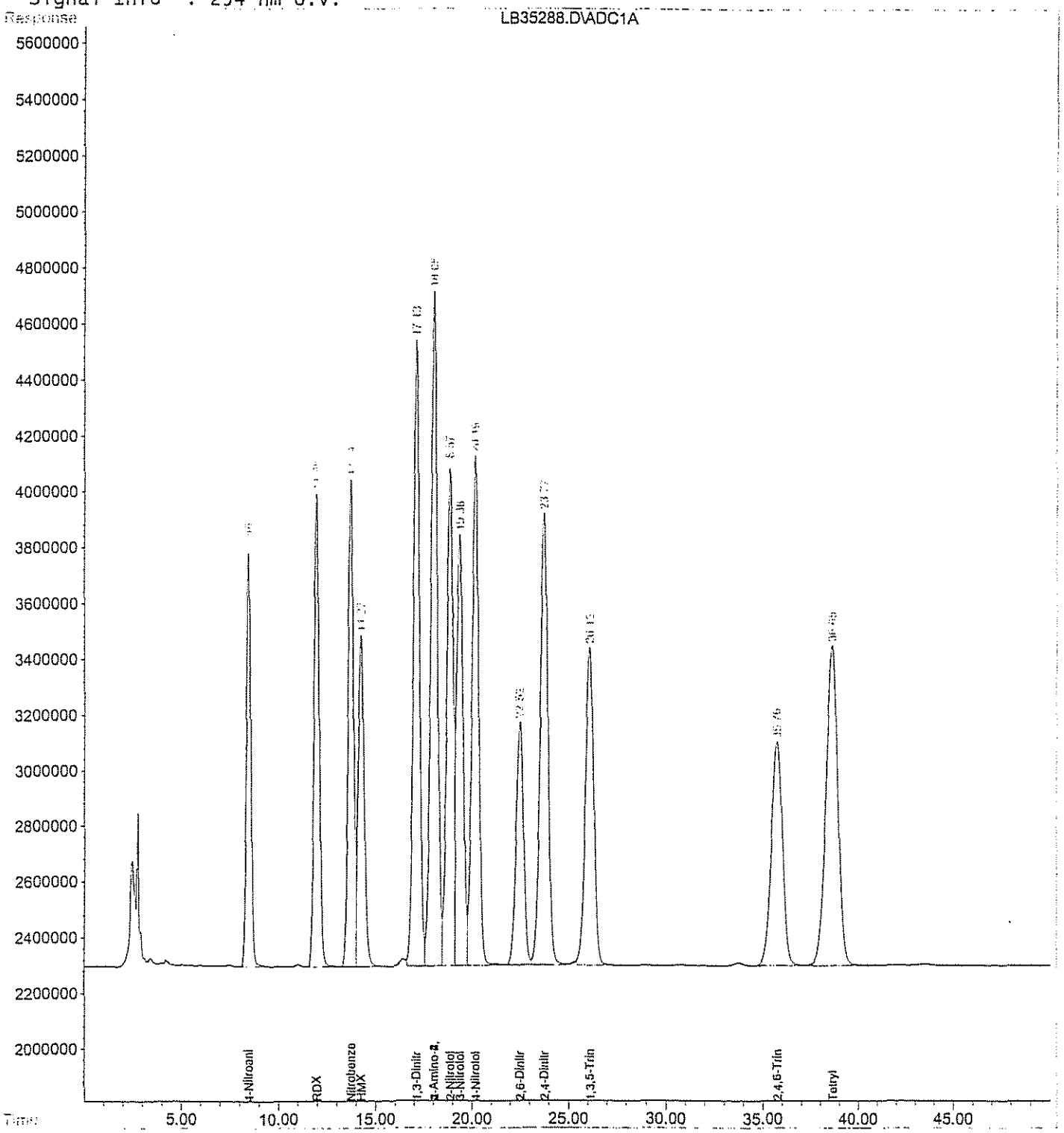
Camp Adair/Adair AFS - Appendix F 200-1e
F10OR002908_01.09_0504_a 195

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35288.D Vial: 6
Acq On : 30 Jul 2006 17:36 Operator: AG
Sample : 8330MIX-LEV-5 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35289.D Vial: 7
Acq On : 30 Jul 2006 18:27 Operator: AG
Sample : 8330MIX-LEV-6 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

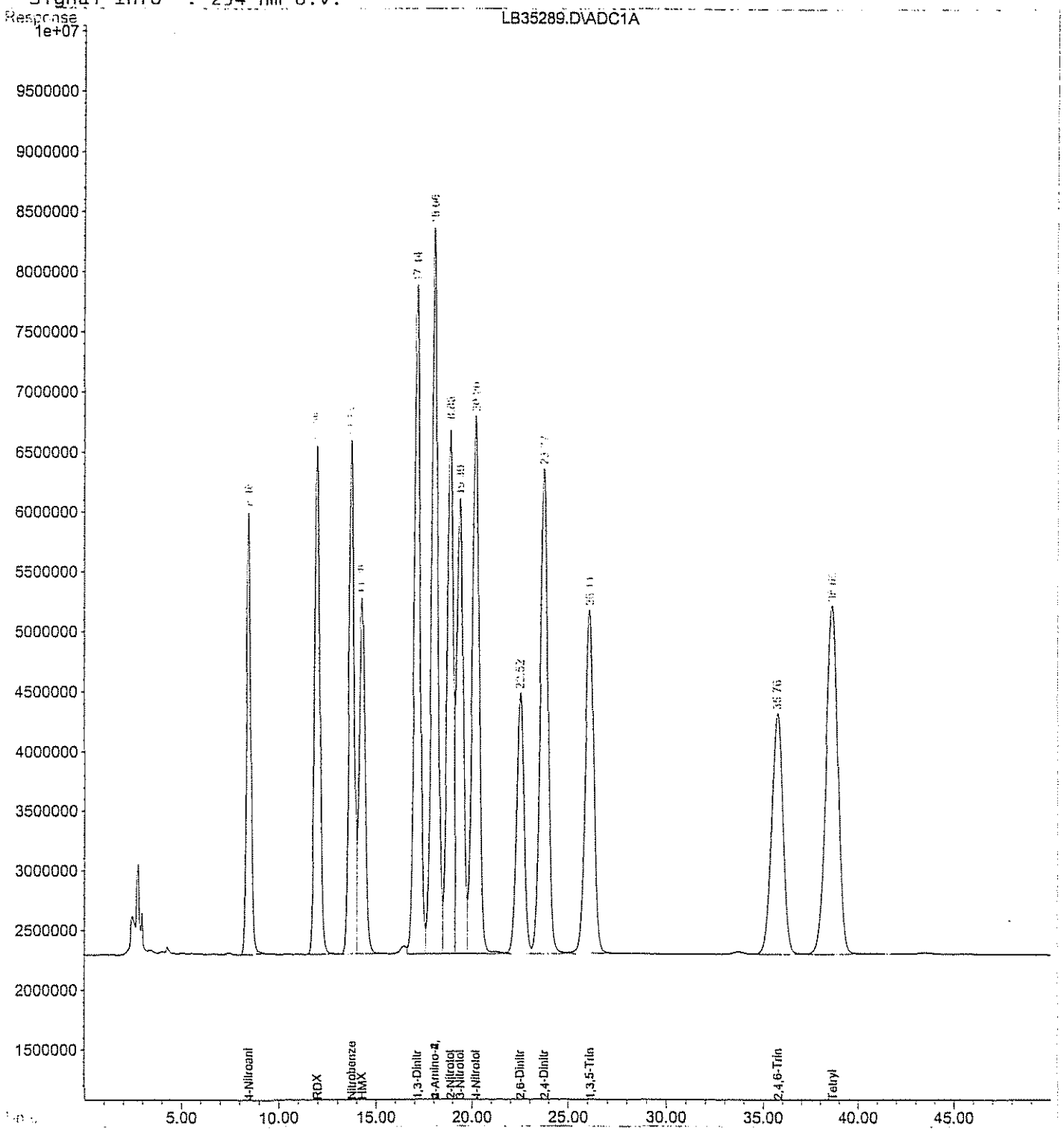
	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
2) S	4-Nitroaniline	8.46	591009759	4603.379 ng/ml
Spiked Amount	300.000	Range 49 - 133	Recovery	= 1534.46%#
	Target Compounds			
1) T	HMX	14.28	642189371	4740.286 ng/ml
3) T	1,3,5-Trinitrobenzene	26.12	873929200	2364.541 ng/ml
4) T	Tetryl	38.65	1284360520	4767.470 ng/ml
5) T	2,4,6-Trinitrotoluene	35.76	817493130	2281.025 ng/ml
6) T	4-Amino-2,6-Dinitrotoluene	18.06	1438379084	2323.819 ng/ml
7) T	2,6-Dinitrotoluene	22.52	590480324	2293.948 ng/ml
8) T	4-Nitrotoluene	20.20	1119909780	4600.410 ng/ml
9) M	RDX	11.99	791920711	4608.669 ng/ml
10) M	1,3-Dinitrobenzene	17.14	1215830726	2328.600 ng/ml
11) M	Nitrobenzene	13.75	800984917	2256.796 ng/ml
12) M	2-Amino-4,6-Dinitrotoluene	18.06	1438379084	2326.283 ng/ml
13) M	2,4-Dinitrotoluene	23.78	1148642284	2335.928 ng/ml
14) M	2-Nitrotoluene	18.88	1022987410	4560.499 ng/ml
15) M	3-Nitrotoluene	19.39	895671542	4570.675 ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35289.D Vial: 7
Acq On : 30 Jul 2006 18:27 Operator: AG
Sample : 8330MIX-LEV-6 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Continuing Calibration Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Sep 18 12:52:54 2006
Response via : Initial Calibration

Continuing Calibration File: LB35290.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	135.475	177.357	E3	-30.9#	130
2	S	4-Nitroaniline	128.386	110.334	E3	14.1	88
3	T	1,3,5-Trinitrobenzene	369.598	465.956	E3	-26.1#	130
4	T	Tetryl	269.401	343.832	E3	-27.6#	132
5	T	2,4,6-Trinitrotoluene	355.309	436.396	E3	-22.8#	131
6	T	4-Amino-2,6-Dinitrotoluene	618.972	676.471	E3	-9.3	112
7	T	2,6-Dinitrotoluene	253.253	319.165	E3	-26.0#	131
8	T	4-Nitrotoluene	241.692	255.343	E3	-5.6	109
9	M	RDX	171.833	213.806	E3	-24.4#	130
10	M	1,3-Dinitrobenzene	522.129	659.128	E3	-26.2#	131
11	M	Nitrobenzene	354.921	408.802	E3	-15.2#	121
12	M	2-Amino-4,6-Dinitrotoluene	615.907	676.471	E3	-9.8	112
13	M	2,4-Dinitrotoluene	491.728	619.312	E3	-25.9#	130
14	M	2-Nitrotoluene	223.086	233.090	E3	-4.5	108
15	M	3-Nitrotoluene	194.415	215.679	E3	-10.9	114

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB35290.D 073006C.M Mon Sep 18 12:53:00 2006 1 Page 1

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35290.D Vial: 8
Acq On : 30 Jul 2006 19:18 Operator: AG
Sample : 8330MIX-ICV Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:41 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

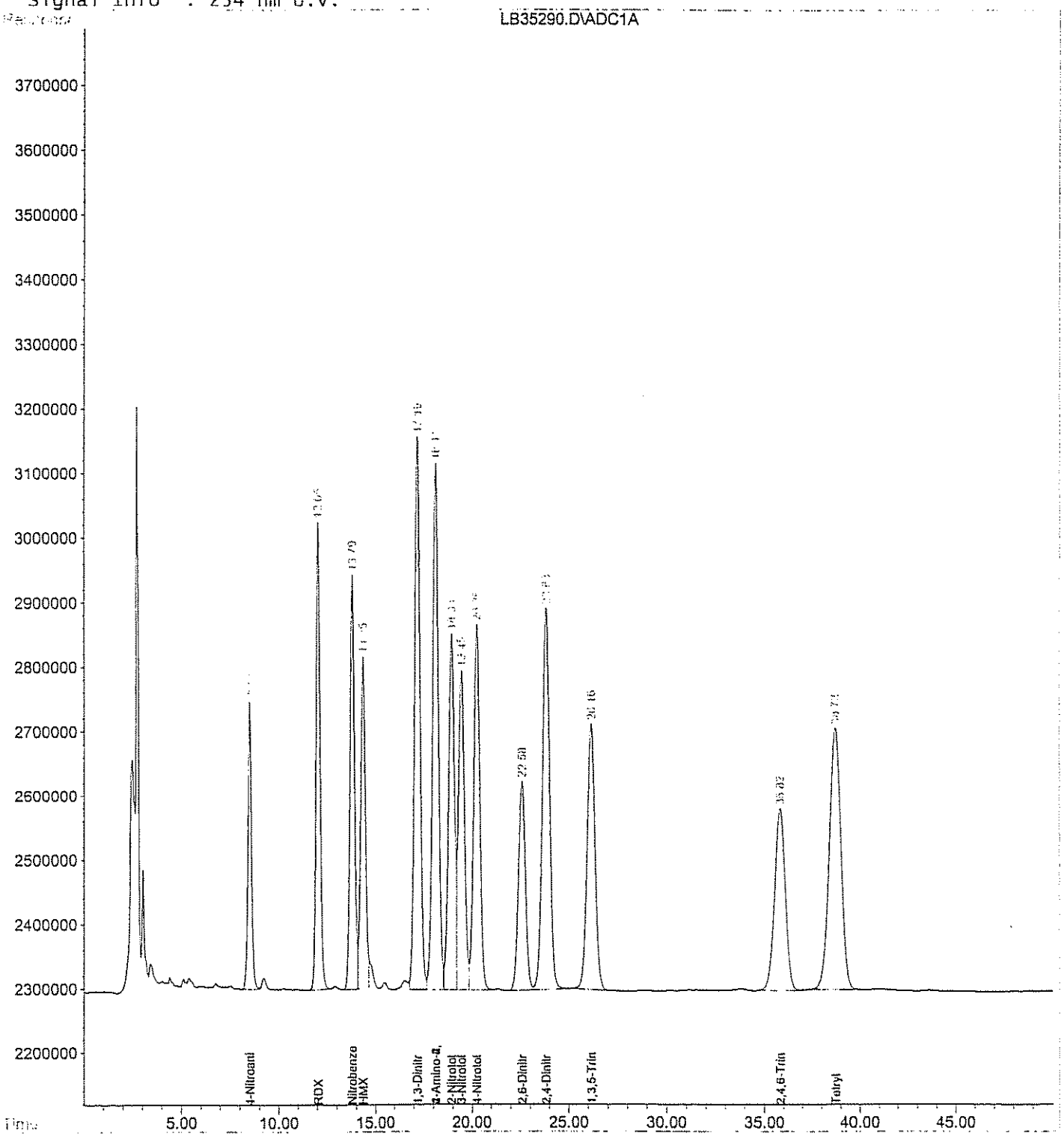
		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.51	55167160	429.697 ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 143.23%#
Target Compounds					
1)	T	HMX	14.35	88678477	654.575 ng/mlm
3)	T	1,3,5-Trinitrobenzene	26.16	116488959	315.178 ng/ml
4)	T	Tetryl	38.74	171916155	638.143 ng/ml
5)	T	2,4,6-Trinitrotoluene	35.83	109098948	307.054 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.12	169117855	273.224 ng/ml
7)	T	2,6-Dinitrotoluene	22.58	79791307	315.065 ng/ml
8)	T	4-Nitrotoluene	20.25	127671564	528.241 ng/ml
9)	M	RDX	12.05	106902924	622.133 ng/ml
10)	M	1,3-Dinitrobenzene	17.19	164781903	315.596 ng/mlm
11)	M	Nitrobenzene	13.80	102200435	287.952 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.12	169117855	274.583 ng/ml
13)	M	2,4-Dinitrotoluene	23.83	154828045	314.865 ng/ml
14)	M	2-Nitrotoluene	18.94	116545076	522.422 ng/ml
15)	M	3-Nitrotoluene	19.45	107839325	554.685 ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35290.D Vial: 8
Acq On : 30 Jul 2006 19:18 Operator: AG
Sample : 8330MIX-ICV Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:41 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Camp Adair/Adair AFS - Appendix F

8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT TYPE: LCB
COLUMN: POLAR ANALYST SS
DATE: 07/31/06-08/02/06 DATE 09/12/06

COMPOUND	LCB3521 Retent Time 1	LCB35319 Retent Time 2	LCB35330 Retent Time 3	AVG	Stand Dev	3X Stnd Dev
4-Nitroaniline(St	8.640	8.560	8.560	8.587	0.046	0.139
HMX	14.770	14.580	14.600	14.650	0.104	0.313
1,3,5-Trinitrober	26.940	26.690	26.740	26.790	0.132	0.397
Tetryl	40.160	39.810	39.940	39.970	0.177	0.531
2,4,6-Trinitrotol	37.020	36.710	36.810	36.847	0.158	0.475
4-ADNT	18.660	18.480	18.500	18.547	0.099	0.296
2,6-Dinitrotoluer	23.230	23.020	23.060	23.103	0.112	0.335
4-Nitrotoluene	20.750	20.590	20.610	20.650	0.087	0.262
RDX	12.320	12.190	12.200	12.237	0.072	0.217
1,3-Dinitrobenzer	17.610	17.450	17.470	17.510	0.087	0.262
Nitrobenzene	14.050	13.940	13.940	13.977	0.064	0.191
2-ADNT	18.660	18.480	18.500	18.547	0.099	0.296
2,4-Dinitrotoluer	24.520	24.310	24.360	24.397	0.110	0.329
2-Nitrotoluene	19.390	19.230	19.250	19.290	0.087	0.262
3-Nitrotoluene	19.910	19.230	19.770	19.637	0.359	1.077

Retention windows equal to retention times extracted from daily calibration +/- three times of the Standard Deviation.

Continuing Calibration Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Sep 17 10:00:16 2006
Response via : Initial Calibration

Continuing Calibration File: LB36159.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	135.475	127.515	E3	5.9	94
2	S	4-Nitroaniline	128.386	115.398	E3	10.1	92
3	T	1,3,5-Trinitrobenzene	369.598	348.758	E3	5.6	97
4	T	Tetryl	269.401	288.510	E3	-7.1	110
5	T	2,4,6-Trinitrotoluene	355.309	337.829	E3	4.9	101
6	T	4-Amino-2,6-Dinitrotoluene	618.972	545.522	E3	11.9	91
7	T	2,6-Dinitrotoluene	253.253	235.560	E3	7.0	97
8	T	4-Nitrotoluene	241.692	227.743	E3	5.8	97
9	M	RDX	171.833	156.696	E3	8.8	95
10	M	1,3-Dinitrobenzene	522.129	469.677	E3	10.0	93
11	M	Nitrobenzene	354.921	319.530	E3	10.0	94
12	M	2-Amino-4,6-Dinitrotoluene	615.907	545.522	E3	11.4	91
13	M	2,4-Dinitrotoluene	491.728	463.931	E3	5.7	97
14	M	2-Nitrotoluene	223.086	206.607	E3	7.4	96
15	M	3-Nitrotoluene	194.415	184.163	E3	5.3	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36159.D 073006C.M Sun Sep 17 10:00:18 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36159.D Vial: 13
Acq On : 14 Sep 2006 22:28 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 6:59 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.79	57698813	449.416	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 149.81%#						
Target Compounds						
1)	T	HMX	15.34	63757527	470.623	ng/ml
3)	T	1,3,5-Trinitrobenzene	27.79	87189424	235.904	ng/ml
4)	T	Tetryl	41.82	144254839	535.465	ng/ml
5)	T	2,4,6-Trinitrotoluene	38.40	84457372	237.701	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.15	136380497	220.334	ng/ml
7)	T	2,6-Dinitrotoluene	23.81	58890125	232.534	ng/ml
8)	T	4-Nitrotoluene	21.12	113871351	471.143	ng/ml
9)	M	RDX	12.62	78348209	455.956	ng/ml
10)	M	1,3-Dinitrobenzene	18.01	117419168	224.885	ng/ml
11)	M	Nitrobenzene	14.29	79882441	225.071	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.15	136380497	221.430	ng/ml
13)	M	2,4-Dinitrotoluene	25.13	115982740	235.867	ng/ml
14)	M	2-Nitrotoluene	19.73	103303476	463.066	ng/ml
15)	M	3-Nitrotoluene	20.26	92081648	473.634	ng/ml

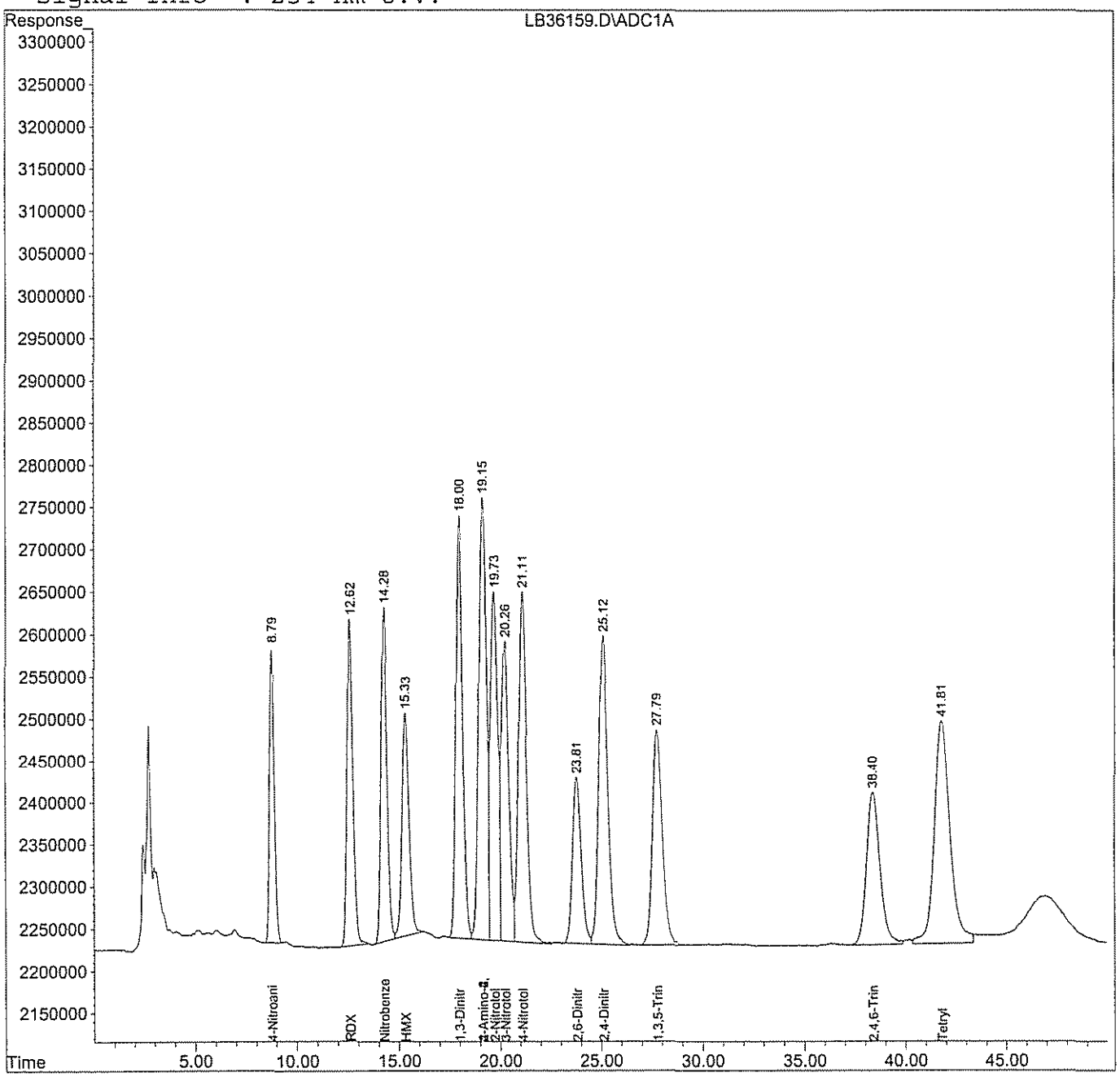
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36159.D Vial: 13
Acq On : 14 Sep 2006 22:28 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 6:59 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



LB36159.D 073006C.M Sun Sep 17 10:00:22 2006 RPT Page 2

Continuing Calibration Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Sep 17 10:00:32 2006
Response via : Initial Calibration

Continuing Calibration File: LB36170.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	135.475	133.567	E3	1.4	98
2	S	4-Nitroaniline	128.386	109.673	E3	14.6	88
3	T	1,3,5-Trinitrobenzene	369.598	354.218	E3	4.2	99
4	T	Tetryl	269.401	267.862	E3	0.6	103
5	T	2,4,6-Trinitrotoluene	355.309	331.310	E3	6.8	99
6	T	4-Amino-2,6-Dinitrotoluene	618.972	540.734	E3	12.6	90
7	T	2,6-Dinitrotoluene	253.253	259.688	E3	-2.5	107
8	T	4-Nitrotoluene	241.692	228.427	E3	5.5	98
9	M	RDX	171.833	160.186	E3	6.8	97
10	M	1,3-Dinitrobenzene	522.129	506.243	E3	3.0	100
11	M	Nitrobenzene	354.921	335.930	E3	5.4	99
12	M	2-Amino-4,6-Dinitrotoluene	615.907	540.734	E3	12.2	90
13	M	2,4-Dinitrotoluene	491.728	485.648	E3	1.2	102
14	M	2-Nitrotoluene	223.086	209.181	E3	6.2	97
15	M	3-Nitrotoluene	194.415	188.099	E3	3.2	100

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36170.D 073006C.M Sun Sep 17 10:00:35 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36170.D Vial: 24
Acq On : 15 Sep 2006 8:43 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:55 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.80	54836468	427.122 ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery	= 142.37%#
Target Compounds					
1)	T	HMX	15.35	66783406	492.958 ng/ml
3)	T	1,3,5-Trinitrobenzene	27.79	88554487	239.597 ng/ml
4)	T	Tetryl	41.75	133931032	497.144 ng/ml
5)	T	2,4,6-Trinitrotoluene	38.36	82827586	233.114 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.17	135183545	218.400 ng/ml
7)	T	2,6-Dinitrotoluene	23.81	64922101	256.352 ng/mlm
8)	T	4-Nitrotoluene	21.13	114213661	472.559 ng/ml
9)	M	RDX	12.62	80093063	466.110 ng/ml
10)	M	1,3-Dinitrobenzene	18.01	126560676	242.393 ng/mlm
11)	M	Nitrobenzene	14.28	83982409	236.623 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.17	135183545	219.487 ng/ml
13)	M	2,4-Dinitrotoluene	25.14	121412021	246.909 ng/ml
14)	M	2-Nitrotoluene	19.74	104590492	468.835 ng/ml
15)	M	3-Nitrotoluene	20.27	94049376	483.755 ng/ml

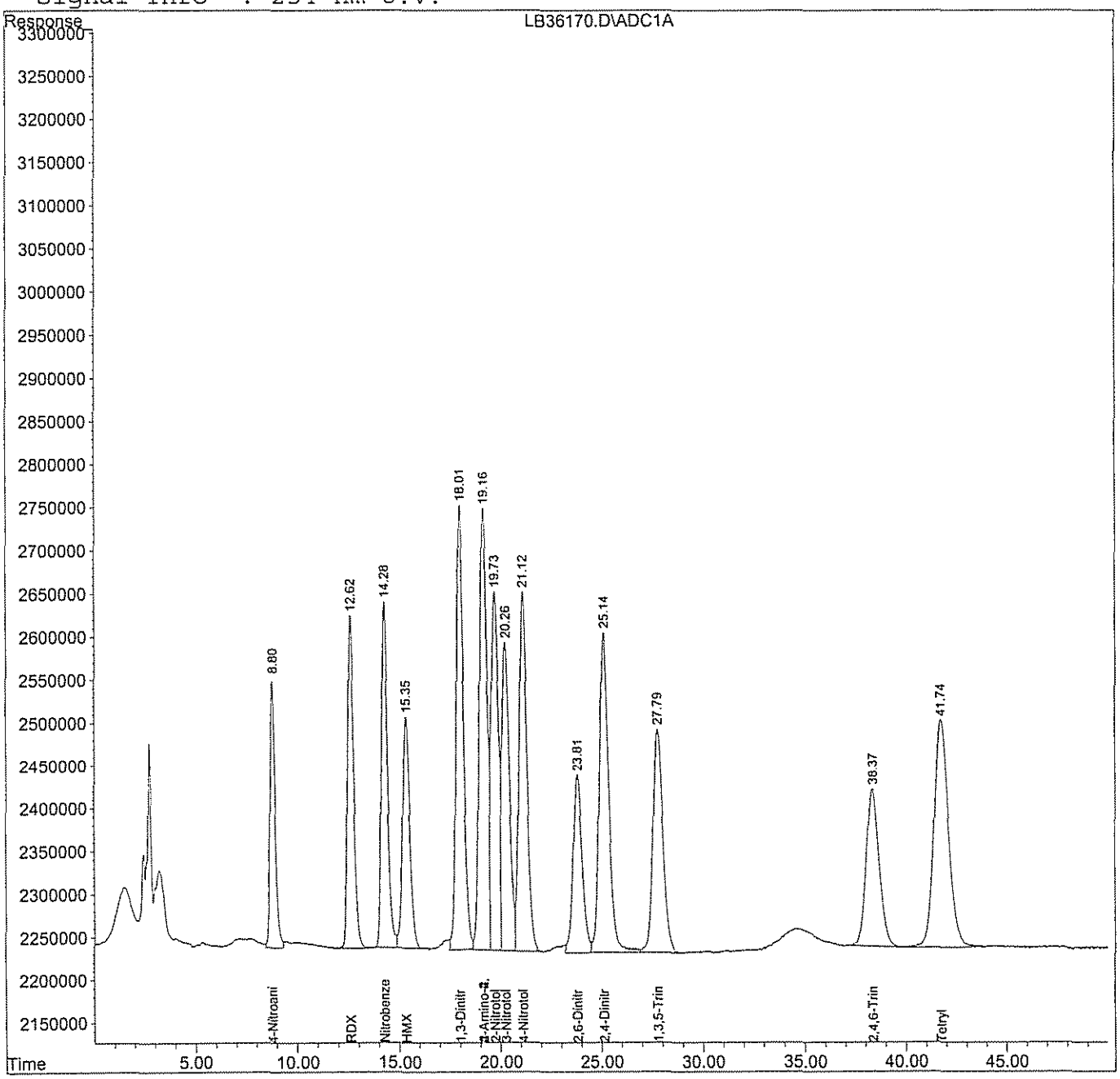
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36170.D Vial: 24
Acq On : 15 Sep 2006 8:43 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:55 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



LB36170.D 073006C.M Sun Sep 17 10:00:41 2006 RPT Page 2

Response Factor Report LCB

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Thu Aug 03 09:47:48 2006

Calibration Files
LEV1 =LB35345.D LEV2 =LB35346.D LEV3 =LB35347.D
LEV4 =LB35348.D LEV5 =LB35349.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1)	S	4-NITROANILINE	1.083	1.054	1.022	1.036	1.043	1.047 E5	2.20
2)	M	NITROGLYCERINE	1.875	1.608	1.761	1.779	1.738	1.752 E6	5.48

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35344.D Vial: 1
Acq On : 2 Aug 2006 19:03 Operator: SS
Sample : 8330NG-BLK Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	0.00	0	N.D.	PPB
Spiked Amount 300.000		Recovery =	0.00%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

(f)=RT Delta > 1/2 Window (m)=manual int.
LB35344.D 6802NGCO.M Thu Aug 03 09:49:00 2006 A

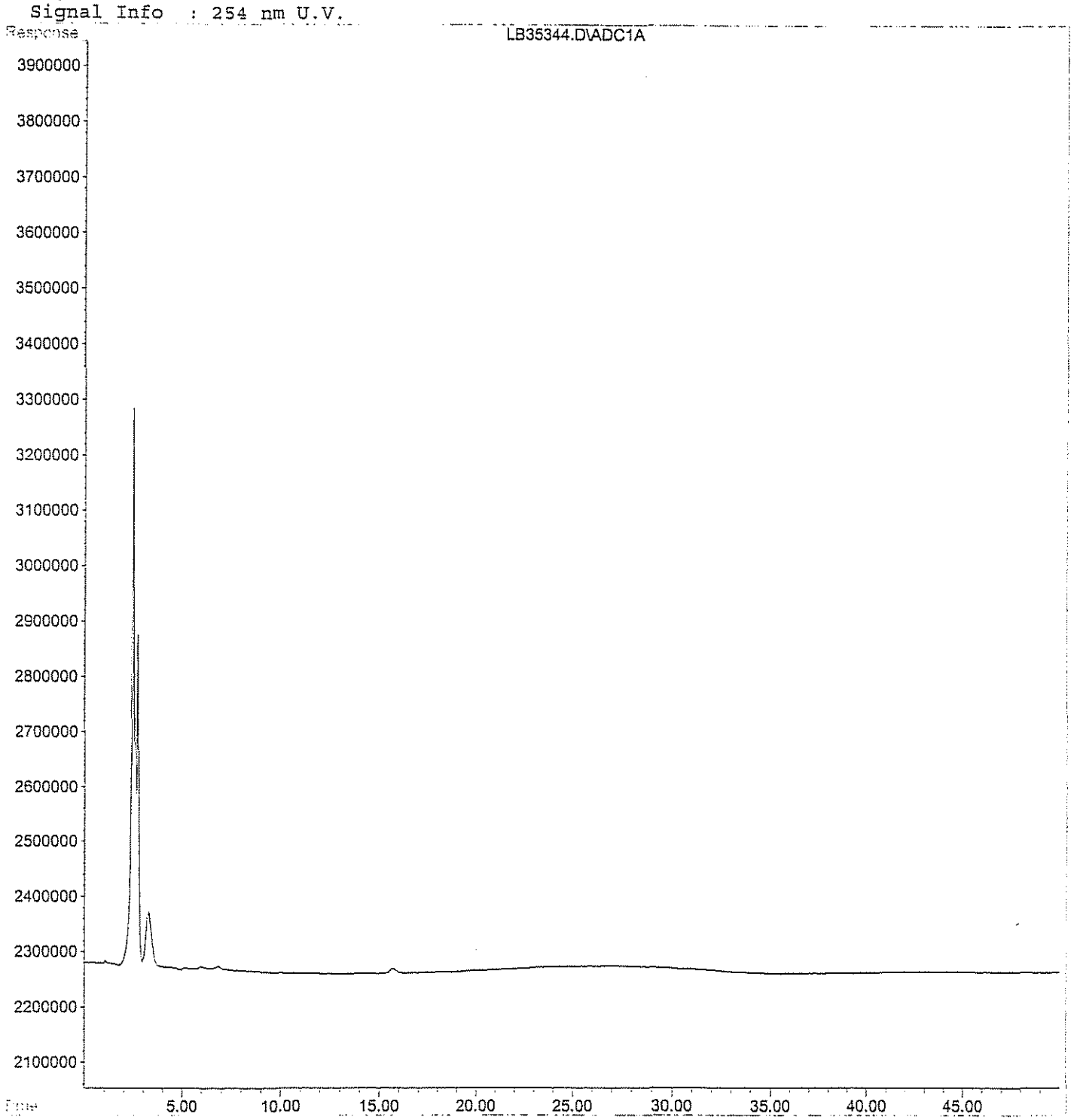
Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35344.D
Acq On : 2 Aug 2006 19:03
Sample : 8330NG-BLK
Misc : CCAL
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Vial: 1
Operator: SS
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

```
Data File : H:\LCDATA\LCB\080206\LB35345.D                Vial: 2
Acq On    :  2 Aug 2006  19:55                         Operator: SS
Sample    : 8330NG-LEV1                                Inst    : LCB
Misc      : CCAL                                       Multiplr: 1.00
IntFile   : events.e
Quant Time: Aug  3  9:44 2006  Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title        : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update  : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj.  : 100 uL
Signal Phase : Polar  RP
Signal Info  : 254 nm U.V.
```

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	8.61	2707665	25.202	PPB	m
Spiked Amount 300.000		Recovery =	8.40%		
Target Compounds					
2) M NITROGLYCERINE	27.31f	1874941	1.073	PPM	m

(f)=RT Delta > 1/2 Window (m)=manual int.

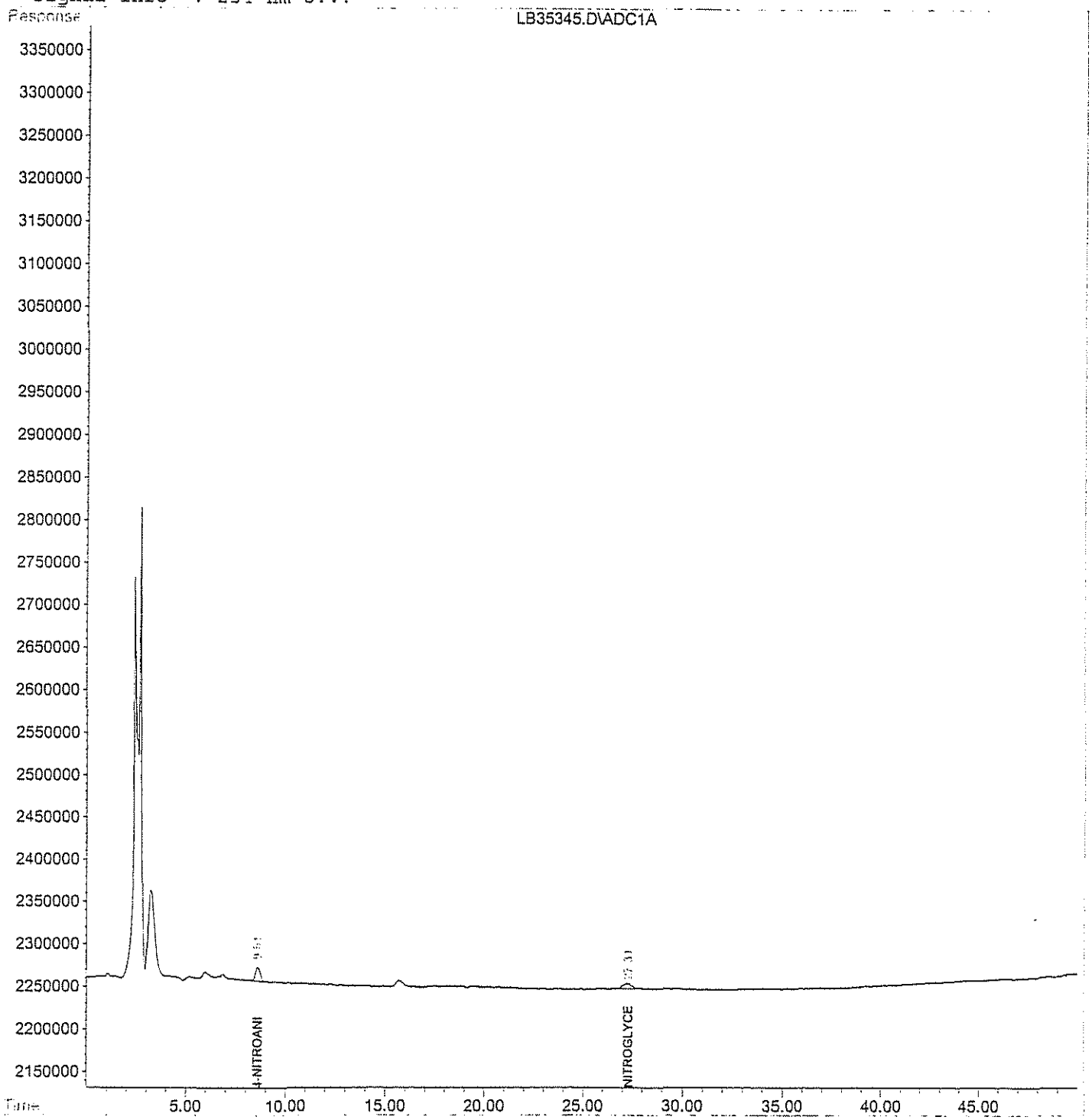
Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35345.D
Acq On : 2 Aug 2006 19:55
Sample : 8330NG-LEV1
Misc : CCAL
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Vial: 2
Operator: SS
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35346.D Vial: 3
Acq On : 2 Aug 2006 20:46 Operator: SS
Sample : 8330NG-LEV2 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.63	13171240	125.713 PPB
Spiked Amount 300.000		Recovery =	41.90%
Target Compounds			
2) M NITROGLYCERINE	27.22	8039370	4.627 PPM m

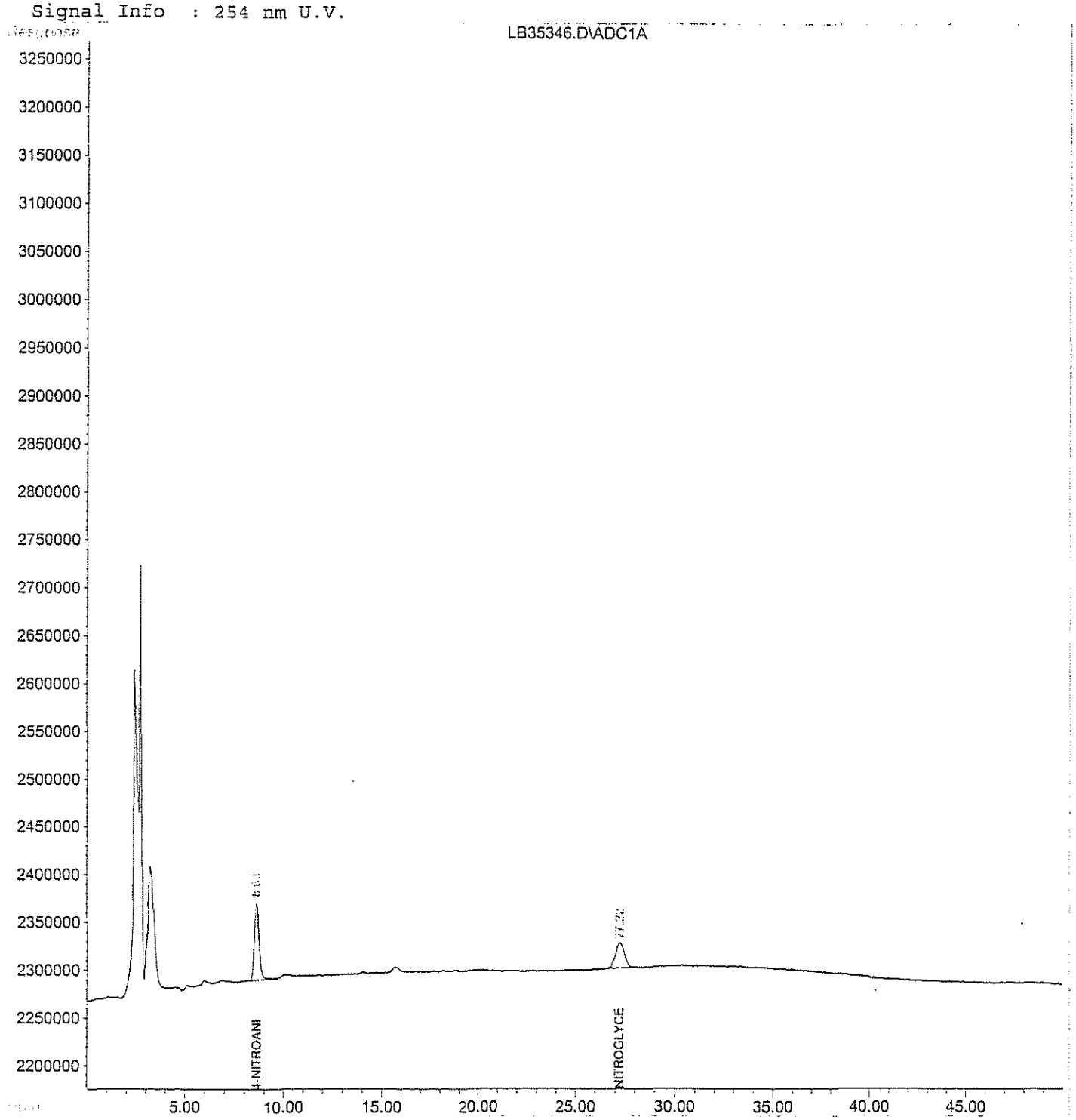
(f)=RT Delta > 1/2 Window (m)=manual int.
LB35346.D 6802NGCO.M Thu Aug 03 09:49:03 2006 A F10OR002908_01.09_0504_a 200-1e Page 1

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35346.D Vial: 3
Acq On : 2 Aug 2006 20:46 Operator: SS
Sample : 8330NG-LEV2 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35347.D Vial: 4
Acq On : 2 Aug 2006 21:37 Operator: SS
Sample : 8330NG-LEV3 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:43 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.61	25547182	237.758 PPB
Spiked Amount 300.000		Recovery =	79.25%
Target Compounds			
2) M NITROGLYCERINE	27.16	17605700	10.216 PPM

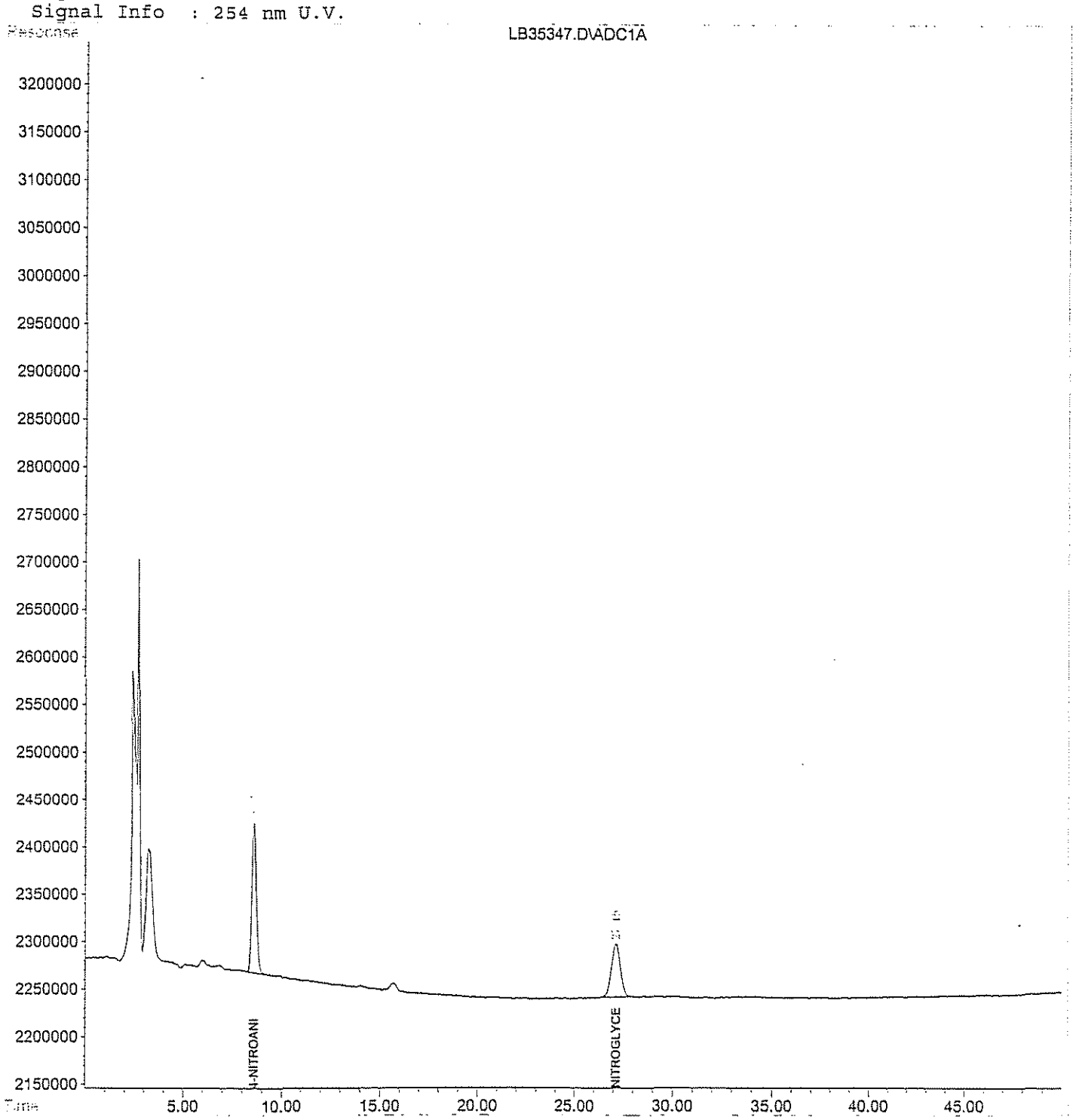
(f)=RT Delta > 1/2 Window (m)=manual int.
LB35347.D 6802NGCO.M Thu Aug 03 09:49:05 2006 A

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35347.D Vial: 4
Acq On : 2 Aug 2006 21:37 Operator: SS
Sample : 8330NG-LEV3 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:43 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35348.D Vial: 5
Acq On : 2 Aug 2006 22:28 Operator: SS
Sample : 8330NG-LEV4 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.62	51784030	497.698 PPB
Spiked Amount 300.000		Recovery =	165.90%
Target Compounds			
2) M NITROGLYCERINE	27.16	35572771	20.756 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.
LB35348.D 6802NGCO.M Thu Aug 03 09:49:06 2006 A F10OR002908_01.09_0504_a

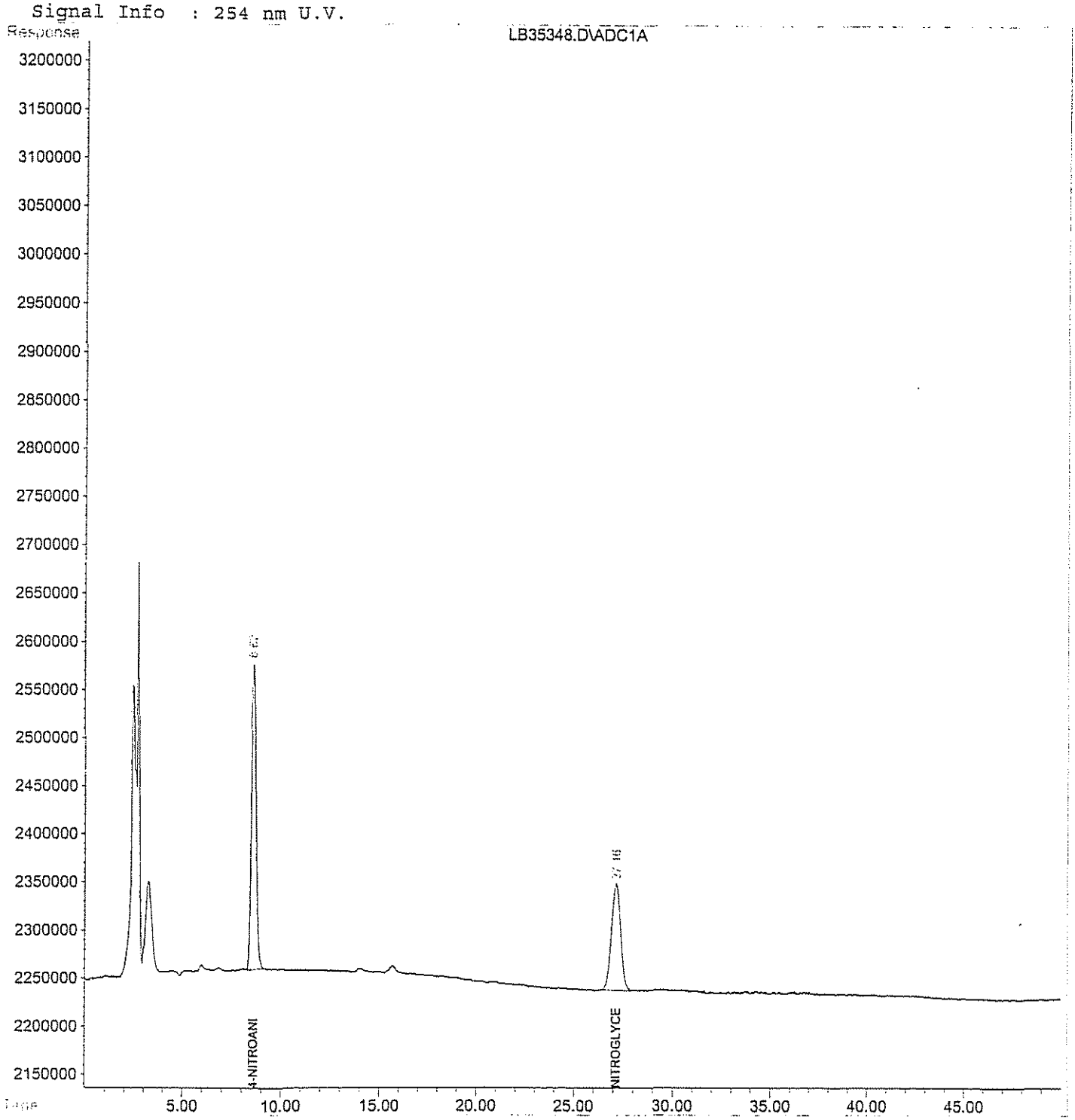
Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35348.D
Acq On : 2 Aug 2006 22:28
Sample : 8330NG-LEV4
Misc : CCAL
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Vial: 5
Operator: SS
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35349.D Vial: 6
Acq On : 2 Aug 2006 23:20 Operator: SS
Sample : 8330NG-LEV5 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	8.61	130333632	1246.482	PPB
Spiked Amount 300.000		Recovery = 415.49%		
Target Compounds				
2) M NITROGLYCERINE	27.15	86895470	49.904	PPM

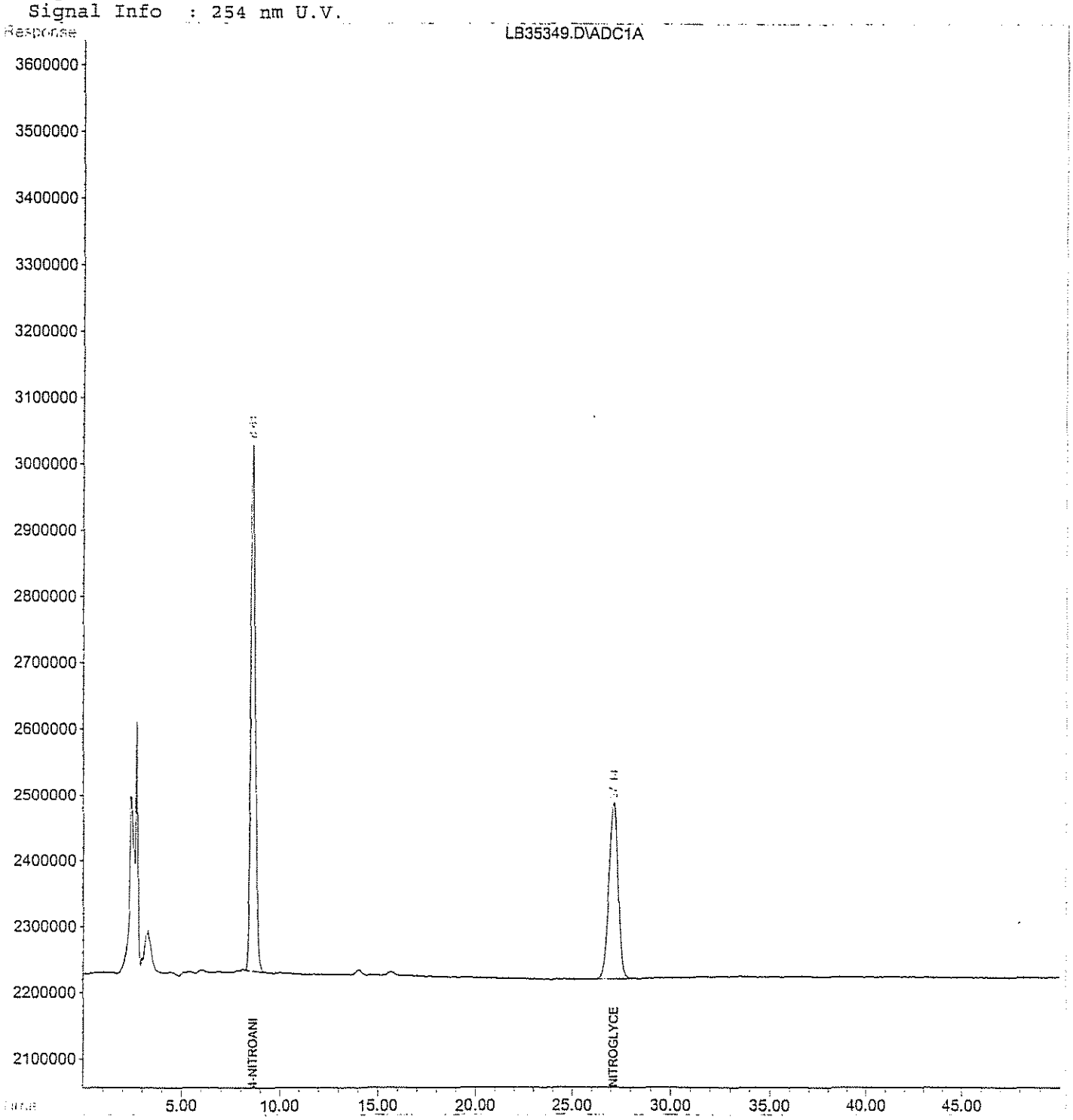
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35349.D Vial: 6
Acq On : 2 Aug 2006 23:20 Operator: SS
Sample : 8330NG-LEV5 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Evaluate Continuing Calibration Report

Data File : H:\LCDATA\LCB\080206\LB35350.D Vial: 7
Acq On : 3 Aug 2006 00:11 Operator: SS
Sample : 8330NG-ICV Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Sun Sep 17 12:51:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
2 M	NITROGLYCERINE	1.752	1.699 E6	3.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35350.D Vial: 7
Acq On : 3 Aug 2006 00:11 Operator: SS
Sample : 8330NG-ICV Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:46 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	0.00	0	N.D.	PPB
Spiked Amount 300.000		Recovery =	0.00%	
Target Compounds				
2) M NITROGLYCERINE	27.11	16987539	9.696	PPM

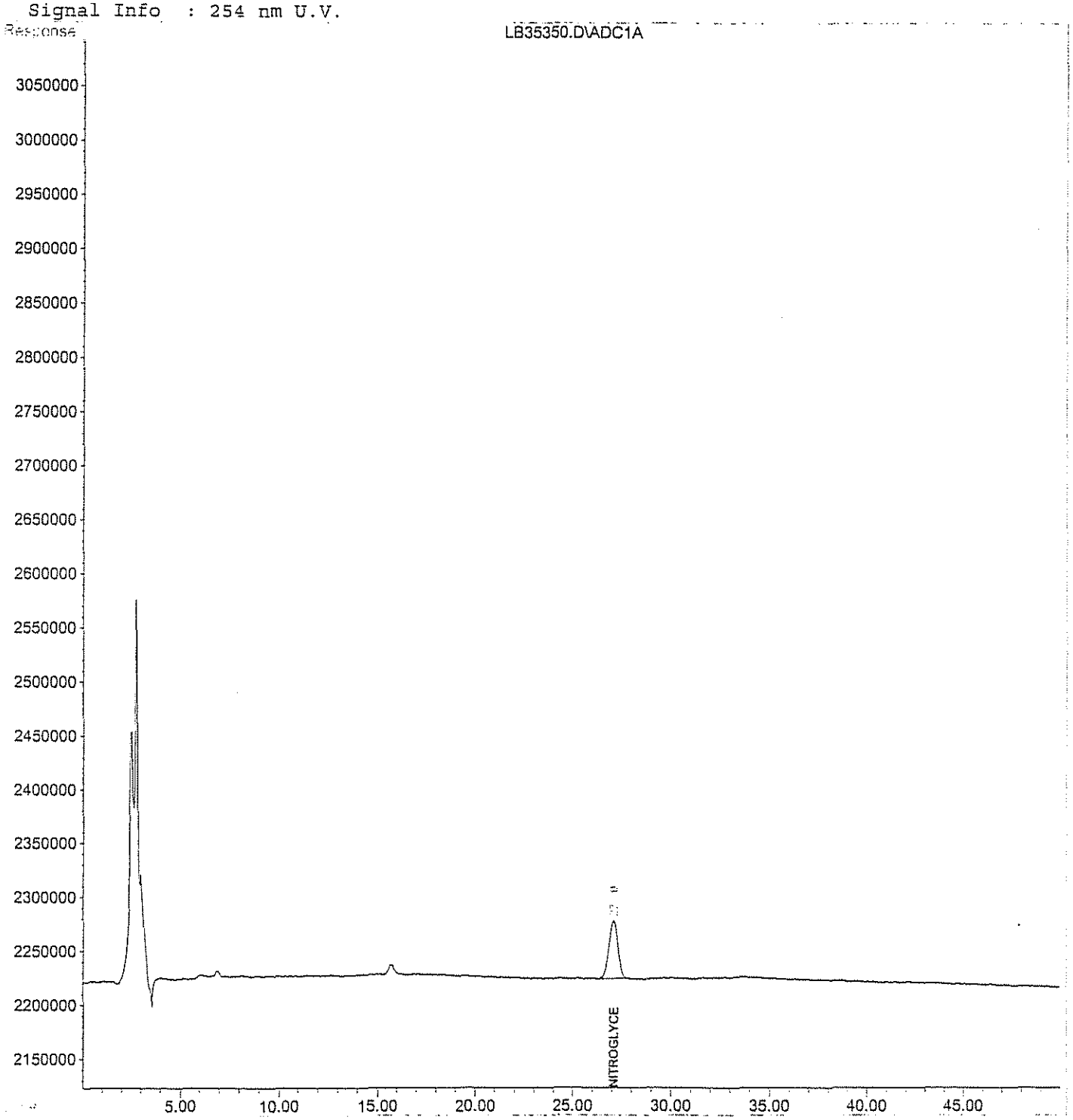
(f)=RT Delta > 1/2 Window (m)=manual int.
LB35350.D 6802NGCO.M Thu Aug 03 09:49:09 2006 A F10OR002908_01.09_0504_a Page 1

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35350.D Vial: 7
Acq On : 3 Aug 2006 00:11 Operator: SS
Sample : 8330NG-ICV Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:46 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT: LCB CB35402 LCB3541 CB35427
COLUMN: POLAR ANALYST SS
DATE: 08/07/2006-08/08/2006

COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std De	Avg PW	RT Window
4-Nitroaniline(Surr.)	8.56	7.07	8.56	0.31	8.56	0.30	8.560	0.000	2.56	1.28
Nitroglycerine	26.82	21.96	26.91	0.51	26.90	0.53	26.877	0.148	7.67	3.83

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Sun Sep 17 10:21:40 2006
Response via : Initial Calibration

Continuing Calibration File: LB36160.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	104.740	105.013	E3	-0.3	103
2	M	NITROGLYCERINE	1.752	1.737	E6	0.9	99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36160.D 6802NGCO.M Sun Sep 17 10:21:42 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\0914NG\LB36160.D Vial: 14
Acq On : 14 Sep 2006 23:19 Operator: SS
Sample : 8330NG Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:35 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.79	26253154	250.651 PPB
Spiked Amount 300.000		Recovery =	83.55%
Target Compounds			
2) M NITROGLYCERINE	28.15	17365739	9.912 PPM m

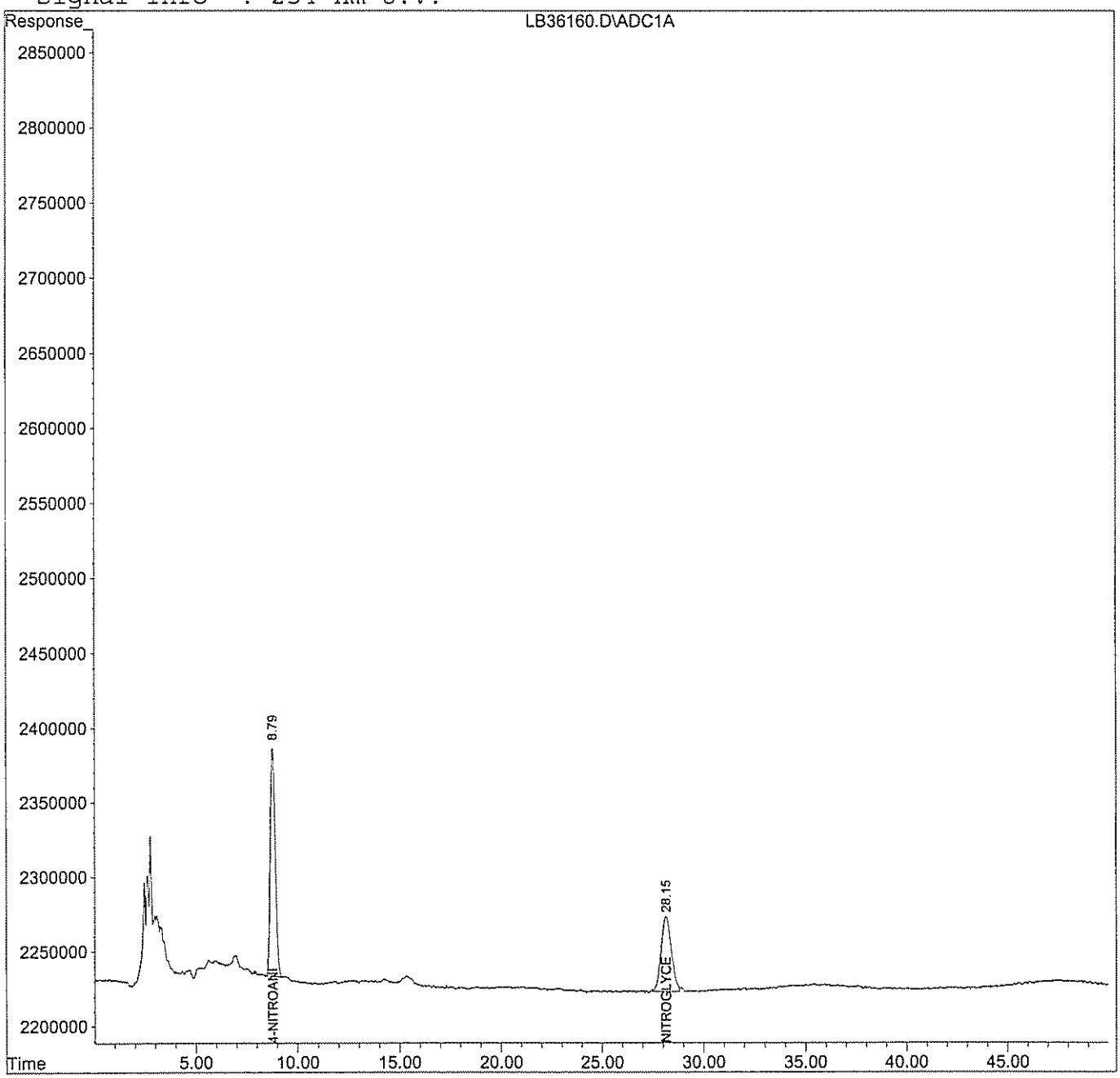
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\0914NG\LB36160.D Vial: 14
Acq On : 14 Sep 2006 23:19 Operator: SS
Sample : 8330NG Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:35 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



LB36160.D 6802NGCO.M Sun Sep 17 10:21:48 2006 RPT Page 2

Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Sun Sep 17 10:21:55 2006
Response via : Initial Calibration

Continuing Calibration File: LB36171.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	104.740	117.354	E3	-12.0	115
2	M	NITROGLYCERINE	1.752	1.858	E6	-6.0	106

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36171.D 6802NGCO.M Sun Sep 17 10:21:57 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\0914NG\LB36171.D Vial: 25
Acq On : 15 Sep 2006 14:31 Operator: SS
Sample : 8330NG Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 16:40 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.84	29338529	280.108 PPB
Spiked Amount 300.000		Recovery =	93.37%
Target Compounds			
2) M NITROGLYCERINE	28.31f	18577344	10.604 PPM

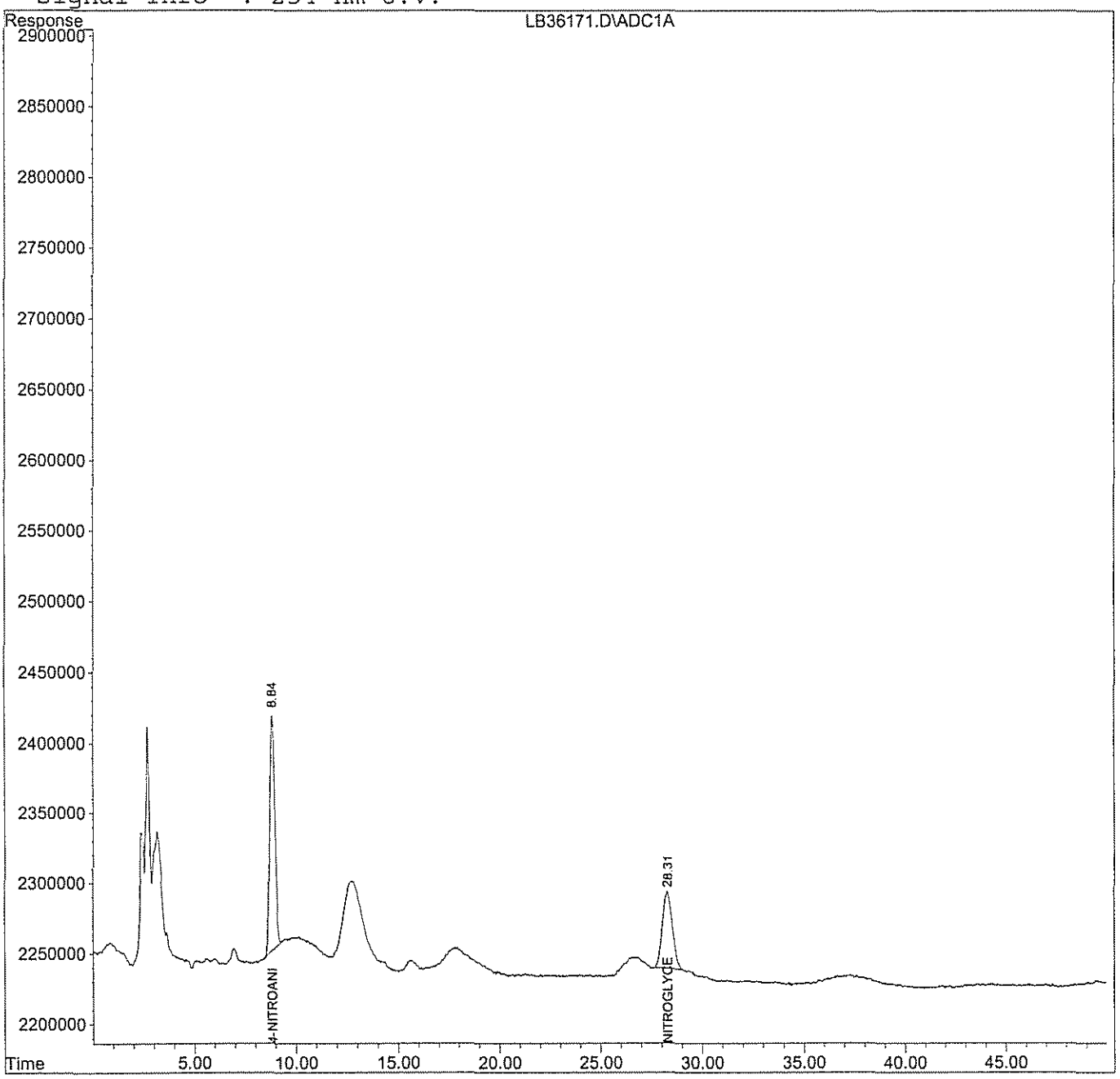
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\0914NG\LB36171.D Vial: 25
Acq On : 15 Sep 2006 14:31 Operator: SS
Sample : 8330NG Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 16:40 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



LB36171.D 6802NGCO.M Sun Sep 17 10:22:00 2006 RPT Page 2

D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK83534

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK83534
Sample Volume :	10	Lab File ID :	LA16117.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/11/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

FORM I SW8330A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK83547

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK83547
Sample Volume :	10	Lab File ID :	LA16117.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/11/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16117.D Vial: 3
Acq On : 11 Sep 2006 22:55 Operator: AG
Sample : BLK83534 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:30 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.42	21646151	165.507 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 110.34%			
Target Compounds			

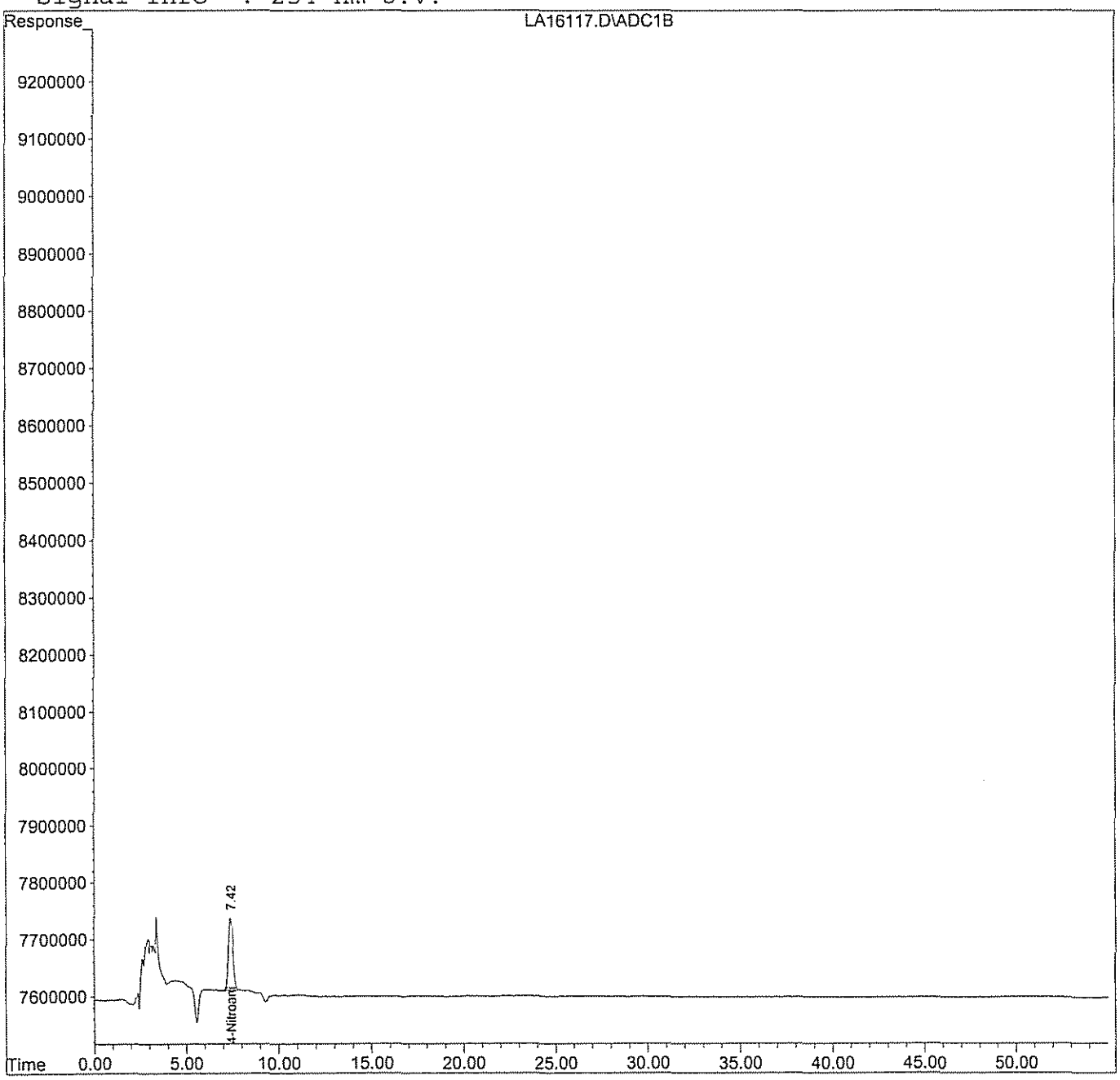
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16117.D Vial: 3
Acq On : 11 Sep 2006 22:55 Operator: AG
Sample : BLK83534 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:30 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16117.D Vial: 3
Acq On : 11 Sep 2006 22:55 Operator: AG
Sample : BLK83547 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:07 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.42	21811057	177.922	PPB	m
Spiked Amount 300.000		Recovery =	59.31%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

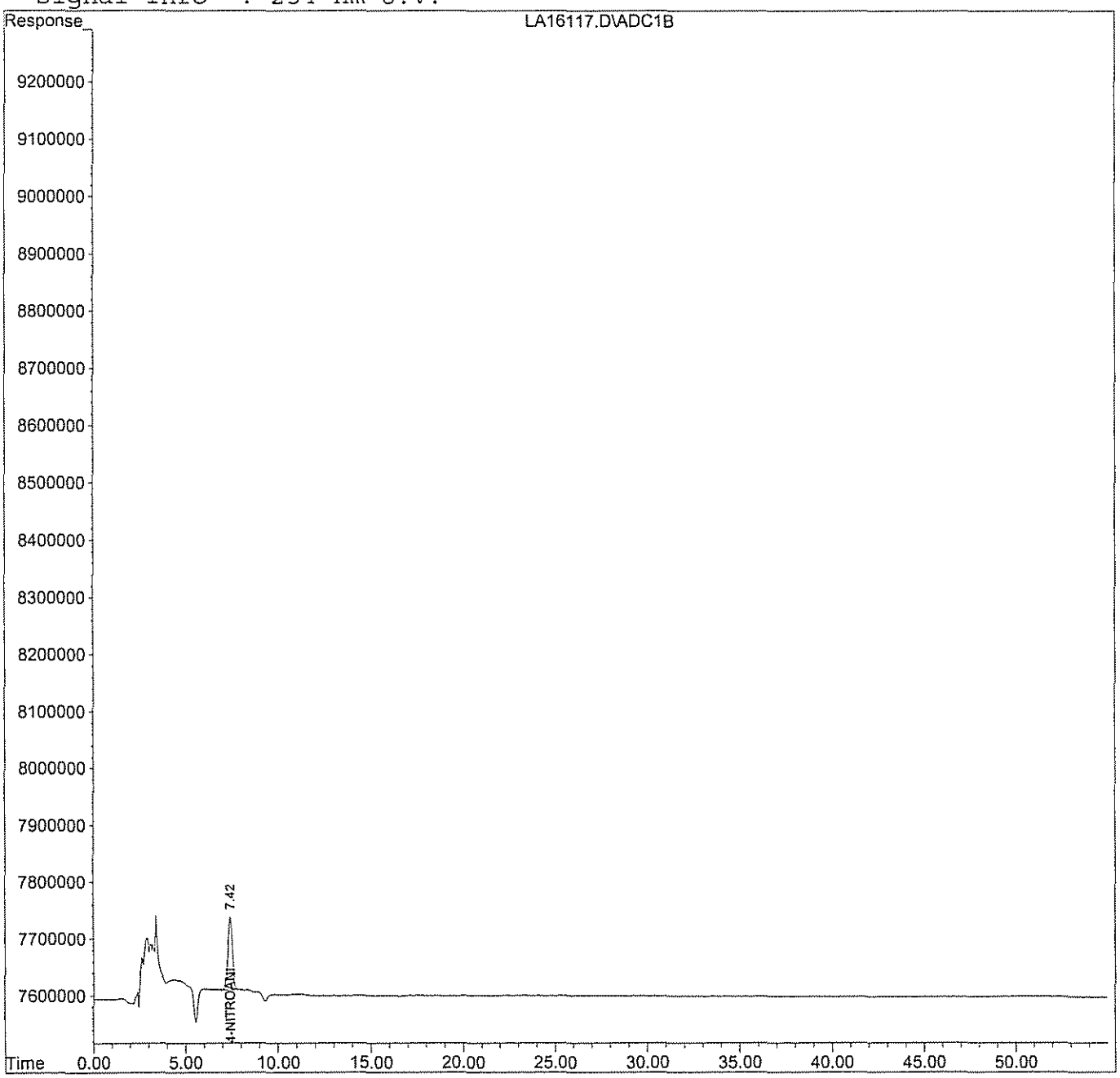
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16117.D Vial: 3
Acq On : 11 Sep 2006 22:55 Operator: AG
Sample : BLK83547 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:07 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MS
Sample Volume :	10.02	Lab File ID :	LA16119.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.44	
99-65-0	1,3-Dinitrobenzene	0.46	
118-96-7	2,4,6-Trinitrotoluene	0.48	
121-14-2	2,4-Dinitrotoluene	0.43	
606-20-2	2,6-Dinitrotoluene	0.50	
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.42	
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.39	
2691-41-0	HMX	0.47	
98-95-3	Nitrobenzene	0.45	
121-82-4	RDX	0.38	
479-45-8	Tetryl	0.42	
99-08-1	m-Nitrotoluene	0.45	
88-72-2	o-Nitrotoluene	0.48	
99-99-0	p-Nitrotoluene	0.47	

FORM I SW8330A

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16119.D Vial: 5
Acq On : 12 Sep 2006 00:54 Operator: AG
Sample : 608156-001-001-1/2MS Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:39 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.45	16317328	124.763	ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 83.18%						
Target Compounds						
1)	T	HMX	4.76	14611895	118.534	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.27	37999259	109.498	ng/mlm
4)	T	Tetryl	21.53	25776168	104.263	ng/ml
5)	T	2,4,6-Trinitrotoluene	26.23	41468378	121.439	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.40	24075810	97.863	ng/ml
7)	T	2,6-Dinitrotoluene	33.40	28326668	126.523	ng/ml
8)	T	4-Nitrotoluene	47.01	24074627	117.740	ng/mlm
9)	M	RDX	9.50	15808076	96.276	ng/mlm
10)	M	1,3-Dinitrobenzene	19.18	59465883	115.216	ng/ml
11)	M	Nitrobenzene	23.45	41903688	112.864	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	30.07	38502885	106.679	ng/ml
13)	M	2,4-Dinitrotoluene	34.54	56727483	107.064	ng/ml
14)	M	2-Nitrotoluene	43.65	27713819	119.859	ng/mlm
15)	M	3-Nitrotoluene	51.22	29015847	113.759	ng/mlm

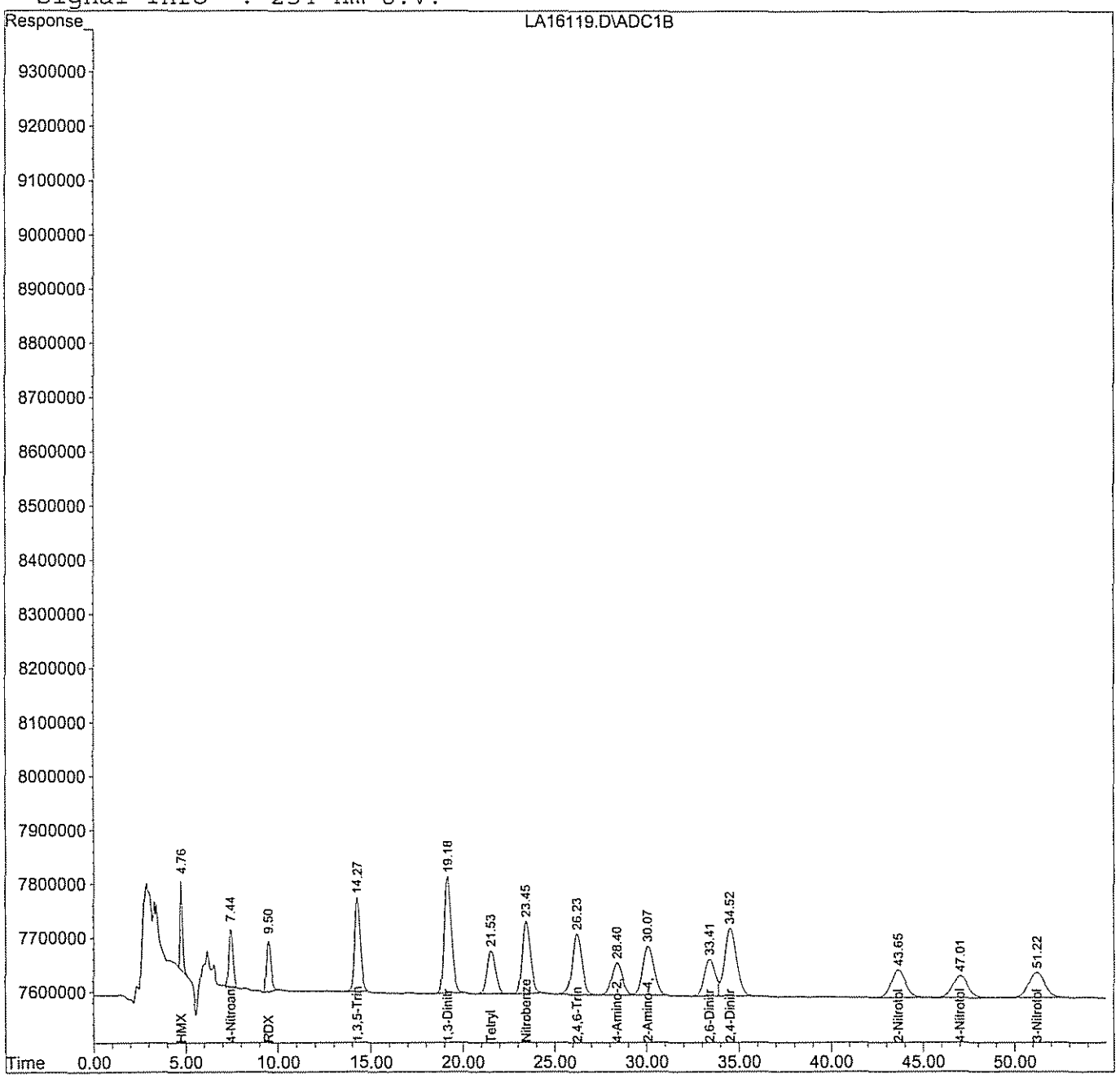
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16119.D Vial: 5
Acq On : 12 Sep 2006 00:54 Operator: AG
Sample : 608156-001-001-1/2MS Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:39 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MSD
Sample Volume :	10.01	Lab File ID :	LA16120.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.44	
99-65-0	1,3-Dinitrobenzene	0.46	
118-96-7	2,4,6-Trinitrotoluene	0.48	
121-14-2	2,4-Dinitrotoluene	0.43	
606-20-2	2,6-Dinitrotoluene	0.50	
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.43	
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.40	
2691-41-0	HMX	0.46	
98-95-3	Nitrobenzene	0.45	
121-82-4	RDX	0.38	
479-45-8	Tetryl	0.41	
99-08-1	m-Nitrotoluene	0.46	
88-72-2	o-Nitrotoluene	0.48	
99-99-0	p-Nitrotoluene	0.45	

FORM I SW8330A

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16120.D Vial: 6
Acq On : 12 Sep 2006 1:54 Operator: AG
Sample : 608156-001-001-1/2MSD Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:41 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	7.45	15919126	121.718	ng/ml
Spiked Amount		150.000	Range	52 - 154	Recovery =	81.15%
		Target Compounds				
1)	T	HMX	4.76	14323223	116.192	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.28	38207480	110.098	ng/mlm
4)	T	Tetryl	21.55	25650349	103.754	ng/ml
5)	T	2,4,6-Trinitrotoluene	26.26	40993773	120.049	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.44	24387325	99.129	ng/ml
7)	T	2,6-Dinitrotoluene	33.44	28252071	126.190	ng/ml
8)	T	4-Nitrotoluene	47.07	23058117	112.768	ng/mlm
9)	M	RDX	9.50	15687742	95.543	ng/ml
10)	M	1,3-Dinitrobenzene	19.20	59376387	115.043	ng/ml
11)	M	Nitrobenzene	23.47	41521461	111.835	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	30.12	38507673	106.693	ng/ml
13)	M	2,4-Dinitrotoluene	34.58	56622400	106.866	ng/ml
14)	M	2-Nitrotoluene	43.72	27629434	119.494	ng/mlm
15)	M	3-Nitrotoluene	51.27	29372984	115.160	ng/mlm

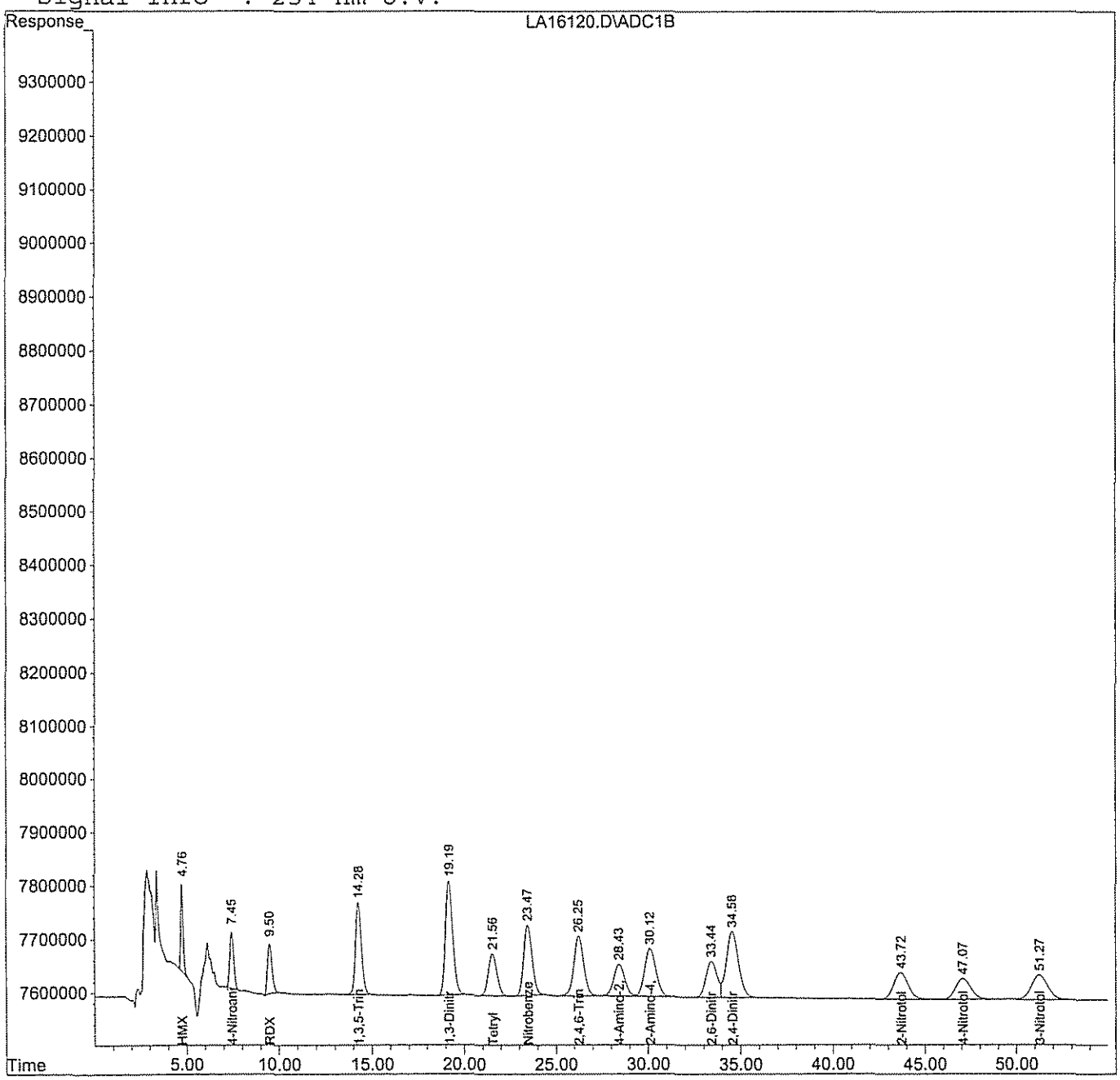
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16120.D Vial: 6
Acq On : 12 Sep 2006 1:54 Operator: AG
Sample : 608156-001-001-1/2MSD Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:41 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16120.D 67258330.M Sun Sep 17 09:24:31 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MS
Sample Volume :	10	Lab File ID :	LA16122.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	12	

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16122.D Vial: 8
Acq On : 12 Sep 2006 3:53 Operator: AG
Sample : 608156-001-001-1/2MS Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.46	16430154	134.028	PPB	m
Spiked Amount 300.000		Recovery =	44.68%		
Target Compounds					
2) M NITROGLYCERINE	23.70	5294008	3.008	PPM	m

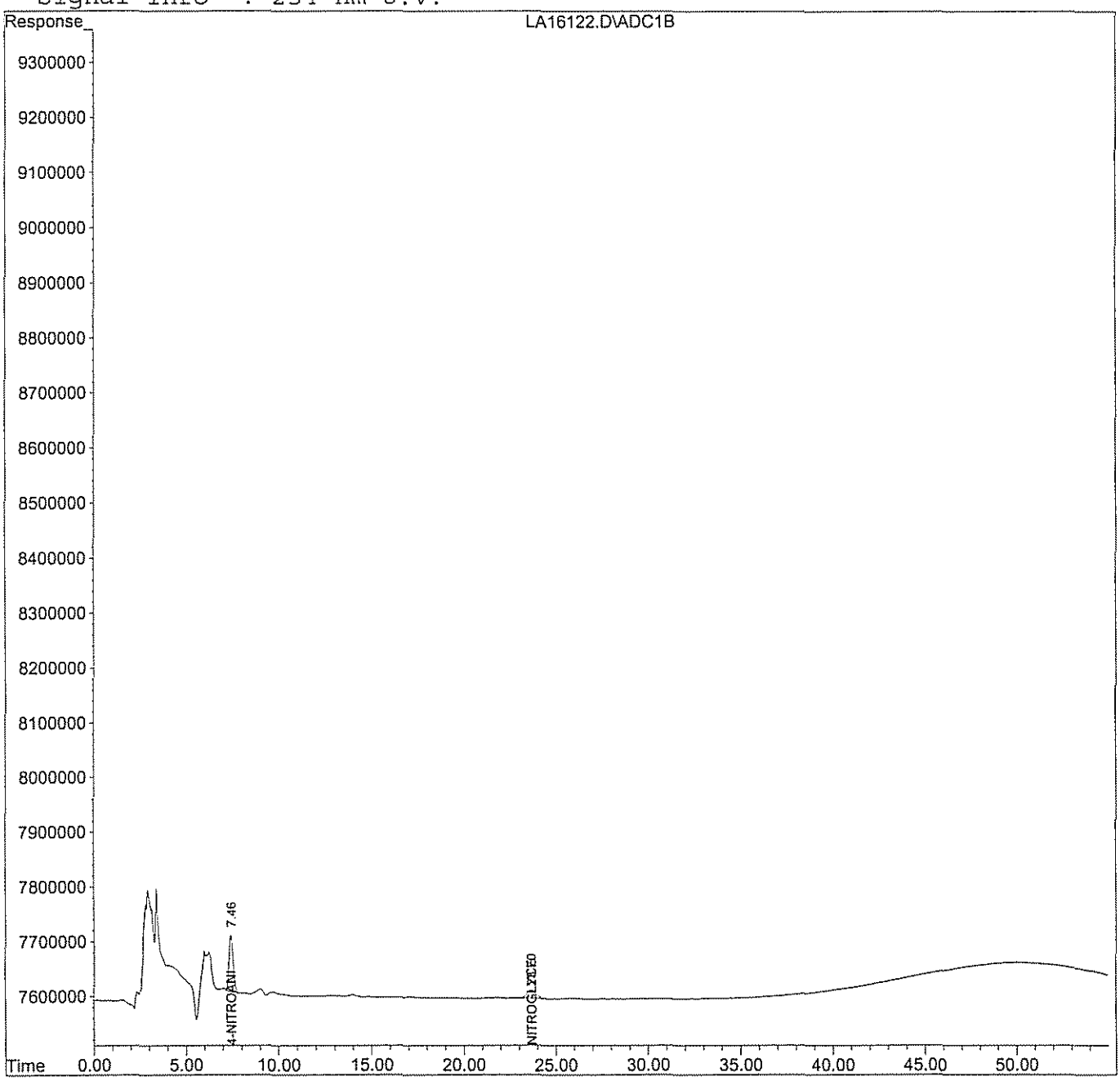
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16122.D Vial: 8
Acq On : 12 Sep 2006 3:53 Operator: AG
Sample : 608156-001-001-1/2MS Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MSD
Sample Volume :	10.02	Lab File ID :	LA16123.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	12	

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16123.D Vial: 9
Acq On : 12 Sep 2006 4:52 Operator: AG
Sample : 608156-001-001-1/2MSD Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.45	16487035	134.492 PPB
Spiked Amount 300.000		Recovery =	44.83%
Target Compounds			
2) M NITROGLYCERINE	23.69	5097271	2.896 PPM m

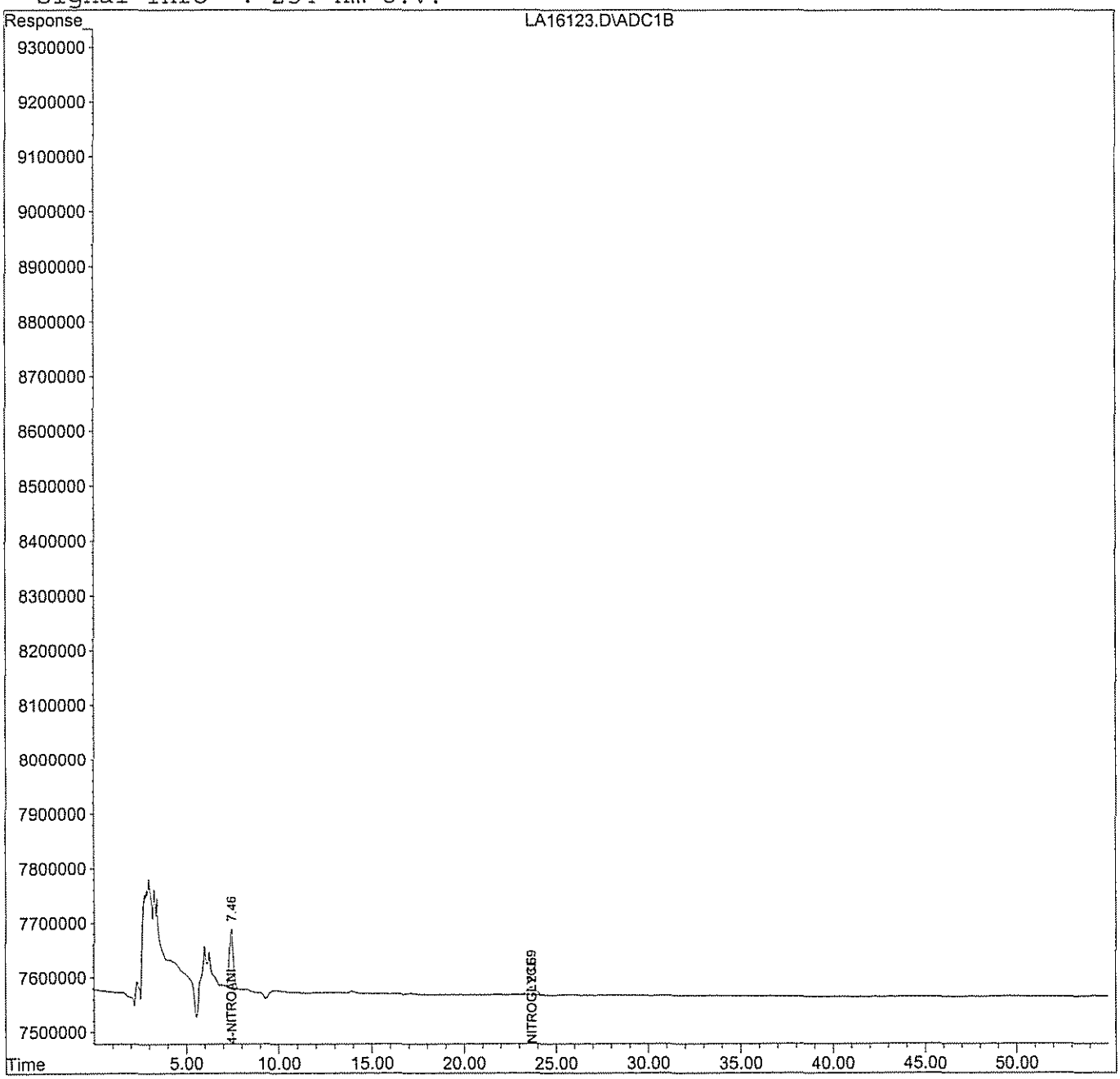
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16123.D Vial: 9
Acq On : 12 Sep 2006 4:52 Operator: AG
Sample : 608156-001-001-1/2MSD Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16123.D 60607NG.M Sun Sep 17 10:07:29 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS83534

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BKS83534
Sample Volume :	10	Lab File ID :	LA16118.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/11/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.41	
99-65-0	1,3-Dinitrobenzene	0.48	
118-96-7	2,4,6-Trinitrotoluene	0.50	
121-14-2	2,4-Dinitrotoluene	0.44	
606-20-2	2,6-Dinitrotoluene	0.53	
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.48	
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.47	
2691-41-0	HMX	0.51	
98-95-3	Nitrobenzene	0.46	
121-82-4	RDX	0.50	
479-45-8	Tetryl	0.33	
99-08-1	m-Nitrotoluene	0.47	
88-72-2	o-Nitrotoluene	0.50	
99-99-0	p-Nitrotoluene	0.47	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16118.D Vial: 4
Acq On : 11 Sep 2006 23:55 Operator: AG
Sample : BKS83534 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:06 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.44	20370409	155.752	ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 103.83%						
Target Compounds						
1)	T	HMX	4.75	15799305	128.166	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.26	35428553	102.090	ng/ml
4)	T	Tetryl	21.50	20453357	82.733	ng/ml
5)	T	2,4,6-Trinitrotoluene	26.19	42512776	124.498	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.32	28681575	116.584	ng/ml
7)	T	2,6-Dinitrotoluene	33.34	29595005	132.188	ng/ml
8)	T	4-Nitrotoluene	46.92	24195228	118.330	ng/mlm
9)	M	RDX	9.49	20418494	124.354	ng/mlm
10)	M	1,3-Dinitrobenzene	19.16	61664410	119.476	ng/ml
11)	M	Nitrobenzene	23.42	42556848	114.623	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.99	43506075	120.542	ng/ml
13)	M	2,4-Dinitrotoluene	34.47	59037551	111.424	ng/ml
14)	M	2-Nitrotoluene	43.57	28822846	124.655	ng/mlm
15)	M	3-Nitrotoluene	51.13	29895080	117.207	ng/mlm

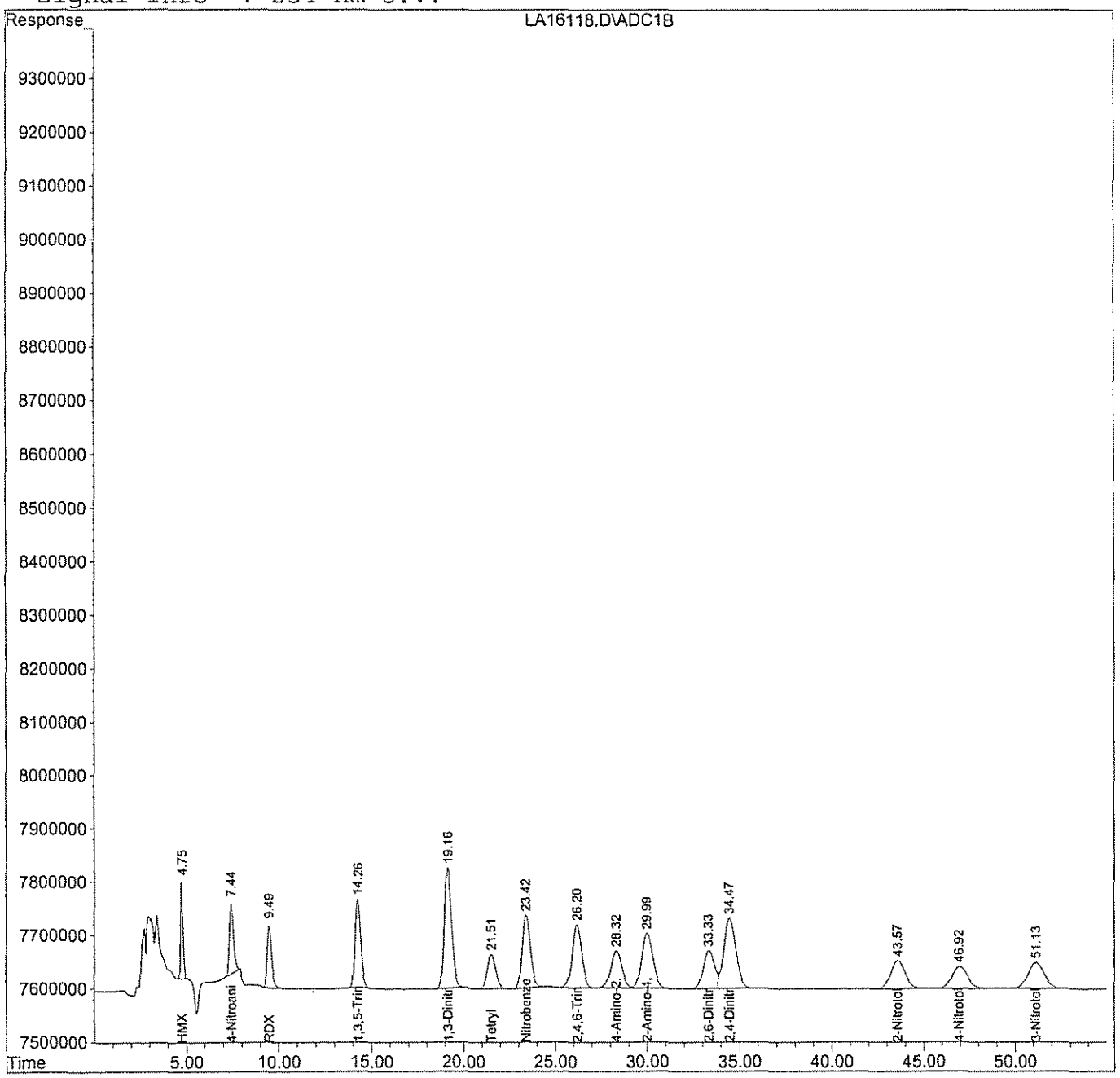
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16118.D Vial: 4
Acq On : 11 Sep 2006 23:55 Operator: AG
Sample : BKS83534 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:06 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS83547

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BKS83547
Sample Volume :	10	Lab File ID :	LA16121.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	11	

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16121.D Vial: 7
Acq On : 12 Sep 2006 2:53 Operator: AG
Sample : BKS83547 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.45	32056099	261.495	PPB	m
Spiked Amount 300.000		Recovery =	87.17%		
Target Compounds					
2) M NITROGLYCERINE	23.66	4877253	2.771	PPM	m

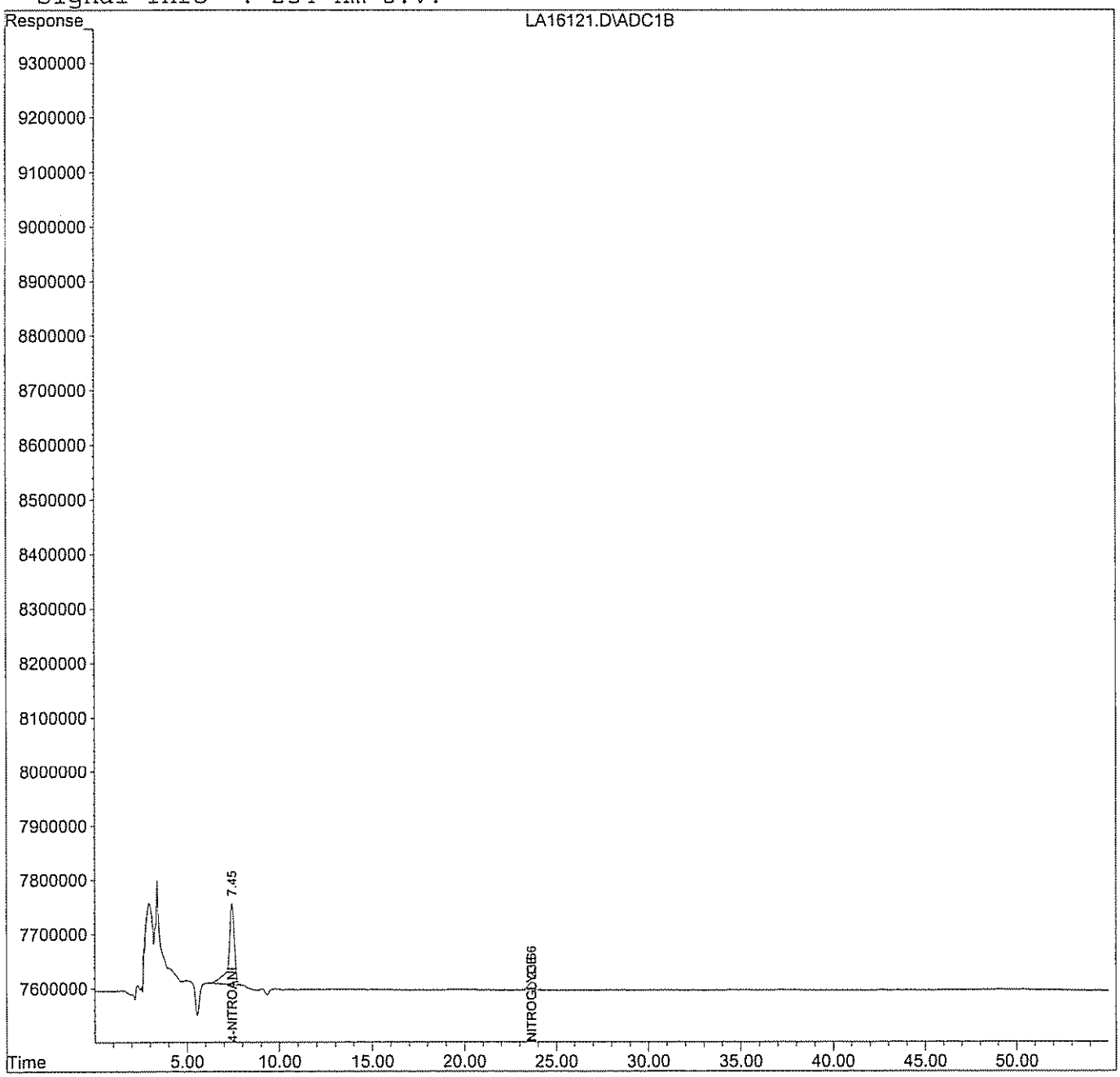
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16121.D Vial: 7
Acq On : 12 Sep 2006 2:53 Operator: AG
Sample : BKS83547 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 6:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



LA16121.D 60607NG.M Sun Sep 17 10:07:17 2006 RPT Page 2

EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 09/05/06

Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NG (S)

Extraction Chemist: N-P Date: 9-1-06 Spike Witness: D-S-S

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608156	BLK ← 83534	10.00	1.0	—	40.0
	BKS1	10.00		1.0 Ⓞ + 0.4 Ⓐ	
	001 MS1	10.02		↓	
	001 MSD1	10.01		↓	
	BKS2	10.00		1.0 *	
	001 MS2	10.00		↓	
	001 MSD2	10.02		↓	
	001	10.01		—	
	002	10.03			
	003	10.02			
	004	10.00			
	005	10.00			
	006	10.03			
	007	10.03			
	008	10.00			
↓	009	10.01			
608158	001	10.04			
↓	002	10.01			
↓	006	10.00			
608150	001	10.00			
↓	002	10.00			
608148	004	10.02			
↓	005	10.01			
↓	006	10.03	↓	↓	↓

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 Ⓞ Matrix Spike Conc.: 5.0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36672 Ⓐ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations: Xenco 83534 for 8330 Soils WO's 608156, 608158, 608148
~~Xenco 83538 for 8330 Soils WO 608150~~
~~Xenco 83546 for 8330 Petn Ⓢ for WO's 608156, 608158, 608150~~
Xenco 83547 for 8330 NG Ⓢ for WO's 608156, 608158, 608150

EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 09/05/06 Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NG (S)

Extraction Chemist: N.P. Date: 9-1-06 Spike Witness: D.S.

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608148	007	10.00	1.0	—	40.0

N.P. 9-6-06

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 ⊙ Matrix Spike Conc.: 5.0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36672 ⊙ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations:

Lca P

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

8330 6725833o

Method File: h:\lcdata\lca\methods	Data File Path: h:\lcdata\lca\072406
Detector/ Wavelength: UV 254 nm	Mobile Phase: 8330 - L49-59-31
Injection Volume: 100 ul	Flow Rate: 0.9 ml/min

ICAL: 6725833o Analyst: S.S. Reviewed by: AG Date: 09/14/06

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LA						

Injection Log

Directory: h:\lcdata\lca\072406

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	la15126.d	1.	8330MIX-BLK	C CAL	24 Jul 106 12::5
2	2	la15127.d	1.	8330MIX-LEV1	C CAL	24 Jul 106 12::4
3	3	la15128.d	1.	8330MIX-LEV2	C CAL	24 Jul 106 12::4
4	4	la15129.d	1.	8330MIX-LEV3	C CAL	24 Jul 106 13::4
5	5	la15130.d	1.	8330MIX-LEV4	C CAL	24 Jul 106 13::4
6	6	la15131.d	1.	8330MIX-LEV5	C CAL	25 Jul 106 13::4
7	7	la15132.d	1.	8330MIX-LEV6	C CAL	25 Jul 106 12::4
8	8	la15133.d	1.	8330MIX-ICV	C CAL	25 Jul 106 12::4
9	9	la15134.d	1.	8330MIX	C CAL	25 Jul 106 12::4
10	10	la15135.d	1.	BLK82682	WATER	25 Jul 106 12::4
11	11	la15136.d	1.	607135-020-020-1/1	WATER	25 Jul 106 12::4
12	12	la15137.d	1.	607136-005-009-1/2	WATER	25 Jul 106 12::4
13	13	la15138.d	1.	607135-001-012-1/1	SOIL	25 Jul 106 12::4
14	14	la15139.d	1.	607135-002-001-1/1	SOIL	25 Jul 106 12::4
15	15	la15140.d	1.	607135-003-002-1/1	SOIL	25 Jul 106 12::4
16	16	la15141.d	1.	607135-004-003-1/1	SOIL	25 Jul 106 13::4
17	17	la15142.d	1.	607135-005-004-1/1X20	SOIL	25 Jul 106 13::4
18	18	la15143.d	1.	607135-006-005-1/1	SOIL	25 Jul 106 13::4
19	19	la15144.d	1.	607135-007-006-1/1	SOIL	25 Jul 106 12::4
20	20	la15145.d	1.	8330MIX	C CAL	25 Jul 106 12::4
21	21	la15146.d	1.	607135-008-007-1/1	SOIL	25 Jul 106 12::4
22	22	la15147.d	1.	607135-009-008-1/1	SOIL	25 Jul 106 12::3
23	23	la15148.d	1.	607135-010-009-1/1	SOIL	25 Jul 106 12::3
24	24	la15149.d	1.	BLK82697	SOIL	25 Jul 106 12::3
25	25	la15150.d	1.	BKS82582	WATER	25 Jul 106 12::3
26	26	la15151.d	1.	BKSD82582	WATER	25 Jul 106 12::3
27	27	la15152.d	1.	BKS82697	SOIL	25 Jul 106 12::3
28	28	la15153.d	1.	607135-002-001-1/1MS	SOIL	25 Jul 106 13::3
29	29	la15154.d	1.	607135-002-001-1/1MSD	SOIL	25 Jul 106 13::3
30	30	la15155.d	1.	606159-002-002-1/1(1:10)	SOIL	26 Jul 106 13::3
31	31	la15156.d	1.	606159-006-006-1/1(1:10)	SOIL	26 Jul 106 12::3
32	32	la15157.d	1.	8330MIX	C CAL	26 Jul 106 12::3
33	33	la15158.d	1.	BLK82732	SOIL	26 Jul 106 12::3
34	34	la15159.d	1.	BKS82732	SOIL	26 Jul 106 12::3
35	35	la15160.d	1.	607162-004-004-1/1MS	SOIL	26 Jul 106 12::3
36	36	la15161.d	1.	607162-004-004-1/1MSD	SOIL	26 Jul 106 12::3
37	37	la15162.d	1.	607162-003-003-1/1	SOIL	26 Jul 106 12::3
38	38	la15163.d	1.	607162-004-004-1/1	SOIL	26 Jul 106 12::3
39	39	la15164.d	1.	607162-005-005-1/1	SOIL	26 Jul 106 12::3
40	40	la15165.d	1.	607162-006-006-1/1	SOIL	26 Jul 106 13::3

Remarks	Standard	Solution ID	Conc.	Date Prep.
90402 8330 91372 8330A	8330 mix	37486	10/20ppm	07/21/06

Lca P

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

833aNG 60607NG

Method File: h:\Lcdata\Lca\methods	Data File Path: h:\Lcdata\Lca\060706
Detector/ Wavelength: UV 254 nm	Mobile Phase: 8330-L49-57-25
Injection Volume: 100 ul	Flow Rate: 0.9 ml/min

ICAL: 60607NG Analyst: S.S. Reviewed by: AG Date: 09/14/06

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LA 14359	833aNG-BLK	06/07/06	1	C8	Cal	
LA 60	-LEV1					
LA 61	-LEV2					
LA 62	-LEV3					
LA 63	-LEV4					
LA 64	-LEV5					
LA 65	-ICV					# 36674
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						
LA						

S.S. 06/08/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
# 79794	4-Nitroanaline	36170	10 ppm	02/14/06
	nitroglycerine	36933	100 ppm	05/16/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

Method File: h:\lcdata\lca\mettzals	
Detector/ Wavelength: UV	
Injection Volume: 100 ul	

Data File Path: h:\lcdata\lca\091108	
Mobile Phase: 8330-L49-61-25.	
Flow Rate: 0.9 ml/min	

ICAL: 6725833.1/060710G. Analyst: AG Reviewed by: S S Date: 09/15/06

Injection Log

Directory: h:\lcdata\lca\091106

	Line	Vial	FileName	Multiplier	SampleName	8330	NG	Misc Info	Injected	Comments	Conc.	Date Prep.
LA	1		la16115.d	1.	8330mix	ok	ok					
LA	2	2	la16116.d	1.	8330NG	ok	ok	CCAL	11 Sep			
	3	3	la16117.d	1.	BLK83534	ok	ok	SOIL	11 Sep			
	4	4	la16118.d	1.	BKS83534	ok	ok	SOIL	11 Sep			
LA	5	5	la16119.d	1.	608156-001-001-1/2MS	ok	ok	SOIL	12 Sep			
	6	6	la16120.d	1.	608156-001-001-1/2MSD	ok	ok	SOIL	12 Sep			
LA	7	7	la16121.d	1.	BKS83547	ok	ok	SOIL	12 Sep			
	8	8	la16122.d	1.	608156-001-001-1/2MS	ok	ok	SOIL	12 Sep			
	9	9	la16123.d	1.	608156-001-001-1/2MSD	ok	ok	SOIL	12 Sep			
LA	10	10	la16124.d	1.	608156-001-001-1/2	ok	conf	SOIL	12 Sep			
	11	11	la16125.d	1.	608156-002-003-1/2	conf	ok	SOIL	12 Sep			
	12	12	la16126.d	1.	608156-003-005-1/2	conf	ok	SOIL	12 Sep			
	13	13	la16127.d	1.	BLK			ACN	12 Sep			
LA	14	14	la16128.d	1.	8330MIX	ok	ok	CCAL	12 Sep			
	15	15	la16129.d	1.	8330NG	ok	ok	CCAL	12 Sep			
LA	16	16	la16130.d	1.	608156-004-007-1/2	ok	ok	SOIL	12 Sep			
	17	17	la16131.d	1.	608156-005-009-1/2	ok	ok	SOIL	12 Sep			
	18	18	la16132.d	1.	608156-006-011-1/2	conf	conf	SOIL	12 Sep			
LA	19	19	la16133.d	1.	608156-007-013-1/2	conf	ok	SOIL	12 Sep			
LA	20	20	la16134.d	1.	608156-008-015-1/2	ok	ok	SOIL	12 Sep			
	21	21	la16135.d	1.	608156-009-017-1/2	ok	ok	SOIL	12 Sep			
	22	22	la16136.d	1.	608158-001-001-1/2	conf	conf	SOIL	12 Sep			
LA	23	23	la16137.d	1.	608158-002-003-1/2	ok	ok	SOIL	12 Sep			
	24	24	la16138.d	1.	608158-006-009-1/2	conf	ok	SOIL	12 Sep			
LA	25	25	la16139.d	1.	608150-001-003-1/1	ok	conf	SOIL	12 Sep			
	26	26	la16140.d	1.	BLK			ACN	12 Sep			
LA	27	27	la16141.d	1.	8330MIX	ok	ok	CCAL	12 Sep			
	28	28	la16142.d	1.	8330NG	ok	ok	CCAL	12 Sep			
	29	29	la16143.d	1.	608150-002-004-1/1	conf	ok	SOIL	13 Sep			
LA	30	30	la16144.d	1.	608148-004-014-1/1	conf	conf	SOIL	13 Sep			
	31	31	la16145.d	1.	608148-005-015-1/1	conf	conf	SOIL	13 Sep			
LA	32	32	la16146.d	1.	608148-006-016-1/1	conf	conf	SOIL	13 Sep			
	33	33	la16147.d	1.	608148-007-017-1/1	conf	conf	SOIL	13 Sep			
LA	34	34	la16148.d	1.	BLK83338	ok	ok	WATER	13 Sep			
	35	35	la16149.d	1.	BKS83338	ok	ok	WATER	13 Sep			
LA	36	36	la16150.d	1.	BKS83336	ok	ok	WATER	13 Sep			
	37	37	la16151.d	1.	608125-012-013-1/2	ok	ok	WATER	13 Sep			
	38	38	la16152.d	1.	608125-001-012-1/2	ok	ok	WATER	13 Sep			
LA	39	39	la16153.d	1.	8330MIX	ok	ok	CCAL	13 Sep			
	40	40	la16154.d	1.	8330NG	ok	ok	CCAL	13 Sep			
LA	41	41	la16155.d	1.	BLK83420	ok	ok	WATER	13 Sep			
	42	42	la16156.d	1.	BKS83420	ok	ok	WATER	13 Sep			
LA	43	43	la16157.d	1.	BKS83419	ok	ok	WATER	13 Sep			
	44	44	la16158.d	1.	608145-001-001-1/1	ok	ok	WATER	13 Sep			
LA	45	45	la16159.d	1.	608145-003-002-1/3	ok	ok	WATER	13 Sep			
	46	46	la16160.d	1.	608145-004-008-1/1	ok	ok	WATER	13 Sep			
	47	47	la16161.d	1.	608126-005-015-1/2	ok	ok	WATER	13 Sep			
LA	48	48	la16162.d	1.	608128-003-008-1/2	ok	ok	WATER	13 Sep			
	49	49	la16163.d	1.	608128-004-010-1/2	ok	ok	WATER	13 Sep			
LA	50	50	la16164.d	1.	608128-005-012-1/2	ok	ok	WATER	13 Sep			
	51	51	la16165.d	1.	8330MIX	ok	ok	CCAL	13 Sep			
LA	52	52	la16166.d	1.	8330NG	ok	ok	CCAL	13 Sep			
	53	53	la16167.d	1.	BLK83285/83406	ok	ok	WATER	14 Sep			
	54	54	la16168.d	1.	BKS83285	ok	ok	WATER	14 Sep			
	55	55	la16169.d	1.	608096-004-029-1/8MS	ok	ok	WATER	14 Sep			
	56	56	la16170.d	1.	608096-004-029-1/8MSD	ok	ok	WATER	14 Sep			
	57	57	la16171.d	1.	BKS83406	ok	ok	WATER	14 Sep			

Page 1 14 Sep 06 07:59

8330mix	# 37486	10/20 ppm
H-Nitroanaline	# 37239	10 ppm
Nitroglycerine	# 37153	100 ppm

HPLC ANALYSIS LOGBOOK

Lcb

Instrument ID: LC #B 8330 Comb 073006C

Method File:	h:\LCdata\LCB\Methods.	Data File Path:	i:\Lc data\LcB\073006
Detector(s):	UV	Mobile Phase:	60% Di water + 5% MeOH + 35% ACN.
Pump(s):	515 HPLC	Flow Rate:	1.0 mL/Min
Autosampler:	717 plus	Detector Wavelength:	254
Column:	CN	Injection Volume:	100 uL.

ICAL Method: 073006C Analyst: AG Reviewed by: S S Date: 8/07/06

Injection Log

Directory: i:\lcdata\lcb\073006

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	LB35282.D	1.	8330MIX-LEV-4	CAL	30 Jul 106 13::2
2	1	LB35283.D	1.	BLK	CAL	30 Jul 106 12::1
3	2	LB35284.D	1.	8330MIX-LEV-1	CAL	30 Jul 106 12::1
4	3	LB35285.D	1.	8330MIX-LEV-2	CAL	30 Jul 106 12::0
5	4	LB35286.D	1.	8330MIX-LEV-3	CAL	30 Jul 106 12::5
6	5	LB35287.D	1.	8330MIX-LEV-4	CAL	30 Jul 106 12::4
7	6	LB35288.D	1.	8330MIX-LEV-5	CAL	30 Jul 106 12::3
8	7	LB35289.D	1.	8330MIX-LEV-6	CAL	30 Jul 106 12::2
9	8	LB35290.D	1.	8330MIX-ICV	CAL	30 Jul 106 12::1
10	9	LB35291.D	1.	8330MIX	CAL	30 Jul 106 12::0
11	10	LB35292.D	1.	8330NG-LEV-1	CAL	31 Jul 106 13::1
12	11	LB35293.D	1.	8330NG-LEV-2	CAL	31 Jul 106 13::0
13	12	LB35294.D	1.	8330NG-LEV-3	CAL	31 Jul 106 12::0
14	13	LB35295.D	1.	8330NG-LEV-4	CAL	31 Jul 106 12::5
15	14	LB35296.D	1.	8330NG-LEV-5	CAL	31 Jul 106 12::4
16	15	LB35297.D	1.	8330NG-LEV-ICV	CAL	31 Jul 106 12::1
17	16	LB35298.D	1.	8330NG-3	CAL	31 Jul 106 12::0
18	17	LB35299.D	1.	8330MIX	CAL	31 Jul 106 12::0

not used

LB					
LB					
LB					
LB					
LB					
LB					
LB					
LB					
LB					
LB					
LB					
LB					
LB					

Remarks	Standard	Solution ID	Conc.	Date Prep.
	8330 Mix	37486	10/20 PPM	07/21/06
	4-nitroaniline	37239	10 PPM	07/24/06
	nitroglycerine	37153	37153	06/15/06
AG 8/10/06	~~8330 ICV~~	-	100 PPM	
	8330 ICV	37554	10/20 PPM	07/27/06

LcB C.

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B 3 NG 6802NGCo

Method File:	h:\lcdata\LCB\Method 1.	Data File Path:	I:\Lcdata\LCB 080206
Detector(s):	UV.	Mobile Phase:	60% 0.01 water + 5% MeOH + 35% ACN.
Pump(s):	515 HPLC.	Flow Rate:	1.0 mL/min.
Autosampler:	717 plus -	Detector Wavelength:	254
Column:	CN.	Injection Volume:	100 µL

ICAL Method: 6802NG GmC Analyst: AG. Reviewed by: [illegible] Date: 8/11/06

Injection Log

Directory: i:\lcdata\lcb\080206

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	LB35344.D	1.	8330NG-BLK	CCAL	2 Aug 106 12::0
2	2	LB35345.D	1.	8330NG-LEV1	CCAL	2 Aug 106 12::5
3	3	LB35346.D	1.	8330NG-LEV2	CCAL	2 Aug 106 12::4
4	4	LB35347.D	1.	8330NG-LEV3	CCAL	2 Aug 106 12::3
5	5	LB35348.D	1.	8330NG-LEV4	CCAL	2 Aug 106 13::2
6	6	LB35349.D	1.	8330NG-LEV5	CCAL	2 Aug 106 13::2
7	7	LB35350.D	1.	8330NG-ICV	CCAL	3 Aug 106 13::1
8	8	LB35351.D	1.	BLK	ACN	3 Aug 106 12::0

LB					
LB					
LB					
LB					
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LB					

AG 08/11/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
	4-nitroaniline	37239	10PPM	07/24/06
	Nitroglycerine	37153	100 ppm	06/15/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B

Method File:	h:\lcdata\lcb\methods	Data File Path:	h:\lcdata\lcb\091406
Detector(s):	UV	Mobile Phase:	833Ccb-L49-62-01
Pump(s):	515 waters	Flow Rate:	1.00 ml/min
Autosampler:	717 waters	Detector Wavelength:	254 nm
Column:	Polar	Injection Volume:	100 ul

ICAL Method: 730006c Analyst: AC Reviewed by: SS Date: 09/15/06

Injection Log

Directory: h:\lcdata\lcb\091406

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1		lb36147.d	1.	8330 MIX ok		
2	2	lb36148.d	1.	8330NG ok	C CAL	14 Sep
3	3	lb36149.d	1.	608148-004	SOIL	14 Sep
4	4	lb36150.d	1.	608089-001	SOIL	14 Sep
5	5	lb36151.d	1.	608089-005	SOIL	14 Sep
6	6	lb36152.d	1.	608089-006	SOIL	14 Sep
7	7	lb36153.d	1.	608089-007	SOIL	14 Sep
8	8	lb36154.d	1.	608089-008	SOIL	14 Sep
9	9	lb36155.d	1.	608101-001	SOIL	14 Sep
10	10	lb36156.d	1.	608101-002	SOIL	14 Sep
11	11	lb36157.d	1.	608101-003	SOIL	14 Sep
12	12	lb36158.d	1.	608101-005	SOIL	14 Sep
13	13	lb36159.d	1.	8330MIX ok	CCAL	14 Sep
14	14	lb36160.d	1.	8330NG ok	CCAL	14 Sep
15	15	lb36161.d	1.	608108-001	SOIL	15 Sep
16	16	lb36162.d	1.	608156-001	SOIL	15 Sep
17	17	lb36163.d	1.	608156-002	SOIL	15 Sep
18	18	lb36164.d	1.	608156-003	SOIL	15 Sep
19	19	lb36165.d	1.	608156-006	SOIL	15 Sep
20	20	lb36166.d	1.	608156-007	SOIL	15 Sep
21	21	lb36167.d	1.	608158-001	SOIL	15 Sep
22	22	lb36168.d	1.	608158-006	SOIL	15 Sep
23	23	lb36169.d	1.	608150-001	SOIL	15 Sep
24	24	lb36170.d	1.	8330MIX ok	CCAL	15 Sep
25	25	lb36171.d	1.	8330NG ok	CCAL	15 Sep
26	26	lb36172.d	1.	608150-002	SOIL	15 Sep
27	27	lb36173.d	1.	608124-004	SOIL	15 Sep
28	28	lb36174.d	1.	608124-005	SOIL	15 Sep
29	29	lb36175.d	1.	608124-006	SOIL	15 Sep
30	30	lb36176.d	1.	608124-008	SOIL	15 Sep
31	31	lb36177.d	1.	608124-010	SOIL	15 Sep
32	32	lb36178.d	1.	608124-011	SOIL	15 Sep
33	33	lb36179.d	1.	608124-012	SOIL	15 Sep
34	34	lb36180.d	1.	8330MIX ok	CCAL	15 Sep
35	35	lb36181.d	1.	8330NG ok	CCAL	15 Sep

Remarks	Standard	Solution ID	Conc.	Date Prep.
	8330 mix	37909	10/20 ppm	08/22/06
	4-nitroamine	37239	10 ppm	06/29/06
	nitroglycerine	37153	100 ppm	06/15/06

LOW IMPACT EXPLOSIVES AND PROPELLANTS

(PETN)

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8330** **SDG No : 608156**

Surrogate	NO2ANIL4
Lower QC Limits	**31**
Upper QC Limits	**129**
Sample ID	
BKS83546	118
BLK83546	122
NWO-017-0022	90
NWO-017-0022MS	90
NWO-017-0022MSD	91
NWO-017-0023	102
NWO-017-0027	83
NWO-017-0028	93
NWO-017-0030	91
NWO-017-0046	111
NWO-017-1003	116
NWO-017-1012	102
NWO-017-1013	87

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-0022MSD

Lab Name : GPL Laboratories SDG NO : 608156 Method : SW8330

Lab Code : GPL Lab Sample ID : 608156-001-001-1/2MSD Matrix : SOIL Analysis Date : 09/12/2006

Compound	Spike Added (mg/kg)		CONCENTRATION (mg/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Nitroglycerine	20	20	0.0	12	12	60	60	0	25	50-150
Pentaerythritol Tetranitrate	.4	.4	0.0	0.48	0.50	120	125	4	25	77-150

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 2 Outside Limit
Spike Recovery : 0 Out of 4 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS83546

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8330

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 608156
Lab Sample ID : BKS83546
Analysis Date : 09/12/2006

COMPOUND	SPIKE ADDED (mg/kg)	BLANK CONCENTRATION (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC	QC LIMTS
Pentaerythritol Tetranitrate	.4	0	0.45	113	46-134

* Values Outside of QC Limits.

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK83546

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	83546
Lab File ID :	LB36096.D	SDG NO :	608156
Date Analyzed	09/12/2006	Lab Sample ID :	BLK83546
Date Extracted :	09/01/2006	Time Analyzed :	08:25
Matrix :(Soil/Water).	SOIL	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS83546	BKS83546	LB36097.D	09/12/2006
NWO-017-0022	608156-001-001-1/2	LB36098.D	09/12/2006
NWO-017-0022MS	608156-001-001-1/2MS	LB36099.D	09/12/2006
NWO-017-0022MSD	608156-001-001-1/2MSD	LB36100.D	09/12/2006
NWO-017-0023	608156-002-003-1/2	LB36101.D	09/12/2006
NWO-017-1003	608156-003-005-1/2	LB36102.D	09/12/2006
NWO-017-0027	608156-004-007-1/2	LB36103.D	09/12/2006
NWO-017-0028	608156-005-009-1/2	LB36104.D	09/12/2006
NWO-017-0030	608156-006-011-1/2	LB36107.D	09/12/2006
NWO-017-0046	608156-007-013-1/2	LB36108.D	09/12/2006
NWO-017-1012	608156-008-015-1/2	LB36109.D	09/12/2006
NWO-017-1013	608156-009-017-1/2	LB36110.D	09/12/2006

FORM IV SW8330

B. Sample Data

1. TCL Results

2. Chromatographs from Primary and Confirmatory Analyses

3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2
Sample Volume :	10.01	Lab File ID :	LB36098.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36098.D Vial: 4
Acq On : 12 Sep 2006 9:07 Operator: ST.
Sample : 608156-001-001-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:14 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.45	39616095	135.523	PPB	m
Spiked Amount 300.000		Recovery =	45.17%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	d

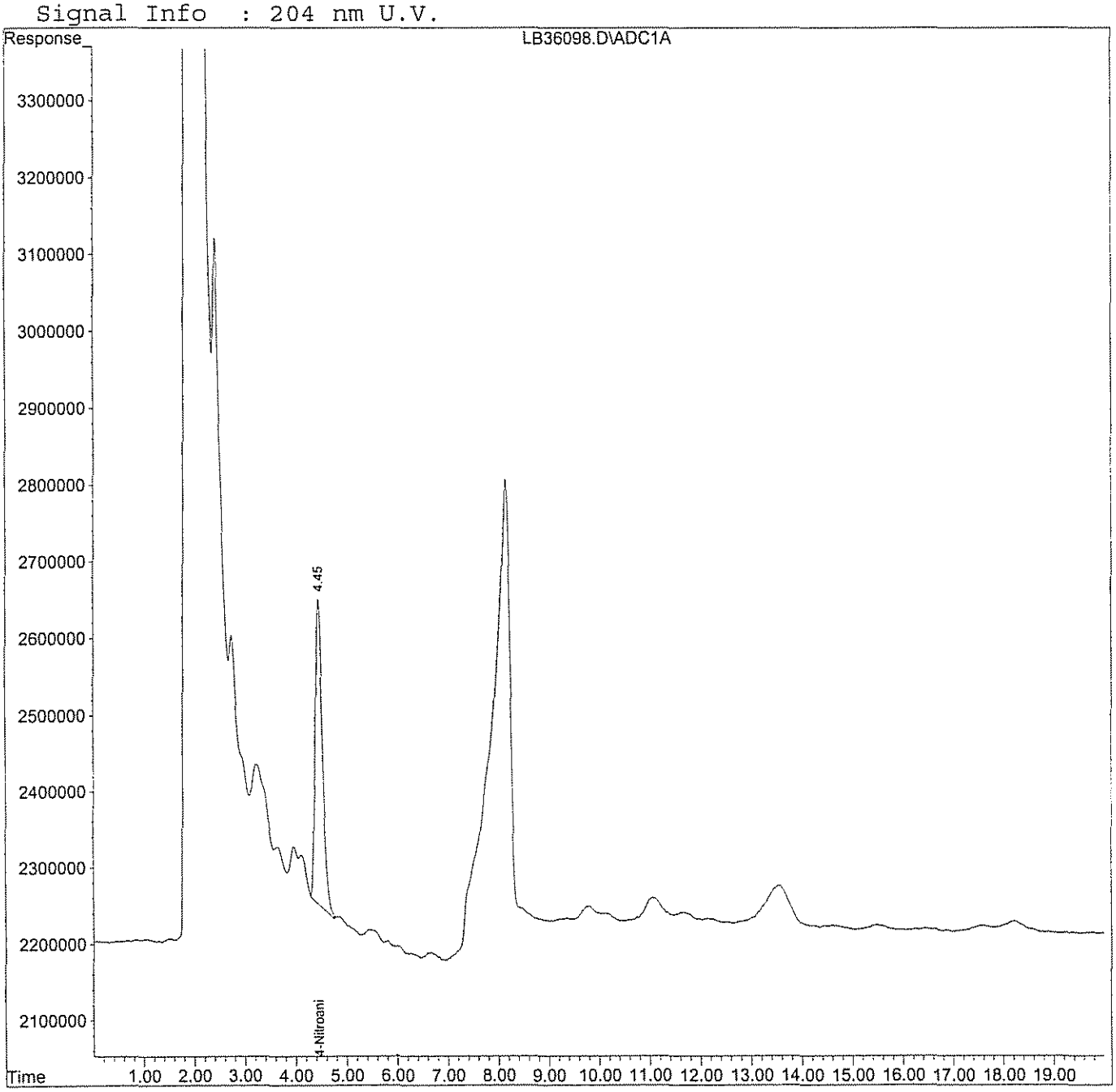
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36098.D Vial: 4
Acq On : 12 Sep 2006 9:07 Operator: ST.
Sample : 608156-001-001-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:14 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0023

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-002-003-1/2
Sample Volume :	10.03	Lab File ID :	LB36101.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36101.D Vial: 7
Acq On : 12 Sep 2006 10:11 Operator: ST.
Sample : 608156-002-001-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:13 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.44	44607681	152.925 PPB
Spiked Amount 300.000		Recovery =	50.98%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB d

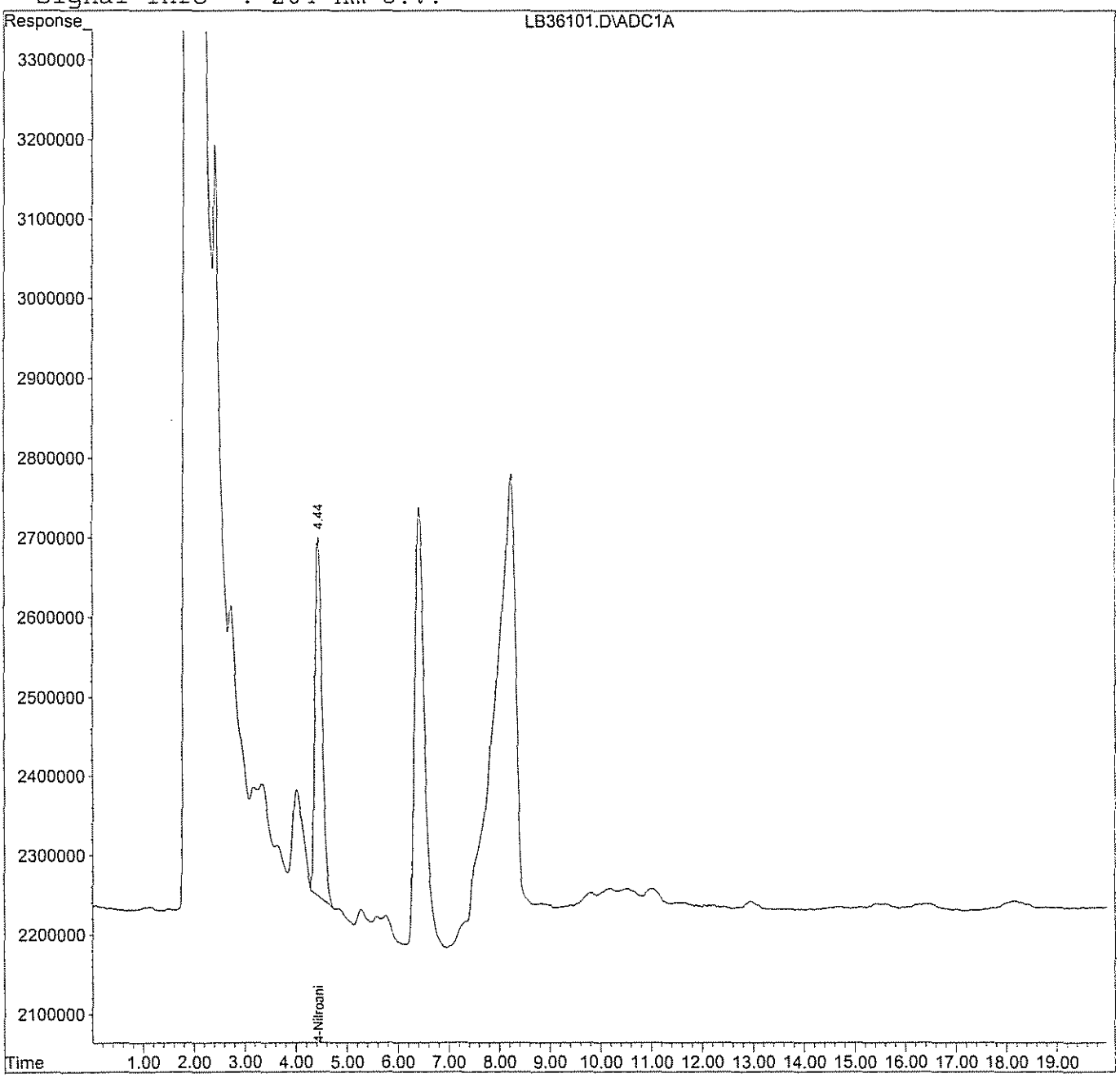
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36101.D Vial: 7
Acq On : 12 Sep 2006 10:11 Operator: ST.
Sample : 608156-002-001-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:13 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1003

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-003-005-1/2
Sample Volume :	10.02	Lab File ID :	LB36102.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36102.D Vial: 8
Acq On : 12 Sep 2006 10:33 Operator: ST.
Sample : 608156-003-005-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:36 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.03	50725213	174.252	PPB	m
Spiked Amount 300.000		Recovery =	58.08%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	d

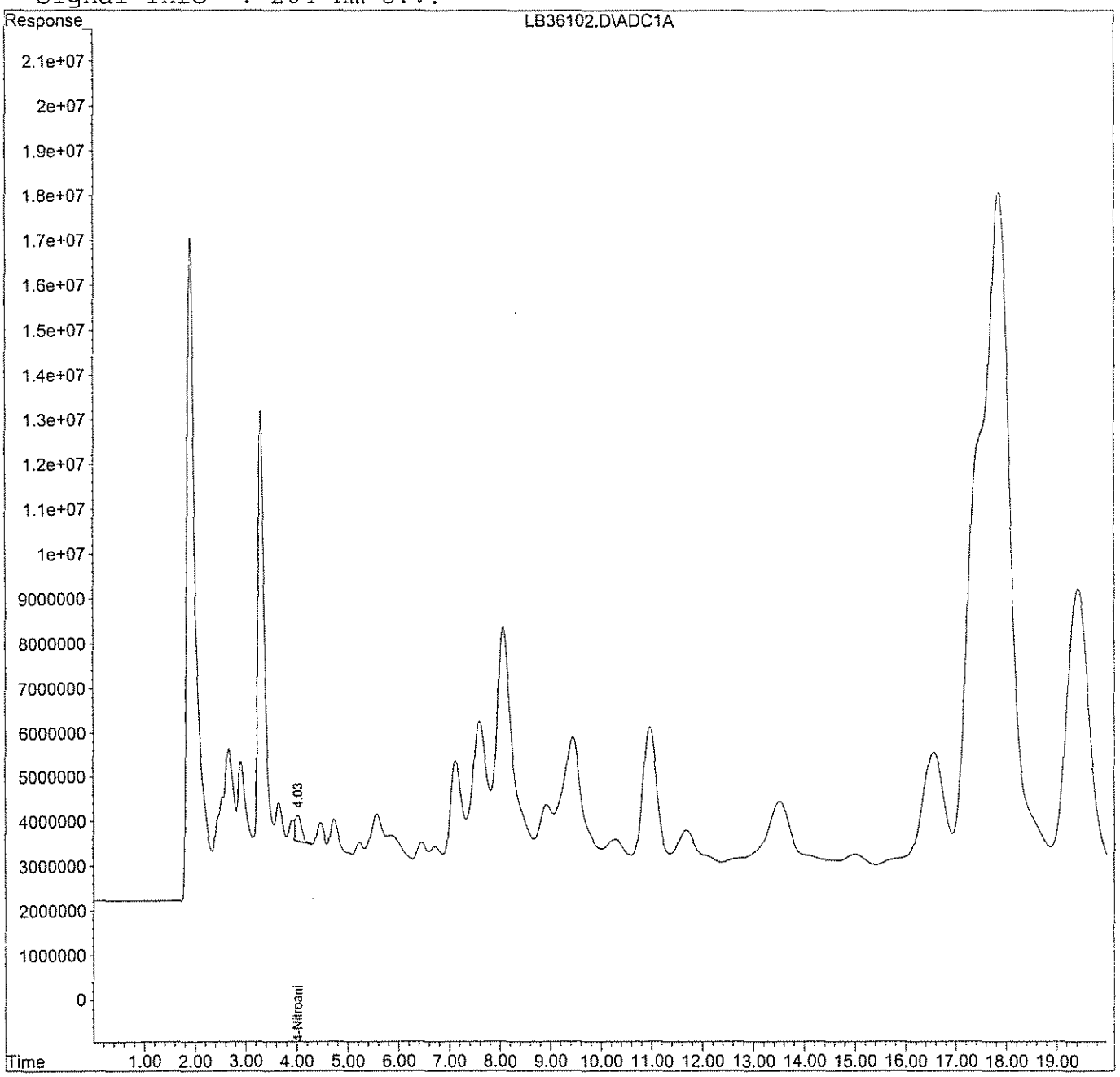
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36102.D Vial: 8
Acq On : 12 Sep 2006 10:33 Operator: ST.
Sample : 608156-003-005-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:36 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36102.D 6515PTN.M Mon Sep 18 11:37:34 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0027

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-004-007-1/2
Sample Volume :	10	Lab File ID :	LB36103.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36103.D Vial: 9
Acq On : 12 Sep 2006 10:54 Operator: ST.
Sample : 608156-004-007-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 13:34 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.44f	36731081	125.465	PPB	m
Spiked Amount 300.000		Recovery =	41.82%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

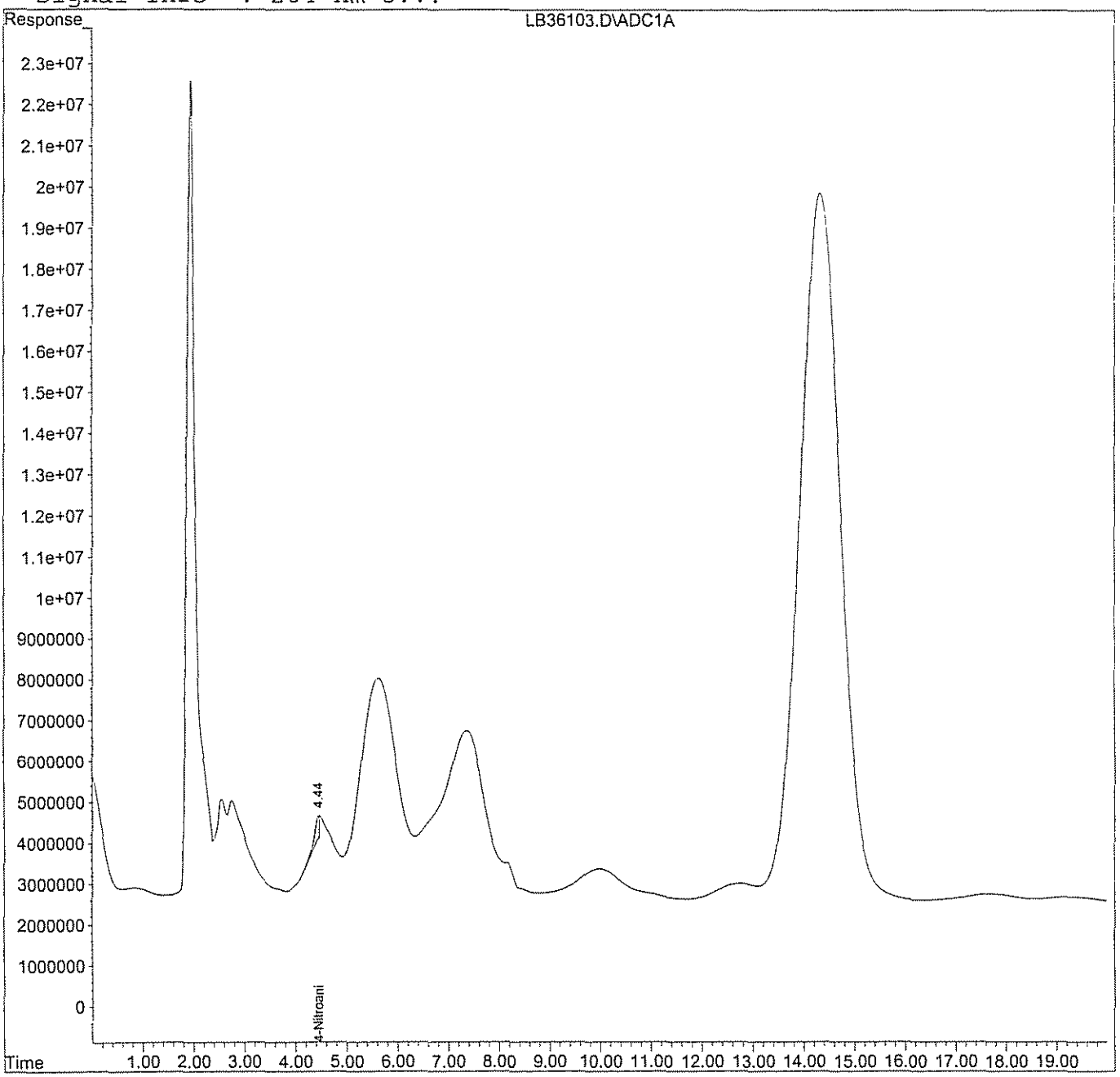
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36103.D Vial: 9
Acq On : 12 Sep 2006 10:54 Operator: ST.
Sample : 608156-004-007-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 13:34 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36103.D 6515PTN.M Mon Sep 18 13:34:34 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0028

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-005-009-1/2
Sample Volume :	10	Lab File ID :	LB36104.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36104.D Vial: 10
Acq On : 12 Sep 2006 11:15 Operator: ST.
Sample : 608156-005-009-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 12:19 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.46	40663508	139.175	PPB	m
Spiked Amount 300.000		Recovery =	46.39%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

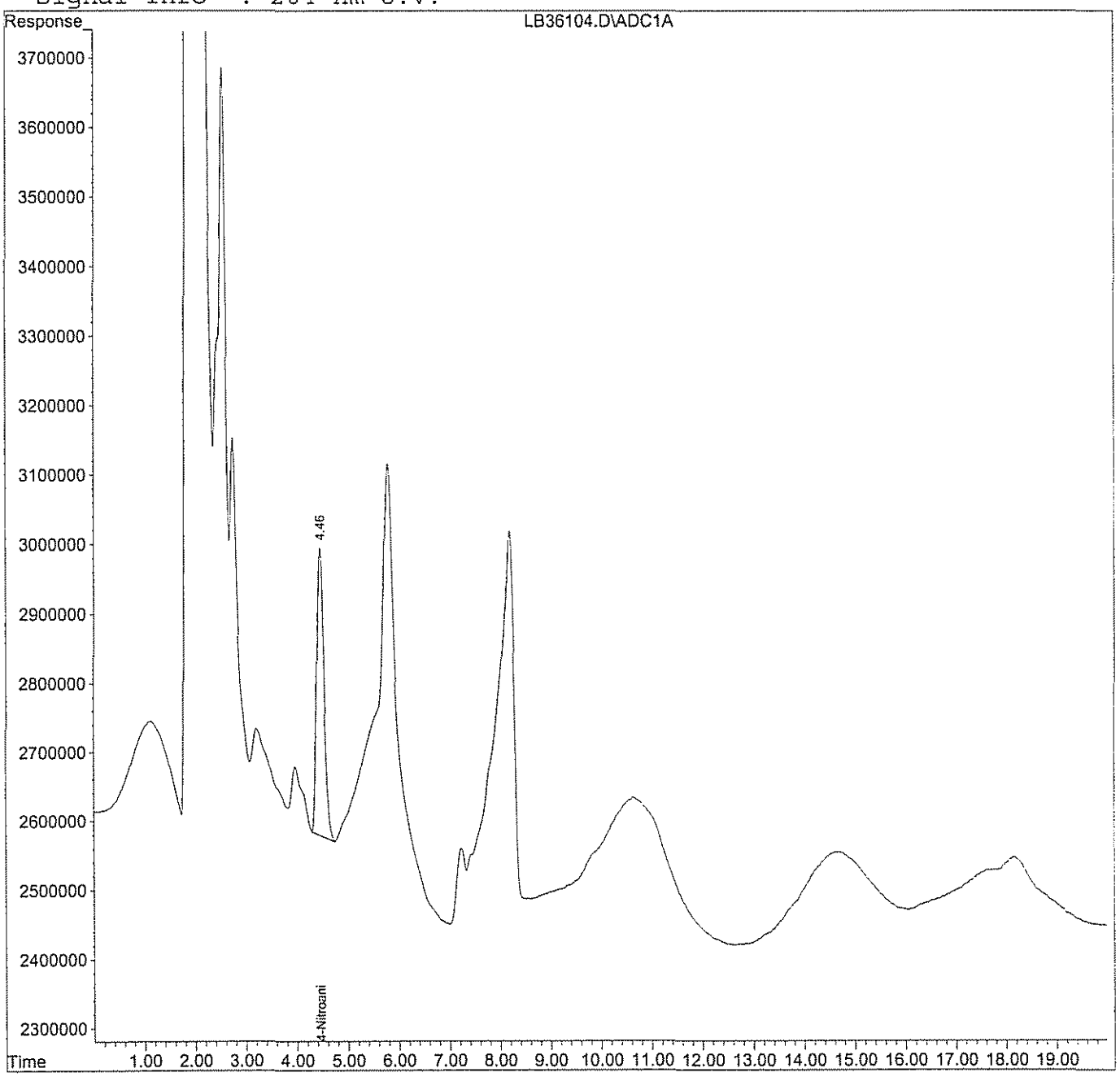
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36104.D Vial: 10
Acq On : 12 Sep 2006 11:15 Operator: ST.
Sample : 608156-005-009-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 12:19 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36104.D 6515PTN.M Mon Sep 18 11:34:50 2006 RPT Page 2

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0030

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-006-011-1/2
Sample Volume :	10.03	Lab File ID :	LB36107.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36107.D Vial: 13
Acq On : 12 Sep 2006 12:19 Operator: ST.
Sample : 608156-006-011-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:26 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.47	40048271	137.030 PPB
Spiked Amount 300.000		Recovery =	45.68%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

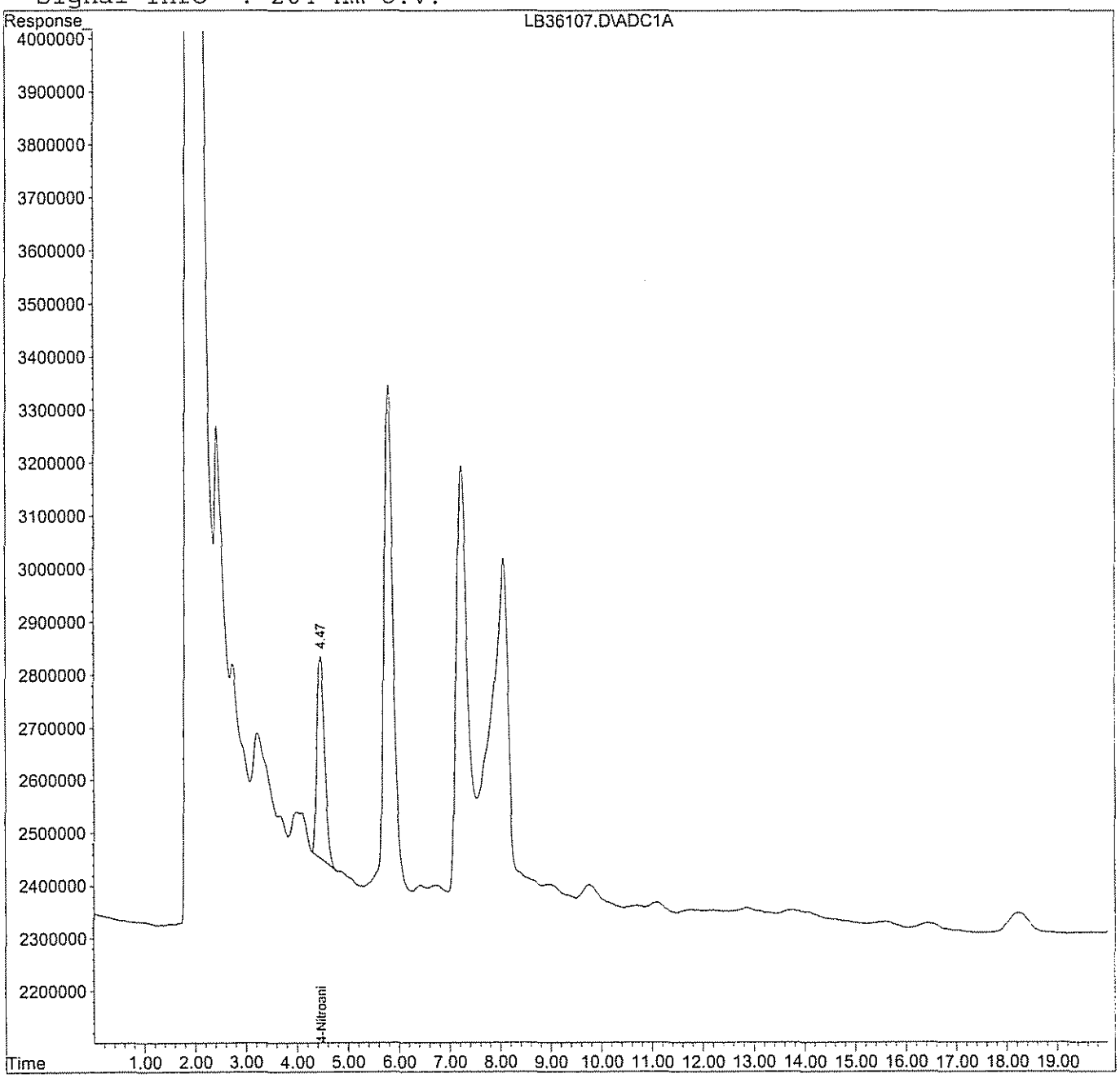
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36107.D Vial: 13
Acq On : 12 Sep 2006 12:19 Operator: ST.
Sample : 608156-006-011-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:26 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36107.D 6515PTN.M Mon Sep 18 11:34:52 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0046

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-007-013-1/2
Sample Volume :	10.03	Lab File ID :	LB36108.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36108.D Vial: 14
Acq On : 12 Sep 2006 12:40 Operator: ST.
Sample : 608156-007-013-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:27 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.46	48348459	165.966 PPB
Spiked Amount 300.000		Recovery =	55.32%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

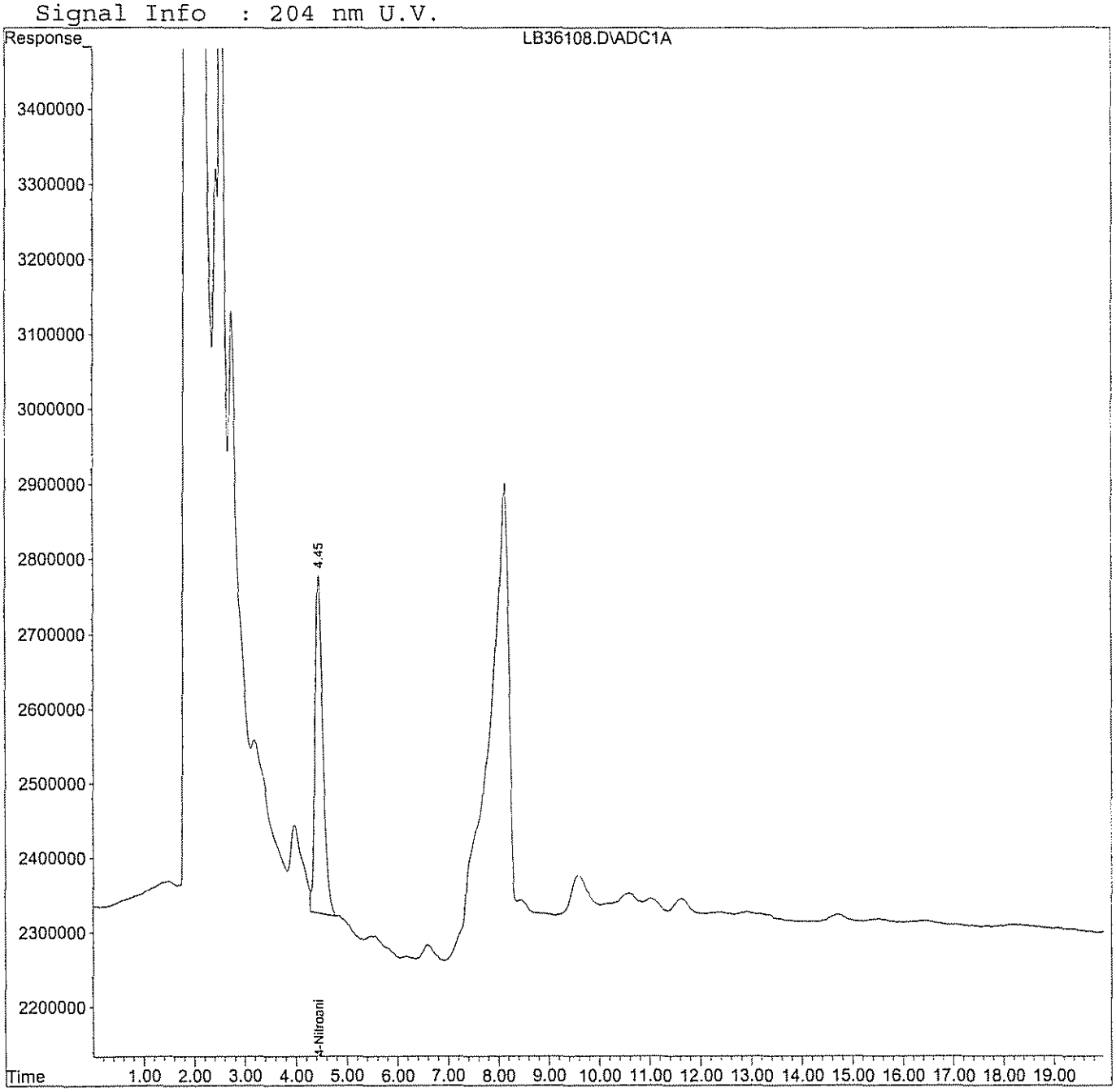
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36108.D Vial: 14
Acq On : 12 Sep 2006 12:40 Operator: ST.
Sample : 608156-007-013-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:27 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1012

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-008-015-1/2
Sample Volume :	10	Lab File ID :	LB36109.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36109.D Vial: 15
Acq On : 12 Sep 2006 13:02 Operator: ST.
Sample : 608156-008-015-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:27 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.44	44691820	153.218	PPB	m
Spiked Amount 300.000		Recovery =	51.07%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

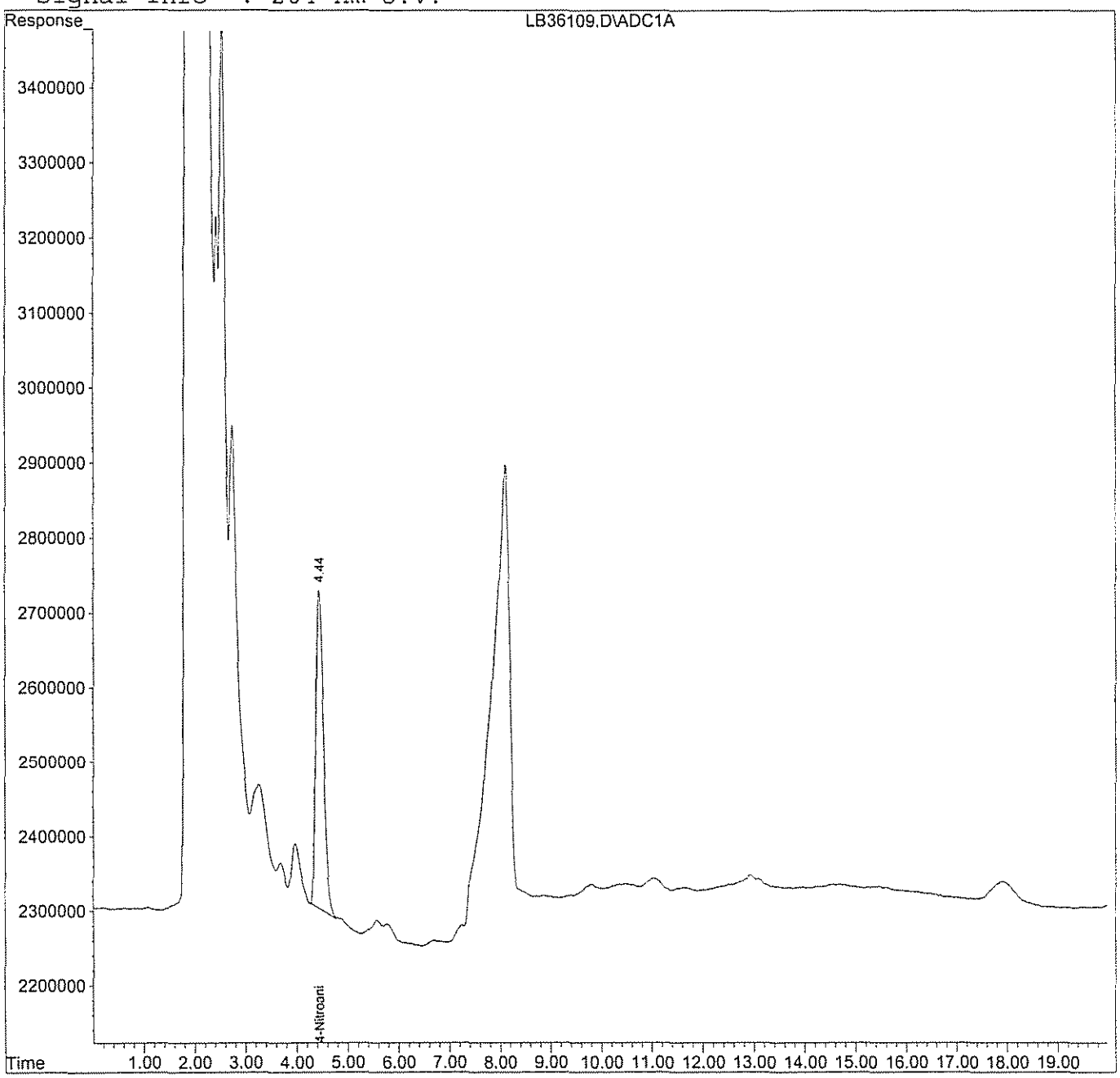
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36109.D Vial: 15
Acq On : 12 Sep 2006 13:02 Operator: ST.
Sample : 608156-008-015-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:27 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36109.D 6515PTN.M Mon Sep 18 11:34:56 2006 RPT Page 2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1013

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-009-017-1/2
Sample Volume :	10.01	Lab File ID :	LB36110.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36110.D Vial: 16
Acq On : 12 Sep 2006 13:23 Operator: ST.
Sample : 608156-009-017-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:27 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.47	38029729	129.993 PPB
Spiked Amount 300.000		Recovery =	43.33%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

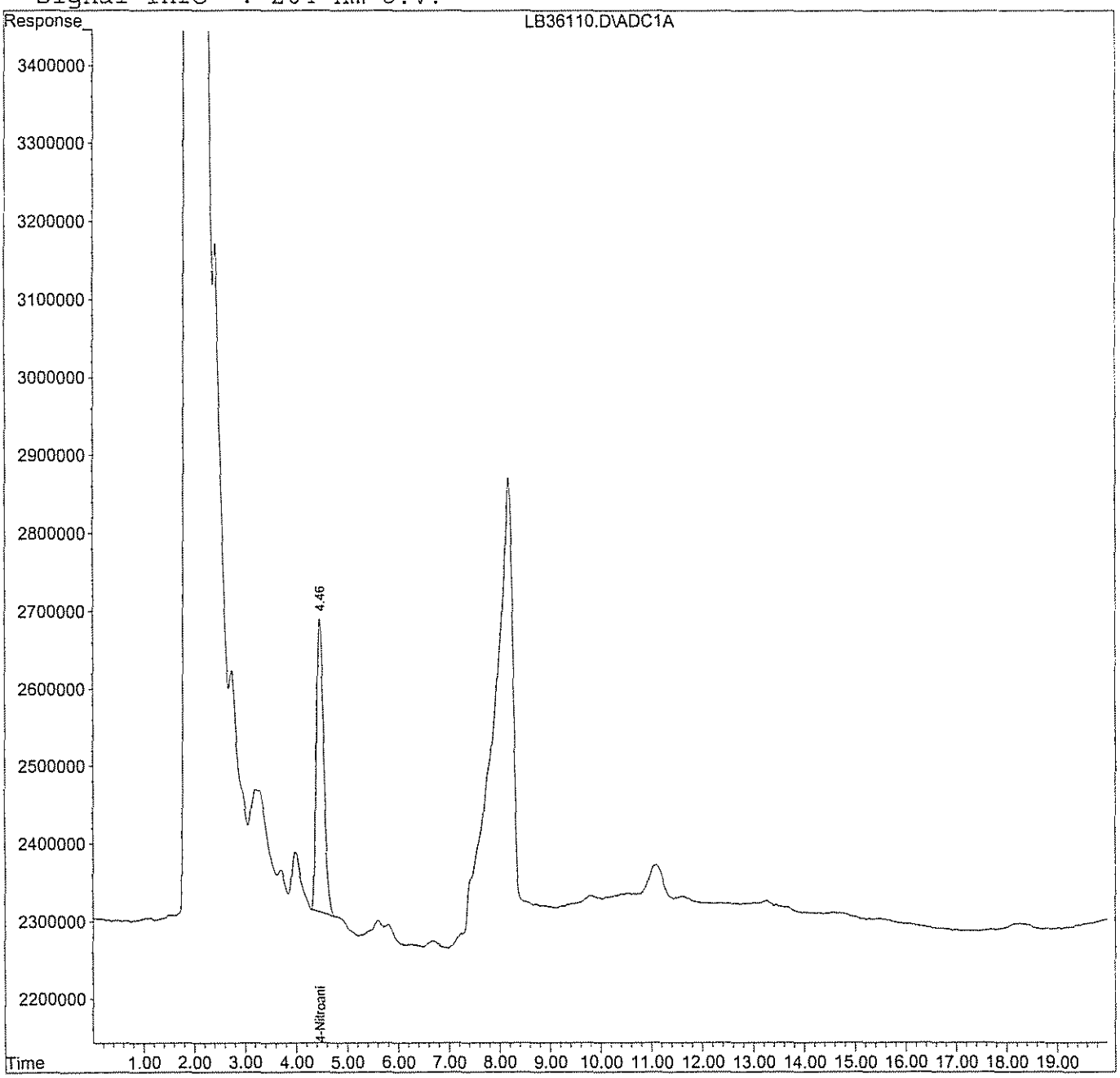
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36110.D Vial: 16
Acq On : 12 Sep 2006 13:23 Operator: ST.
Sample : 608156-009-017-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:27 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon May 15 15:56:17 2006

Calibration Files
LEV1 =LB34194.D LEV2 =LB34195.D LEV3 =LB34196.D
LEV4 =LB34197.D LEV5 =LB34198.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1)	S	4-Nitroaniline	3.203	3.007	2.859	2.855	2.884	2.962 E5	5.03
2)	T	PETN	2.070	2.202	2.072	2.035	2.080	2.092 E5	3.06

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34193.D Vial: 1
Acq On : 15 May 2006 13:47 Operator: ST.
Sample : PETN BLK Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:47 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	0.00	0	N.D. PPB
Spiked Amount 300.000		Recovery =	0.00%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

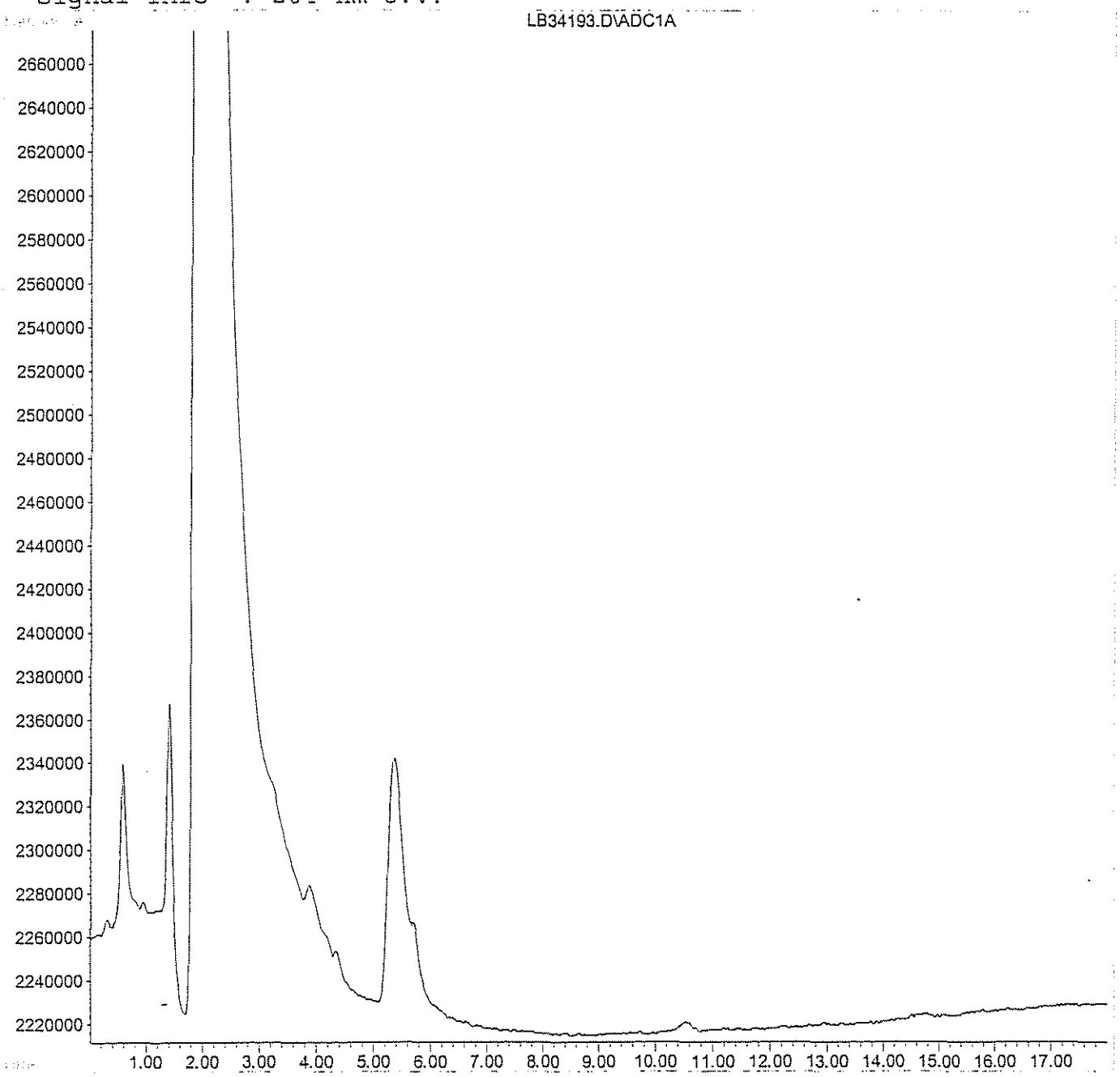
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34193.D Vial: 1
Acq On : 15 May 2006 13:47 Operator: ST.
Sample : PETN BLK Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:47 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34194.D Vial: 2
Acq On : 15 May 2006 14:06 Operator: ST.
Sample : PETN LEVEL-1 50PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:48 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.34	16017110	56.699 PPB m
Spiked Amount 300.000		Recovery =	18.90%
Target Compounds			
2) T PETN	16.73	10351119	44.864 PPB m

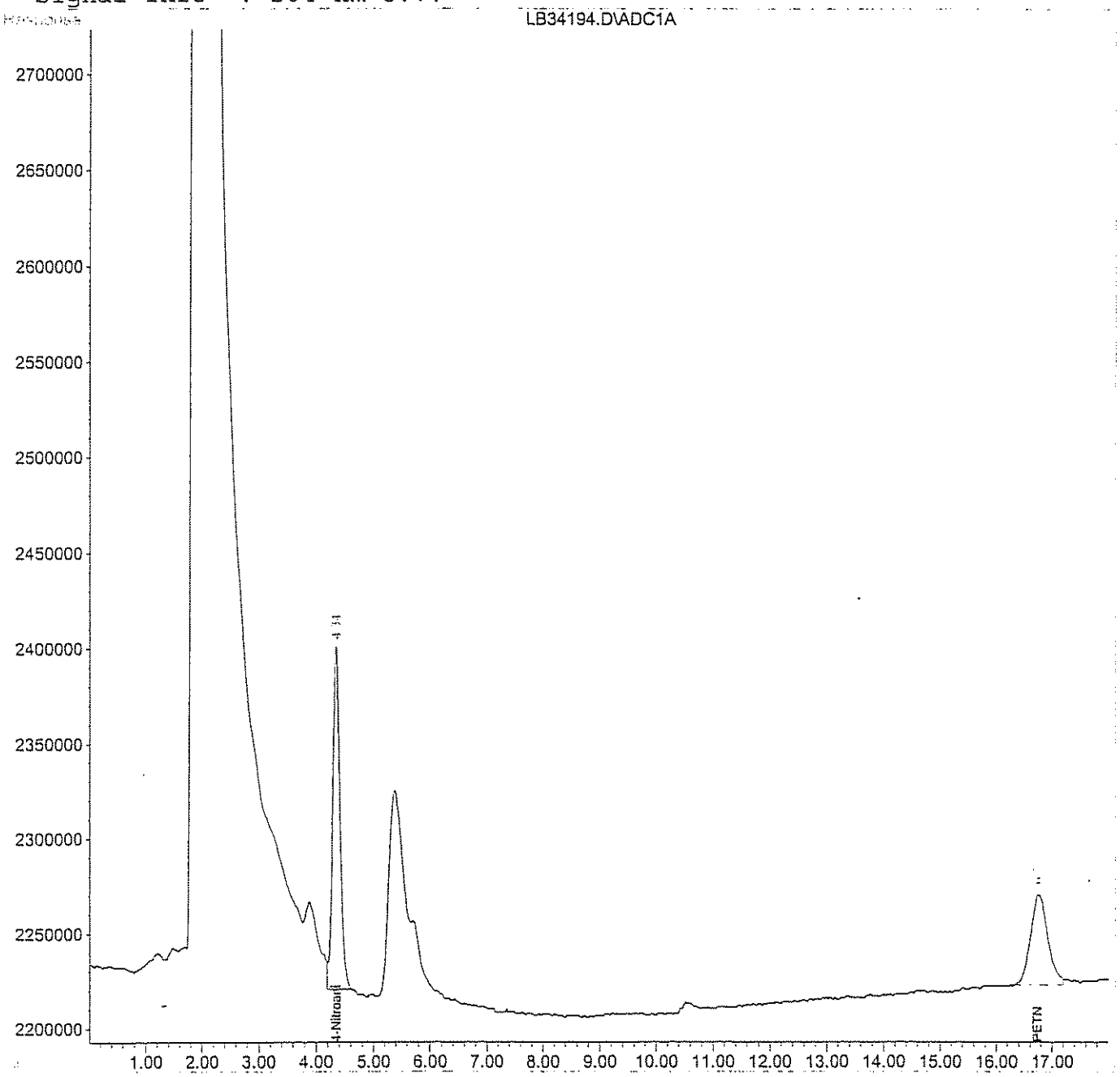
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34194.D Vial: 2
Acq On : 15 May 2006 14:06 Operator: ST.
Sample : PETN LEVEL-1 50PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:48 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34195.D Vial: 3
Acq On : 15 May 2006 14:26 Operator: ST.
Sample : PETN LEVEL-2 100PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:49 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.35	30072974	92.374 PPB m
Spiked Amount 300.000		Recovery =	30.79%
Target Compounds			
2) T PETN	16.75f	22021574	95.446 PPB m

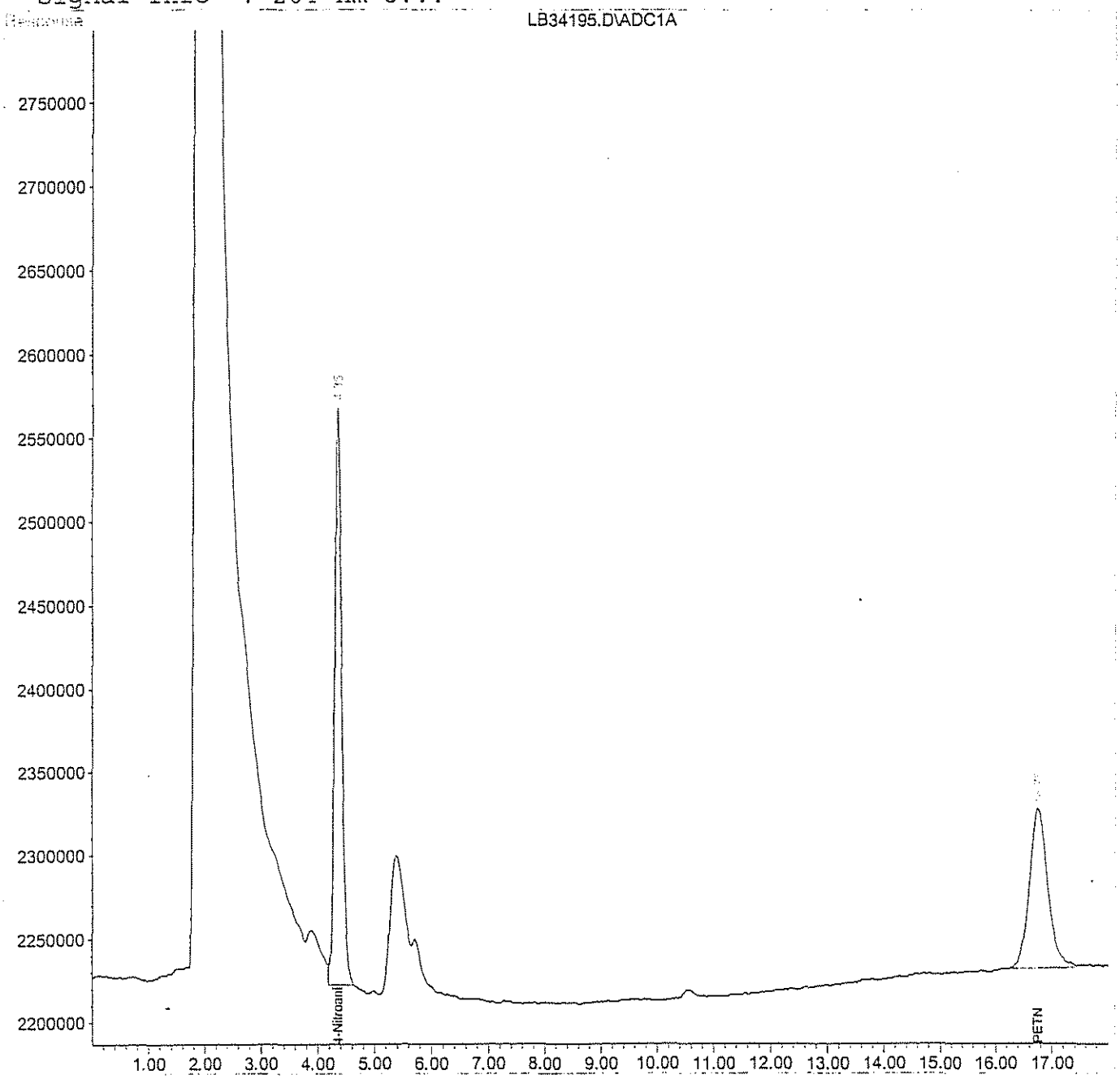
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34195.D Vial: 3
Acq On : 15 May 2006 14:26 Operator: ST.
Sample : PETN LEVEL-2 100PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:49 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34196.D Vial: 4
Acq On : 15 May 2006 14:45 Operator: ST.
Sample : PETN LEVEL-3 200PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:50 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.33	57174552	151.173	PPB	m
Spiked Amount 300.000		Recovery =	50.39%		
Target Compounds					
2) T PETN	16.71	41438731	175.209	PPB	m

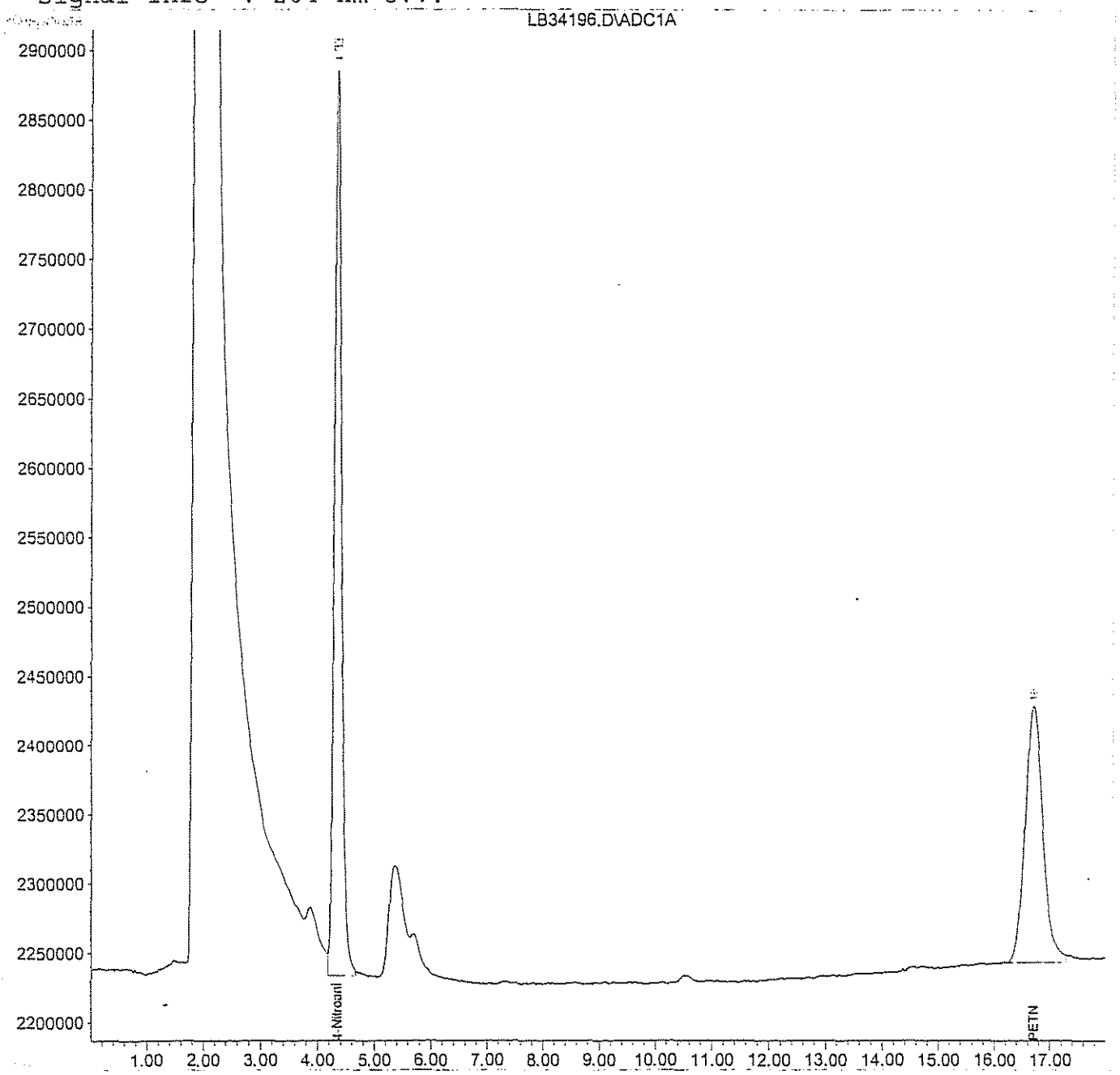
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34196.D Vial: 4
Acq On : 15 May 2006 14:45 Operator: ST.
Sample : PETN LEVEL-3 200PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:50 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34197.D Vial: 5
Acq On : 15 May 2006 15:04 Operator: ST.
Sample : PETN LEVEL-4 500PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:51 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.31	142725503	378.297	PPB	m
Spiked Amount 300.000		Recovery = 126.10%			
Target Compounds					
2) T PETN	16.61f	101760614	441.051	PPB	m

(f)=RT Delta > 1/2 Window (m)=manual int.

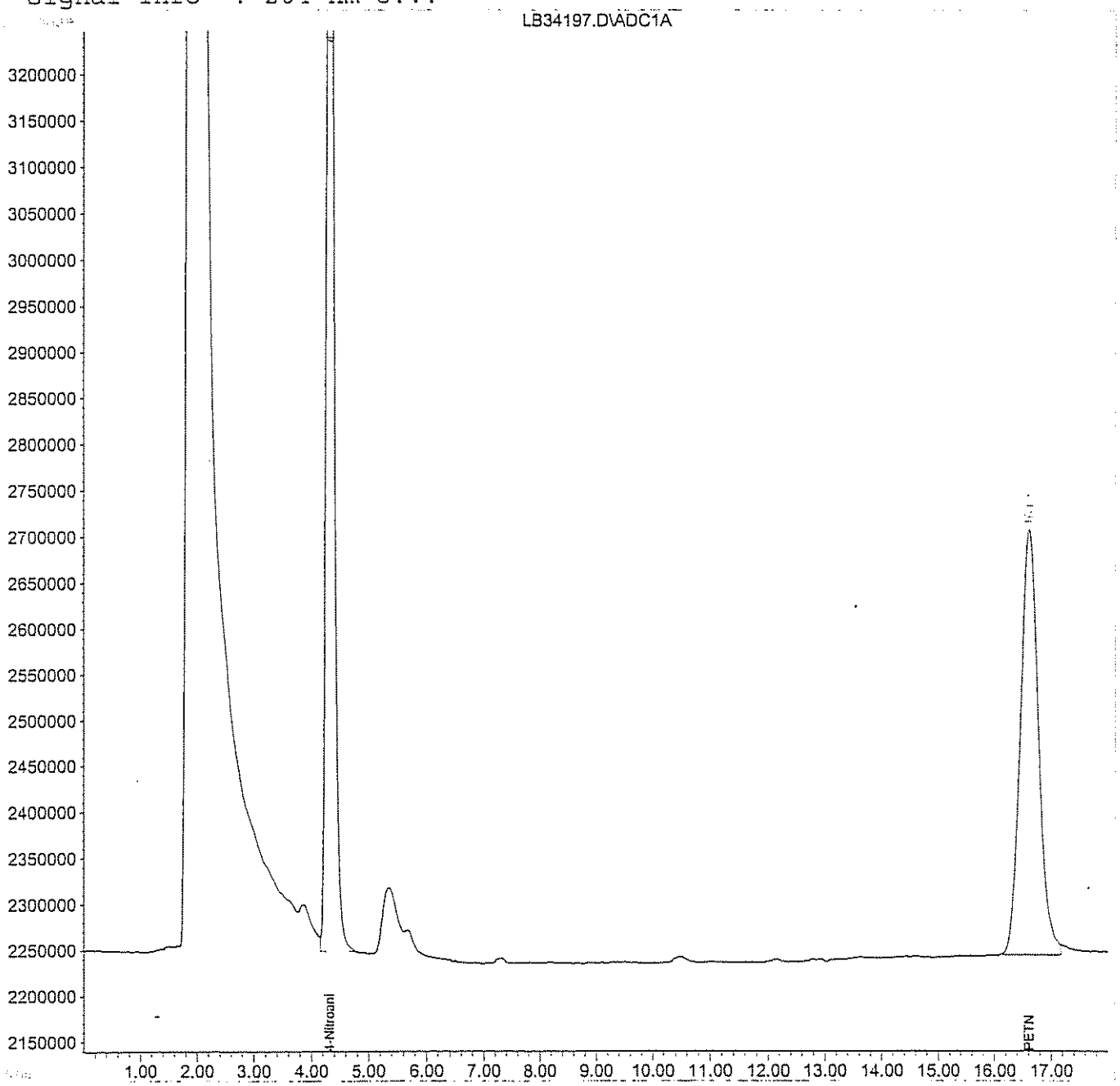
Camp Adair/Adair AFS - Appendix F 200-1e F10OR002908_01.09_0504_a 309

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34197.D Vial: 5
Acq On : 15 May 2006 15:04 Operator: ST.
Sample : PETN LEVEL-4 500PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:51 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34198.D Vial: 6
Acq On : 15 May 2006 15:23 Operator: ST.
Sample : PETN LEVEL-5 1000PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:53 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
1) S 4-Nitroaniline	4.32	288378522	747.978 PPB	m
Spiked Amount 300.000		Recovery =	249.33%	
Target Compounds				
2) T PETN	16.65f	207986062	901.454 PPB	m

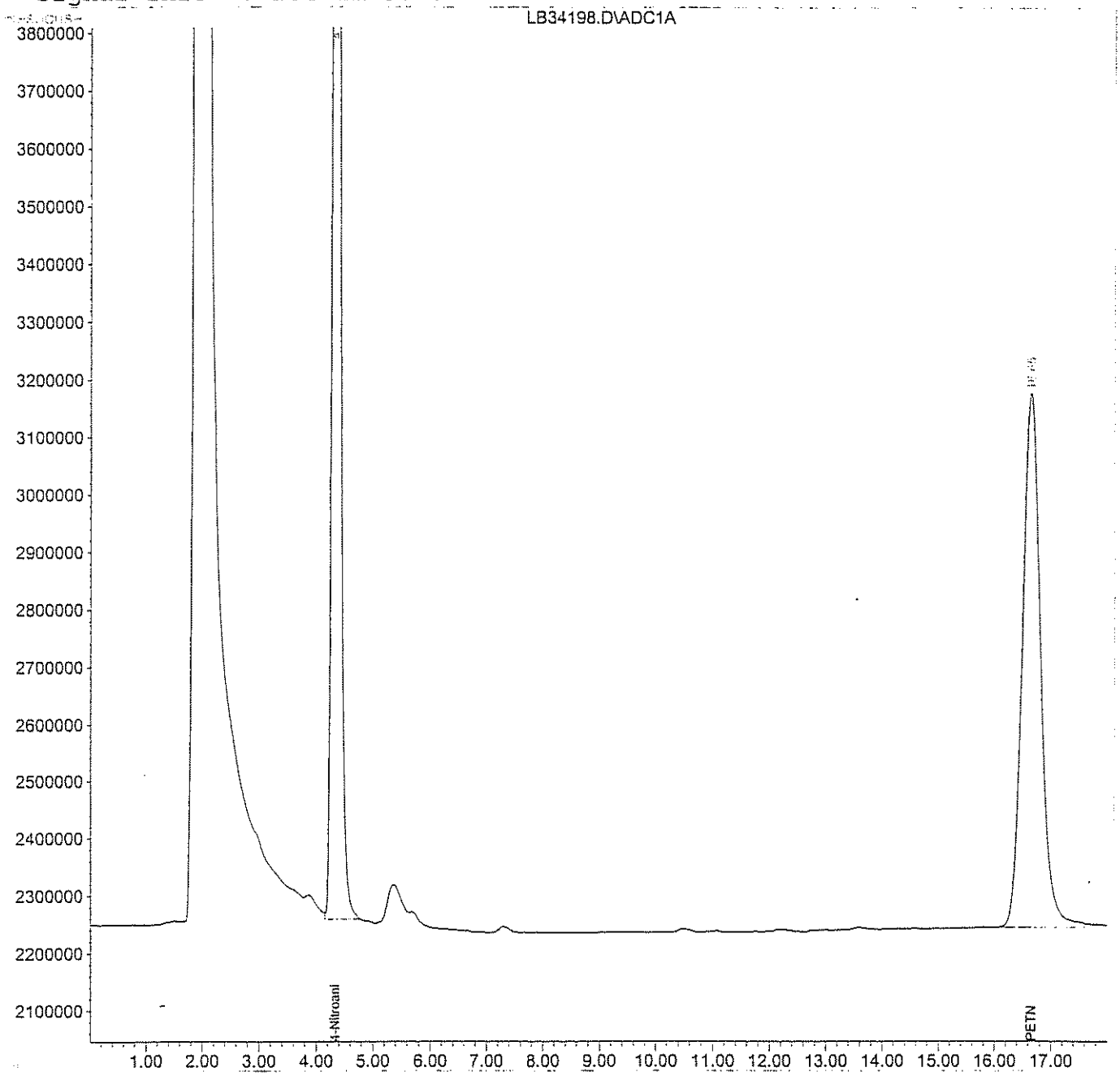
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34198.D Vial: 6
Acq On : 15 May 2006 15:23 Operator: ST.
Sample : PETN LEVEL-5 1000PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:53 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon May 15 16:18:30 2006
Response via : Initial Calibration

Continuing Calibration File: LB34199.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	296.155	281.981	E3	4.8	99
2	T	PETN	209.188	200.562	E3	4.1	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34199.D Vial: 7
Acq On : 15 May 2006 15:43 Operator: ST.
Sample : PETN ICV LEVEL-3 Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 16:14 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	0.00	0	N.D.	PPB	
Spiked Amount 300.000		Recovery =	0.00%		
Target Compounds					
2) T PETN	16.70	40112480	191.753	PPB	m

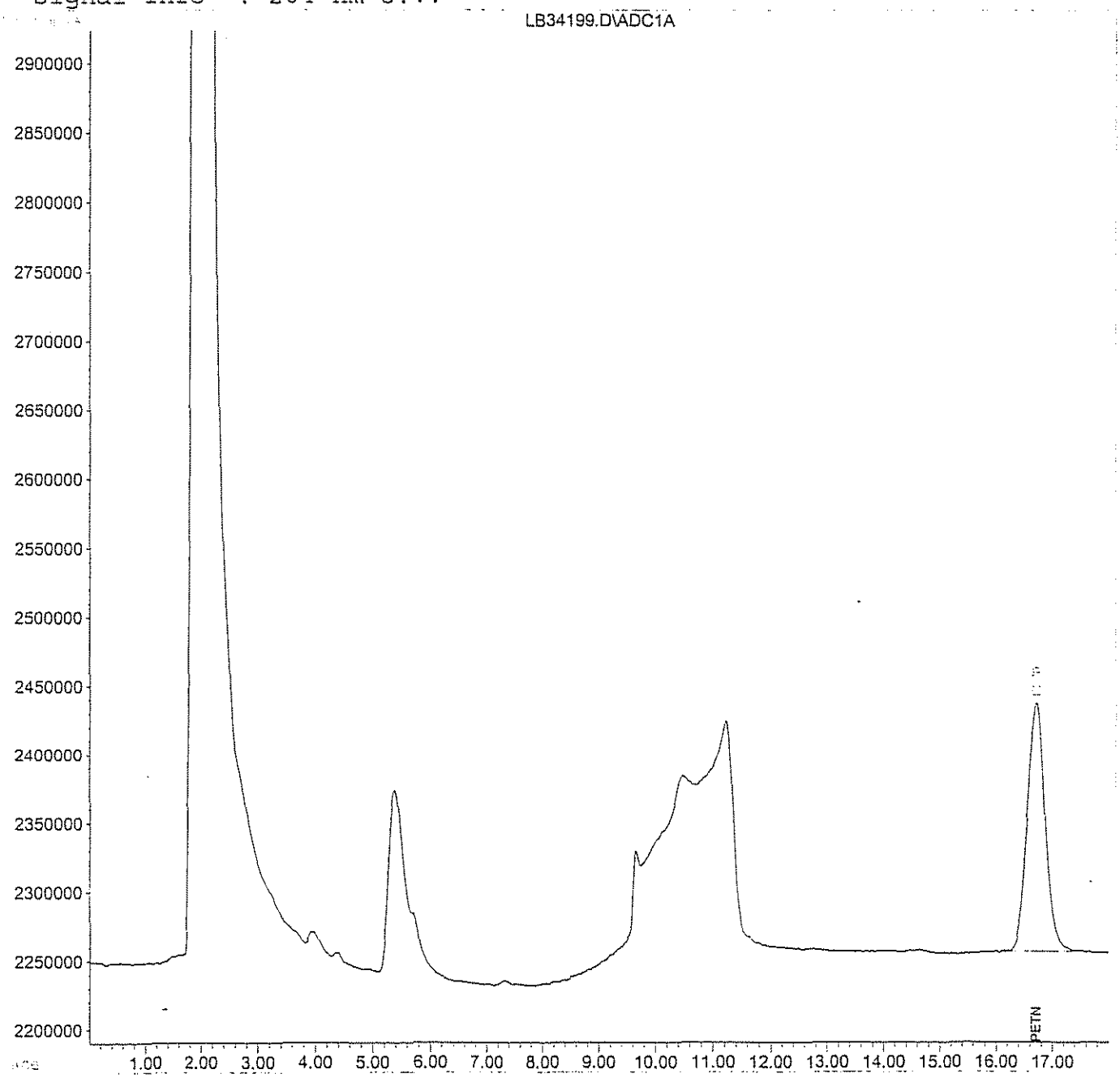
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34199.D Vial: 7
Acq On : 15 May 2006 15:43 Operator: ST.
Sample : PETN ICV LEVEL-3 Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 16:14 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



PETN RETENTION TIME WINDOW ESTABLISHMENT**

INTRUMENT: LCB
COLUMN: C18 ANALYST ST
DATE: 38852

	B34196D		LB34200D		E34205D					
COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std Dev	Avg PW	RT Window
PETN	16.71	0.37	16.70	0.38	16.73	0.36	16.71	0.046	0.37	0.185

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon Sep 18 11:31:27 2006
Response via : Initial Calibration

Continuing Calibration File: LB36094.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	296.155	256.130	E3	13.5	90
2	T	PETN	209.188	207.902	E3	0.6	100

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36094.D 6515PTN.M Mon Sep 18 11:31:43 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36094.D Vial: 1
Acq On : 12 Sep 2006 7:30 Operator: ST.
Sample : PETN-STD Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:54 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	51225995	175.998 PPB
Spiked Amount 300.000		Recovery =	58.67%
Target Compounds			
2) T PETN	18.39	41580311	198.770 PPB m

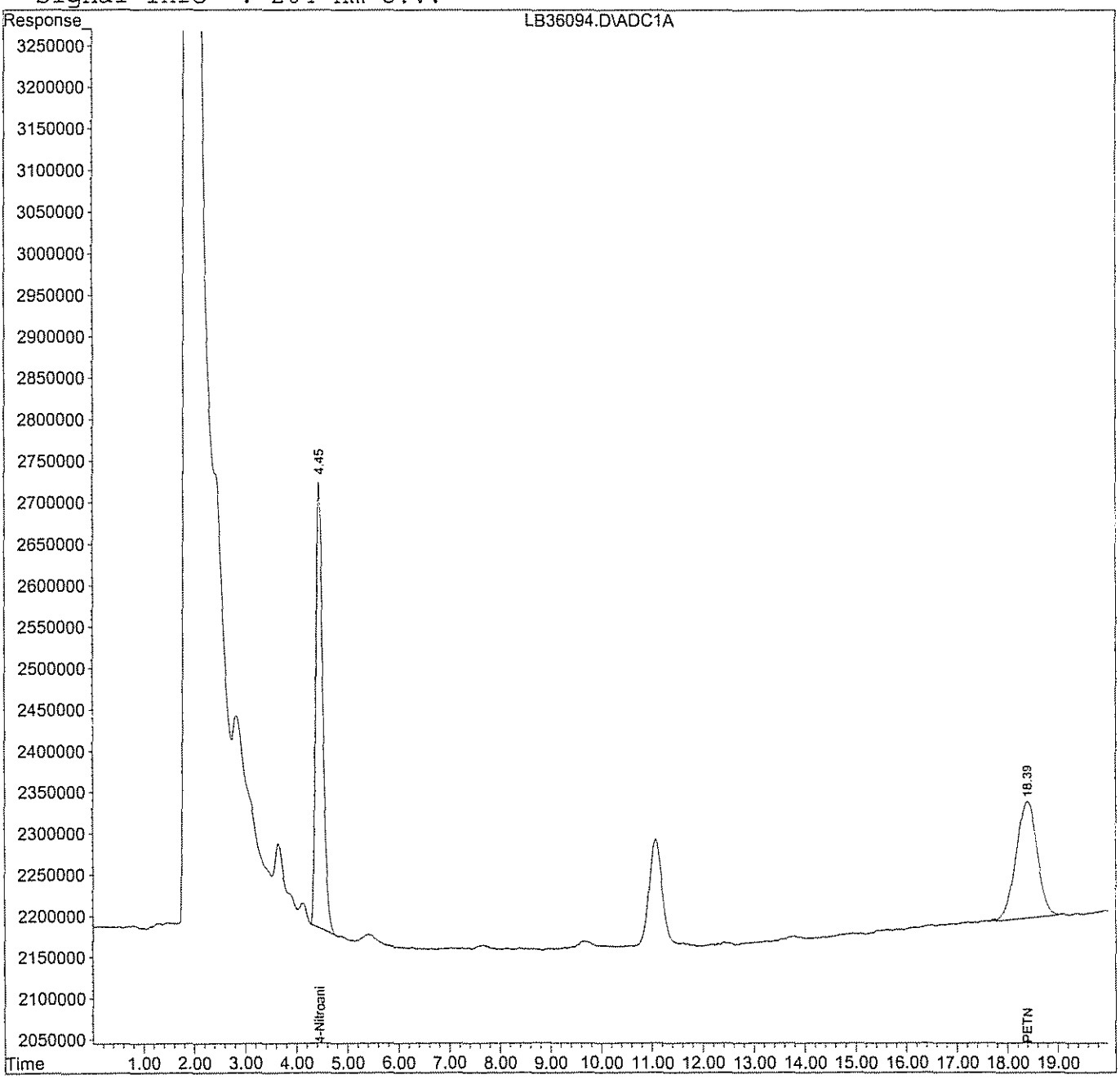
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36094.D Vial: 1
Acq On : 12 Sep 2006 7:30 Operator: ST.
Sample : PETN-STD Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:54 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36094.D 6515PTN.M Mon Sep 18 11:31:48 2006 RPT Page 2

Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon Sep 18 11:32:03 2006
Response via : Initial Calibration

Continuing Calibration File: LB36106.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	296.155	270.539	E3	8.6	95
2	T	PETN	209.188	187.943	E3	10.2	91

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36106.D Vial: 12
Acq On : 12 Sep 2006 11:58 Operator: ST.
Sample : PETN STD Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:32 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	54107711	186.045 PPB
Spiked Amount 300.000		Recovery =	62.02%
Target Compounds			
2) T PETN	18.37	37588518	179.688 PPB m

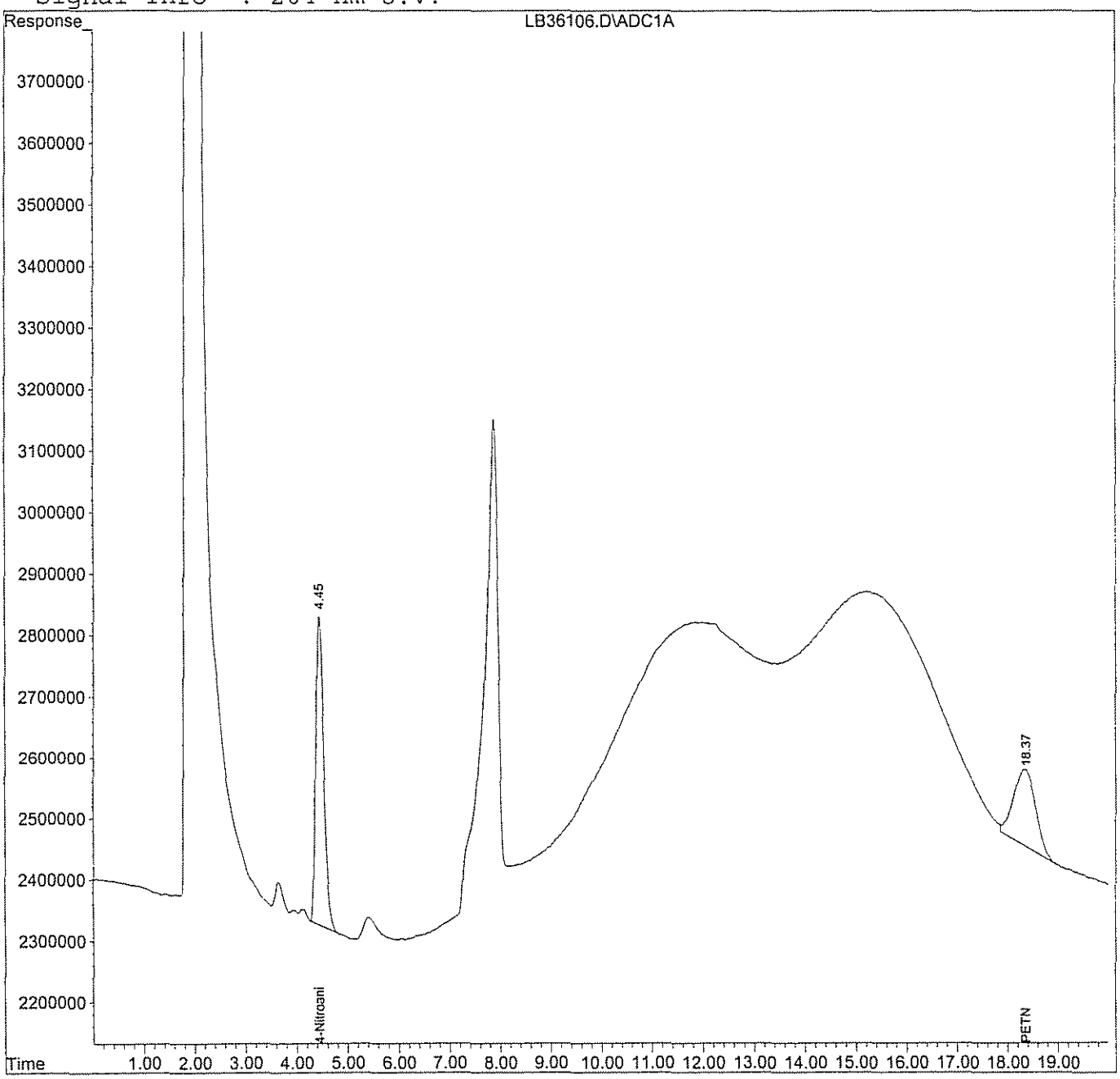
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36106.D Vial: 12
Acq On : 12 Sep 2006 11:58 Operator: ST.
Sample : PETN STD Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:32 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36106.D 6515PTN.M Mon Sep 18 11:32:10 2006 RPT Page 2

Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon Sep 18 11:32:17 2006
Response via : Initial Calibration

Continuing Calibration File: LB36117.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	296.155	282.258	E3	4.7	99
2	T	PETN	209.188	213.466	E3	-2.0	103

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36117.D 6515PTN.M Mon Sep 18 11:32:20 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36117.D Vial: 23
Acq On : 12 Sep 2006 15:52 Operator: ST.
Sample : PETN STD Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 16:19 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	56451613	194.216 PPB m
Spiked Amount 300.000		Recovery =	64.74%
Target Compounds			
2) T PETN	18.38	42693167	204.090 PPB m

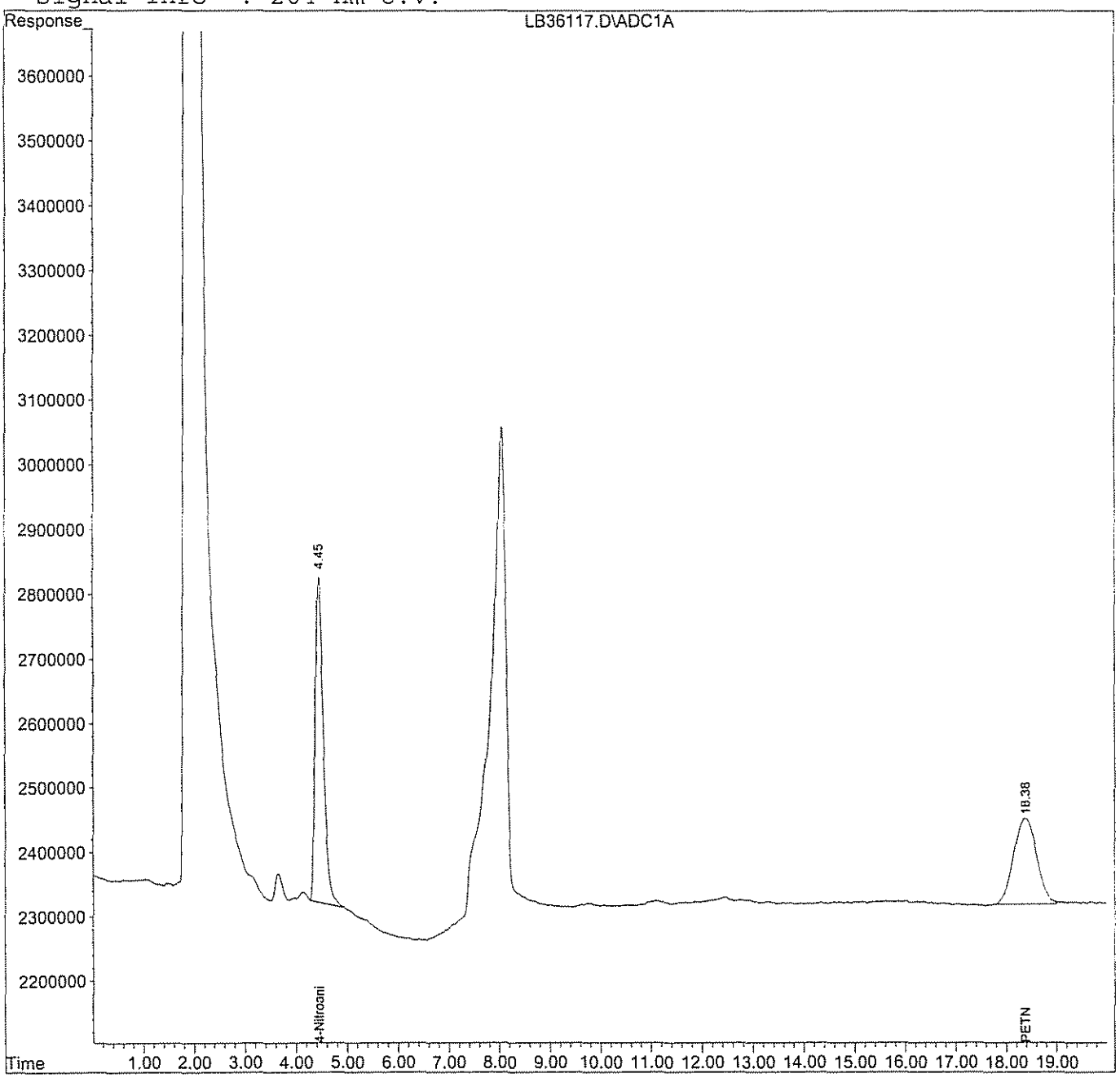
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36117.D Vial: 23
Acq On : 12 Sep 2006 15:52 Operator: ST.
Sample : PETN STD Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 16:19 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet
7. Retention Time Window (where applicable)

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK83546

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK83546
Sample Volume :	10	Lab File ID :	LB36096.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36096.D Vial: 2
Acq On : 12 Sep 2006 8:25 Operator: ST.
Sample : BLK83546 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 8:53 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	53141396	182.676 PPB m
Spiked Amount 300.000		Recovery =	60.89%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

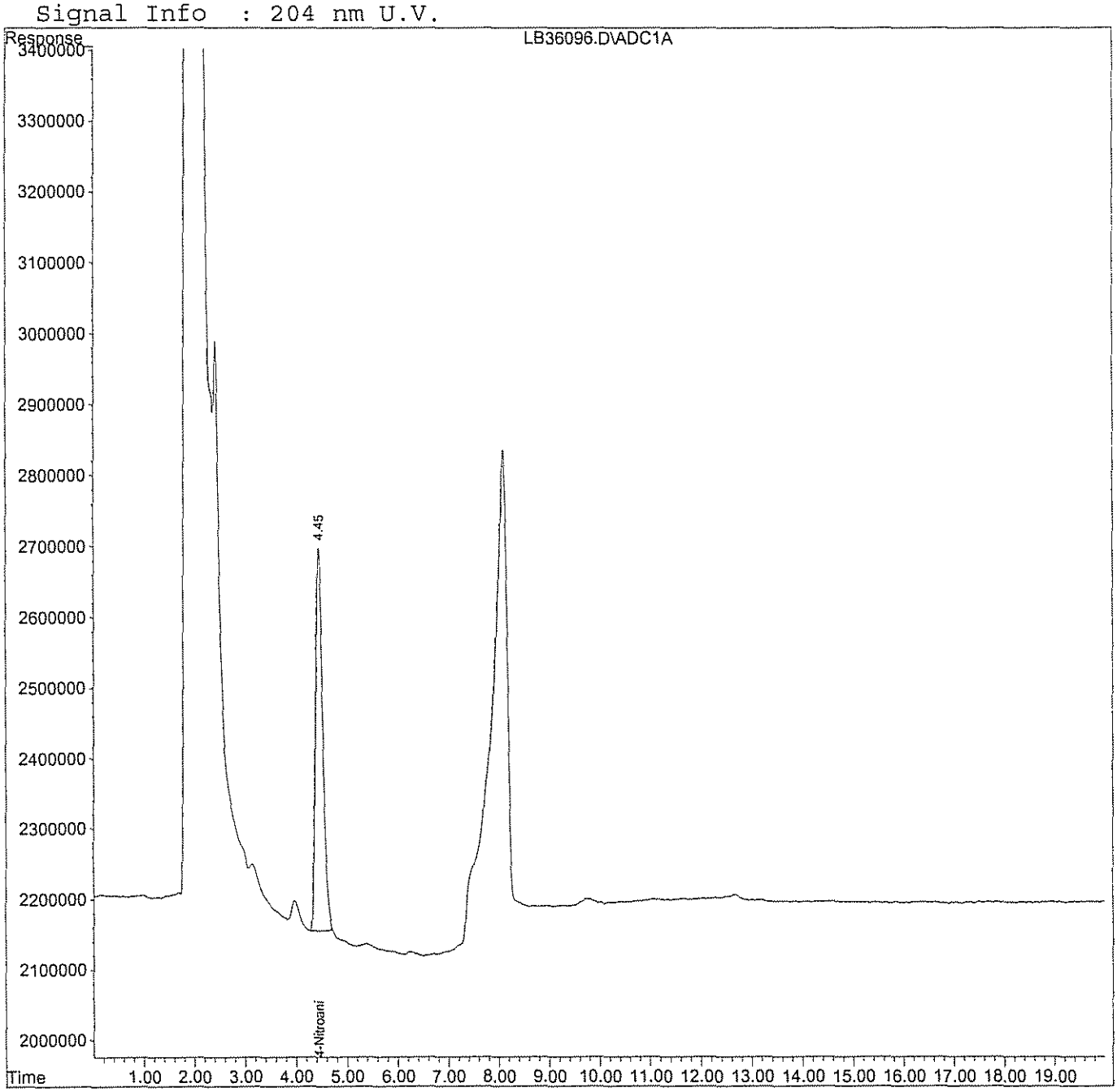
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36096.D Vial: 2
Acq On : 12 Sep 2006 8:25 Operator: ST.
Sample : BLK83546 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 8:53 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MS
Sample Volume :	10.02	Lab File ID :	LB36099.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.48	

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36099.D Vial: 5
Acq On : 12 Sep 2006 9:29 Operator: ST.
Sample : 608156-001-001-1/2MS Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:10 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.45	39404039	134.784	PPB	m
Spiked Amount 300.000		Recovery =	44.93%		
Target Compounds					
2) T PETN	18.31f	25317380	121.027	PPB	m

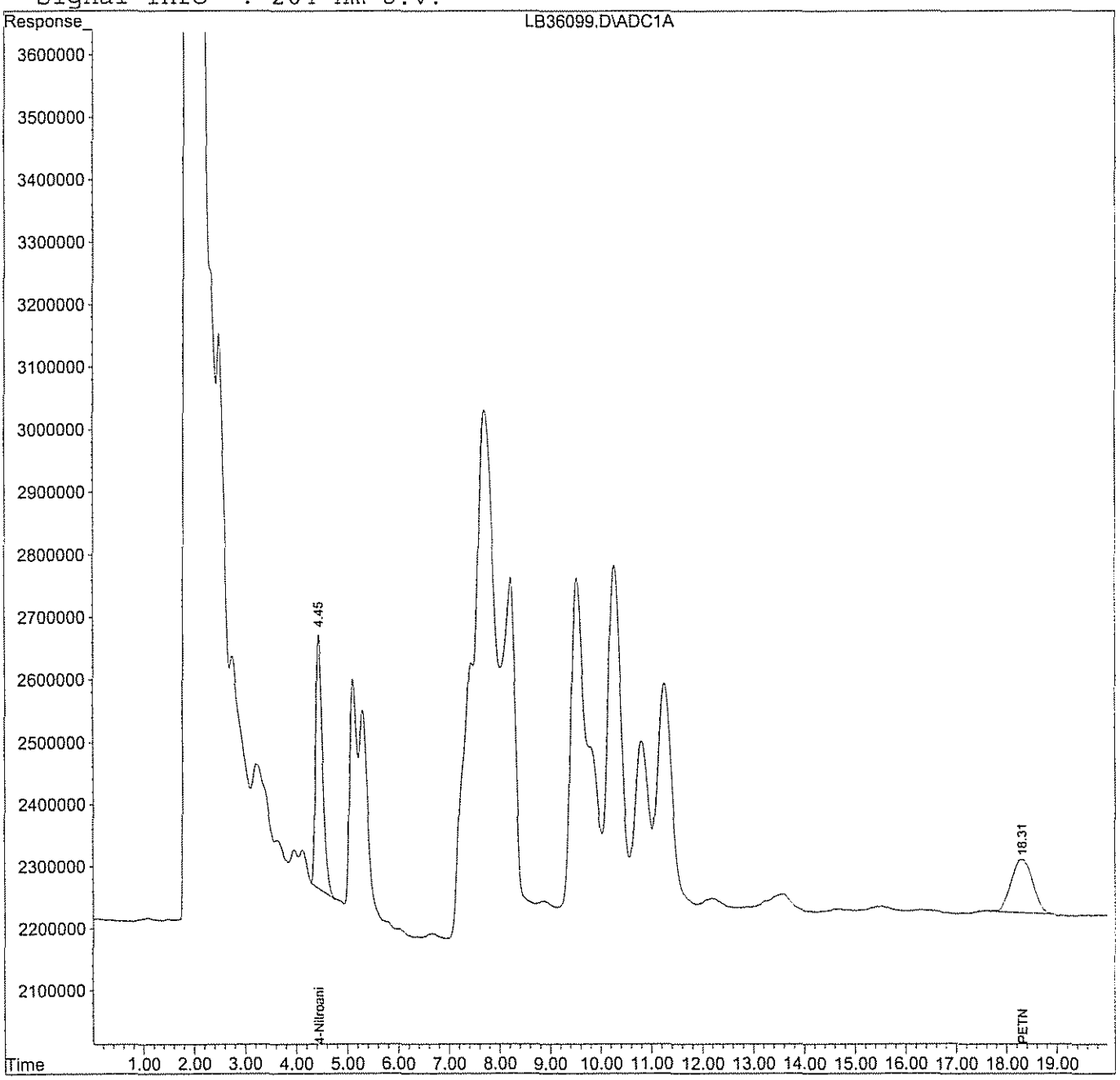
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36099.D Vial: 5
Acq On : 12 Sep 2006 9:29 Operator: ST.
Sample : 608156-001-001-1/2MS Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:10 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MSD
Sample Volume :	10.01	Lab File ID :	LB36100.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.50	

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36100.D Vial: 6
Acq On : 12 Sep 2006 9:50 Operator: ST.
Sample : 608156-001-001-1/2MSD Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:11 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.45	39839180	136.301	PPB	m
Spiked Amount 300.000		Recovery =	45.43%		
Target Compounds					
2) T PETN	18.29f	26125992	124.893	PPB	m

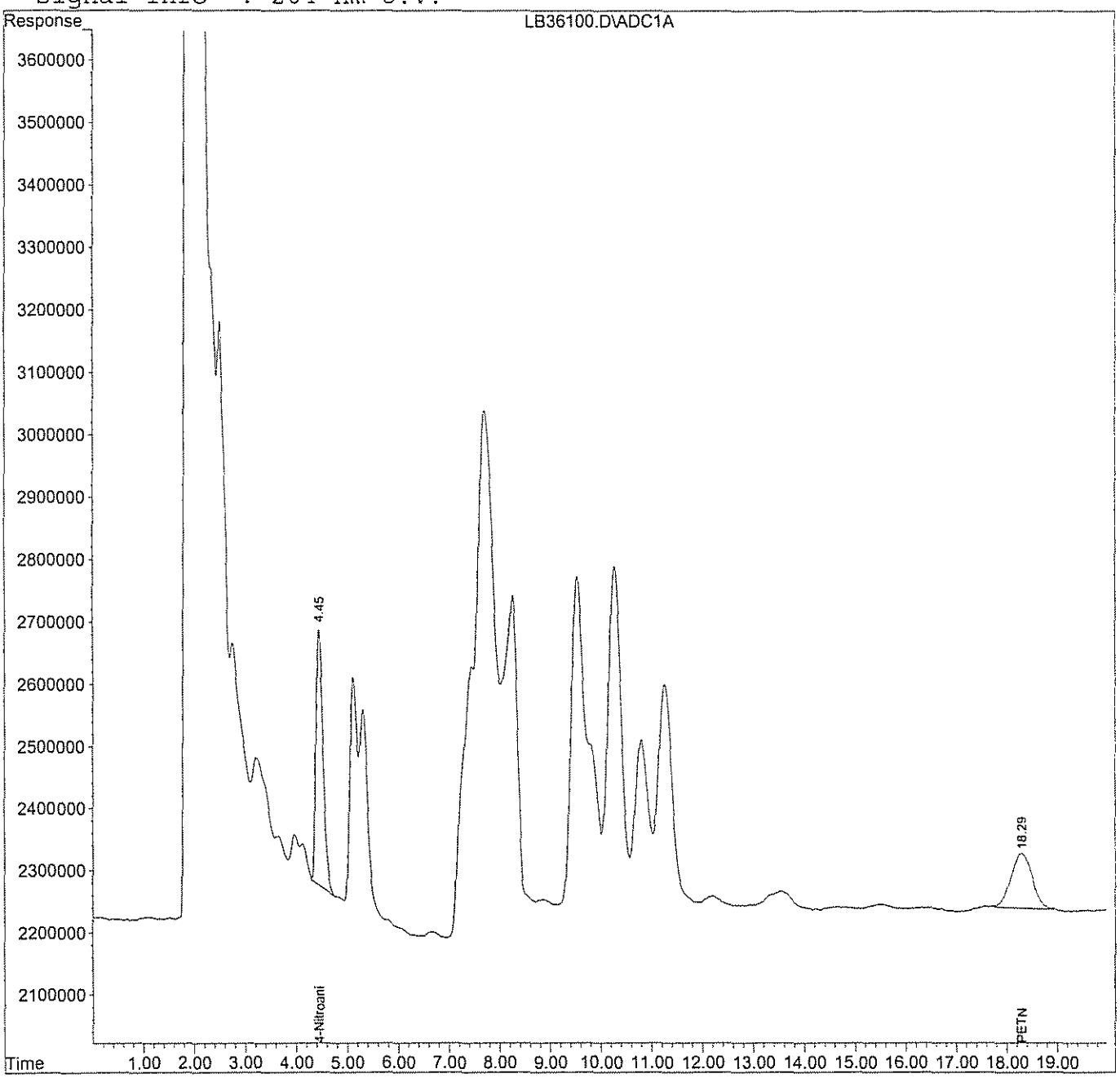
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36100.D Vial: 6
Acq On : 12 Sep 2006 9:50 Operator: ST.
Sample : 608156-001-001-1/2MSD Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:11 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS83546

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BKS83546
Sample Volume :	10	Lab File ID :	LB36097.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.45	

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36097.D Vial: 3
Acq On : 12 Sep 2006 8:46 Operator: ST.
Sample : BKS83546 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:09 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.46	51423648	176.687 PPB
Spiked Amount 300.000		Recovery =	58.90%
Target Compounds			
2) T PETN	18.33f	23659093	113.100 PPB m

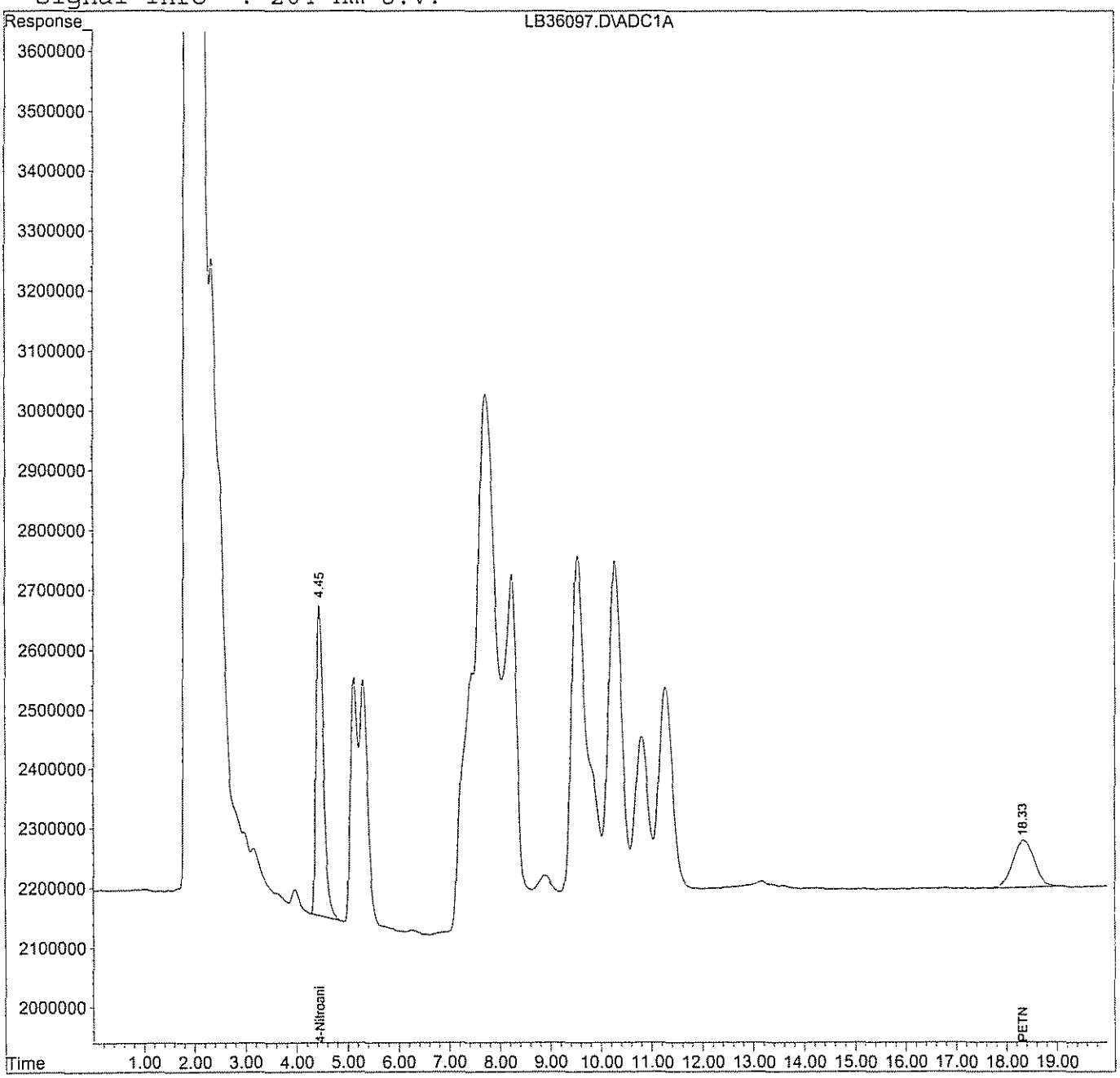
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36097.D Vial: 3
Acq On : 12 Sep 2006 8:46 Operator: ST.
Sample : BKS83546 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:09 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 09/05/06

Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NG (S)

Extraction Chemist: N-P Date: 9-1-06 Spike Witness: D.S.S.

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608156	BLK ~~83534~~ 83546	10.00	1.0	—	40.0
	BKS1	10.00		1.0 Ⓞ + 0.4 Ⓐ	
	001 MS1	10.02		↓	
	001 MSD1	10.01		↓	
	BKS2	10.00		1.0 *	
	001 MS2	10.00		↓	
	001 MSD2	10.02		↓	
	001	10.01		—	
	002	10.03			
	003	10.02			
	004	10.00			
	005	10.00			
	006	10.03			
	007	10.03			
	008	10.00			
↓	009	10.01			
608158	001	10.04			
	002	10.01			
↓	006	10.00			
608150	001	10.00			
↓	002	10.00			
608148	004	10.02			
	005	10.01			
↓	006	10.03	↓	↓	↓

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 Ⓞ Matrix Spike Conc.: 5.0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36672 Ⓐ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations:

Xenco 83534 for 8330 Soils wo's 608156, 608158, 608148

~~Xenco 83538 for 8330 Soils wo 608150~~

Xenco 83546 for 8330 Petn Ⓢ for wo's 608156, 608158, 608150

Xenco 83547 for 8330 NG Ⓢ for wo's 608156, 608158, 608150

EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 09/05/06 Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NG (s)

Extraction Chemist: N.P. Date: 9-1-06 Spike Witness: D.S.

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608148	007	10.00	1.0	—	40.0

NP 9-6-06

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 ⊙ Matrix Spike Conc.: 5.0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36672 ⓐ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations:

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B

Method File:	h:\lcdata\lcb\methods	Data File Path:	h:\lcdata\lcb\051506
Detector(s):	UV	Mobile Phase:	PETN-L49-56-30
Pump(s):	515	Flow Rate:	1.2ml/min.
Autosampler:	717	Detector Wavelength:	204nm.
Column:	C-18	Injection Volume:	100uL.

ICAL Method: 6515PETN.m Analyst: ST. Reviewed by: S.S Date: 05/16/06

File	Lab ID	Date	Dilution	Matrix	Comments
LB 34193	PETN BLK	05/15/06	1	STD	
LB 94	LEV-1 50PPB				
LB 95	LEV-2 100PPB				
LB 96	LEV-3 200PPB				
LB 97	LEV-4 500PPB				OK
LB 98	LEV-5 1000PPB				
LB 99	ICV 200PPB				
LB 200	STD 200PPB				
LB 01	BLK —			Rinse	
LB					
LB					
LB					
LB					
LB					
LB					
LB		05/15/06			
LB					
LB	ST.				
LB					
LB					
LB					
LB					
LB					

Remarks	Standard	Solution ID	Conc.	Date Prep.
#89907 (5%)	PETN STD	#36886	10ppm	05/10/06
OK	4-Nitroaniline	#36170	10ppm	02/14/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B

Method File:	h:\lcdata\lcb\methods	Data File Path:	h:\lcdata\lcb\091206
Detector(s):	UV	Mobile Phase:	PETN-L49-61-30
Pump(s):	515 Waters	Flow Rate:	1.2 ml/min
Autosampler:	717 Waters	Detector Wavelength:	204 nm
Column:	LC-18	Injection Volume:	100 uL

ICAL Method: 6515PETN Analyst: STr Reviewed by: AG Date: 09/15/06

Injection Log

Directory: h:\lcdata\lcb\091206

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injectec
1	1	lb36093.d	1.	PETN-STD	CCAL	12 Sep
2	1	lb36094.d	1.	PETN-STD	CCAL	12 Sep
3	1	lb36095.d	1.	BKS83381 X100 ok.	WATER	12 Sep
4	2	lb36096.d	1.	BLK83546	SOIL	12 Sep
5	3	lb36097.d	1.	BKS83546	SOIL	12 Sep
6	4	lb36098.d	1.	608156-001-001-1/2	SOIL	12 Sep
7	5	lb36099.d	1.	608156-001-001-1/2MS	SOIL	12 Sep
8	6	lb36100.d	1.	608156-001-001-1/2MSD	SOIL	12 Sep
9	7	lb36101.d	1.	608156-002-001-1/2	SOIL	12 Sep
10	8	lb36102.d	1.	608156-003-005-1/2	SOIL	12 Sep
11	9	lb36103.d	1.	608156-004-007-1/2	SOIL	12 Sep
12	10	lb36104.d	1.	608156-005-009-1/2	SOIL	12 Sep
13	11	lb36105.d	1.	RINSE	SOIL	12 Sep
14	12	lb36106.d	1.	PETN STD	CONT CAL	12 Sep
15	13	lb36107.d	1.	608156-006-011-1/2	SOIL	12 Sep
16	14	lb36108.d	1.	608156-007-013-1/2	SOIL	12 Sep
17	15	lb36109.d	1.	608156-008-015-1/2	SOIL	12 Sep
18	16	lb36110.d	1.	608156-009-017-1/2	SOIL	12 Sep
19	17	lb36111.d	1.	608158-001-003-1/2	SOIL	12 Sep
20	18	lb36112.d	1.	608158-002-005-1/2	SOIL	12 Sep
21	19	lb36113.d	1.	608158-006-009-1/2	SOIL	12 Sep
22	20	lb36114.d	1.	608150-001-003-1/2	SOIL	12 Sep
23	21	lb36115.d	1.	608150-002-004-1/1	SOIL	12 Sep
24	22	lb36116.d	1.	BKS83381 X100	WATER	12 Sep
25	23	lb36117.d	1.	PETN STD	CONT CAL	12 Sep
26	24	lb36118.d	1.	PETN STD	CONT CAL	12 Sep

LB					
LB					
LB					

Remarks	Standard	Solution ID	Conc.	Date Prep.
	Petn Std	#38042	10 ppm	07/07/06
	4-Nitroanilie	#37558	10ppm	07/27/06

TRACE METALS

GPL Laboratories

USEPA - CLP

COVER PAGE

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 608156

SOW No.: SW846

EPA Sample No.	Lab Sample ID
NWO-017-0021	S 608158-005-011-1/6
NWO-017-0021 MS	SP608158-005-011-1/6
NWO-017-0021 MSD	SD608158-005-011-1/6
NWO-017-0022	S 608156-001-001-1/2
NWO-017-0023	S 608156-002-003-1/2
NWO-017-0027	S 608156-004-007-1/2
NWO-017-0028	S 608156-005-009-1/2
NWO-017-0030	S 608156-006-011-1/2
NWO-017-0046	S 608156-007-013-1/2
NWO-017-0046 MS	SP608156-007-013-1/2
NWO-017-0046 MSD	SD608156-007-013-1/2
NWO-017-1003	S 608156-003-005-1/2
NWO-017-1012	S 608156-008-015-1/2
NWO-017-1013	S 608156-009-017-1/2

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
if yes, were raw data generated before application of background corrections?	(Yes/No)	NO	YES

Comments:

I certify that this Sample 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 Sample Data Package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as referred by the following signature.

Signature: Name: Kelvin K-C. CHU

Date: 9/11/2006 Title: Chemist

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-001-001-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0022	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.2	82.0	22800	D	10	09/08/06 22:43
Antimony	121	0.14	0.82	0.14	UND	10	09/08/06 22:43
Barium	137	0.19	4.1	146	NDB	10	09/08/06 22:43
Cadmium	110	0.11	0.41	0.22	JD	10	09/08/06 22:43
Chromium	52	0.23	1.6	29.2	EDB	10	09/08/06 22:43
Cobalt	59	0.014	0.41	24.1	DB	10	09/08/06 22:43
Copper	65	0.16	1.6	28.8	D	10	09/08/06 22:43
Iron	56	2.6	41.0	31900	D	10	09/08/06 22:43
Lead	208	0.065	1.6	13.6	D	10	09/08/06 22:43
Magnesium	25	1.5	82.0	3760	D	10	09/08/06 22:43
Manganese	55	0.047	1.6	806	D	10	09/08/06 22:43
Molybdenum	95	0.24	4.1	0.60	JD	10	09/08/06 22:43
Nickel	60	0.072	0.82	13.8	D	10	09/08/06 22:43
Strontium	88	0.075	1.6	41.4	D	10	09/08/06 22:43
Titanium	47	0.25	1.6	539	D	10	09/08/06 22:43
Zinc	66	0.40	8.2	52.1	EDB	10	09/08/06 22:43

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-001-001-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0022	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0088	0.030	0.089		1	09/11/06 15:16

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP
Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-002-003-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0023	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.0	73.0	15200	D	10	09/08/06 22:49
Antimony	121	0.12	0.73	0.12	UND	10	09/08/06 22:49
Barium	137	0.17	3.6	96.1	NDB	10	09/08/06 22:49
Cadmium	110	0.10	0.36	0.13	JD	10	09/08/06 22:49
Chromium	52	0.20	1.5	23.6	EDB	10	09/08/06 22:49
Cobalt	59	0.012	0.36	8.8	DB	10	09/08/06 22:49
Copper	65	0.15	1.5	11.9	D	10	09/08/06 22:49
Iron	56	2.3	36.5	26400	D	10	09/08/06 22:49
Lead	208	0.058	1.5	7.9	D	10	09/08/06 22:49
Magnesium	25	1.3	73.0	858	D	10	09/08/06 22:49
Manganese	55	0.042	1.5	600	D	10	09/08/06 22:49
Molybdenum	95	0.21	3.6	0.34	JD	10	09/08/06 22:49
Nickel	60	0.064	0.73	7.4	D	10	09/08/06 22:49
Strontium	88	0.067	1.5	6.0	D	10	09/08/06 22:49
Titanium	47	0.22	1.5	360	D	10	09/08/06 22:49
Zinc	66	0.36	7.3	28.6	EDB	10	09/08/06 22:49

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-002-003-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0023	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0084	0.029	0.034		1	09/11/06 15:23

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-003-005-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1003	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.2	81.3	19200	D	10	09/08/06 22:55
Antimony	121	0.14	0.81	0.14	UND	10	09/08/06 22:55
Barium	137	0.19	4.1	142	NDB	10	09/08/06 22:55
Cadmium	110	0.11	0.41	0.16	JD	10	09/08/06 22:55
Chromium	52	0.23	1.6	23.8	EDB	10	09/08/06 22:55
Cobalt	59	0.014	0.41	12.4	DB	10	09/08/06 22:55
Copper	65	0.16	1.6	12.1	D	10	09/08/06 22:55
Iron	56	2.6	40.7	27800	D	10	09/08/06 22:55
Lead	208	0.064	1.6	11.9	D	10	09/08/06 22:55
Magnesium	25	1.5	81.3	1730	D	10	09/08/06 22:55
Manganese	55	0.046	1.6	712	D	10	09/08/06 22:55
Molybdenum	95	0.24	4.1	0.36	JD	10	09/08/06 22:55
Nickel	60	0.072	0.81	10.6	D	10	09/08/06 22:55
Strontium	88	0.075	1.6	39.0	D	10	09/08/06 22:55
Titanium	47	0.24	1.6	206	D	10	09/08/06 22:55
Zinc	66	0.40	8.1	34.3	EDB	10	09/08/06 22:55

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-003-005-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1003	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0083	0.028	0.058		1	09/11/06 15:25

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-004-007-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0027	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.3	84.0	21500	D	10	09/08/06 23:01
Antimony	121	0.14	0.84	0.19	JND	10	09/08/06 23:01
Barium	137	0.19	4.2	179	NDB	10	09/08/06 23:01
Cadmium	110	0.12	0.42	0.30	JD	10	09/08/06 23:01
Chromium	52	0.24	1.7	27.5	EDB	10	09/08/06 23:01
Cobalt	59	0.014	0.42	14.9	DB	10	09/08/06 23:01
Copper	65	0.17	1.7	39.6	D	10	09/08/06 23:01
Iron	56	2.7	42.0	32100	D	10	09/08/06 23:01
Lead	208	0.066	1.7	13.0	D	10	09/08/06 23:01
Magnesium	25	1.5	84.0	4880	D	10	09/08/06 23:01
Manganese	55	0.048	1.7	740	D	10	09/08/06 23:01
Molybdenum	95	0.24	4.2	0.61	JD	10	09/08/06 23:01
Nickel	60	0.074	0.84	18.8	D	10	09/08/06 23:01
Strontium	88	0.077	1.7	41.0	D	10	09/08/06 23:01
Titanium	47	0.25	1.7	1560	D	10	09/08/06 23:01
Zinc	66	0.41	8.4	82.3	EDB	10	09/08/06 23:01

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-004-007-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0027	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0088	0.030	0.041		1	09/11/06 15:28

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-005-009-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0028	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.1	78.1	24100	D	10	09/08/06 23:07
Antimony	121	0.13	0.78	0.16	JND	10	09/08/06 23:07
Barium	137	0.18	3.9	168	NDB	10	09/08/06 23:07
Cadmium	110	0.11	0.39	0.31	JD	10	09/08/06 23:07
Chromium	52	0.22	1.6	29.1	EDB	10	09/08/06 23:07
Cobalt	59	0.013	0.39	16.0	DB	10	09/08/06 23:07
Copper	65	0.16	1.6	18.6	D	10	09/08/06 23:07
Iron	56	2.5	39.1	31300	D	10	09/08/06 23:07
Lead	208	0.062	1.6	14.9	D	10	09/08/06 23:07
Magnesium	25	1.4	78.1	4590	D	10	09/08/06 23:07
Manganese	55	0.045	1.6	856	D	10	09/08/06 23:07
Molybdenum	95	0.23	3.9	0.48	JD	10	09/08/06 23:07
Nickel	60	0.069	0.78	17.8	D	10	09/08/06 23:07
Strontium	88	0.072	1.6	23.4	D	10	09/08/06 23:07
Titanium	47	0.23	1.6	1680	D	10	09/08/06 23:07
Zinc	66	0.38	7.8	71.9	EDB	10	09/08/06 23:07

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-005-009-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0028	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0095	0.033	0.024	J	1	09/11/06 15:30

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP
Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-006-011-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0030	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.2	82.0	21600	D	10	09/08/06 23:13
Antimony	121	0.14	0.82	0.16	JND	10	09/08/06 23:13
Barium	137	0.19	4.1	141	NDB	10	09/08/06 23:13
Cadmium	110	0.11	0.41	0.24	JD	10	09/08/06 23:13
Chromium	52	0.23	1.6	31.6	EDB	10	09/08/06 23:13
Cobalt	59	0.014	0.41	22.5	DB	10	09/08/06 23:13
Copper	65	0.16	1.6	36.7	D	10	09/08/06 23:13
Iron	56	2.6	41.0	37100	D	10	09/08/06 23:13
Lead	208	0.065	1.6	22.9	D	10	09/08/06 23:13
Magnesium	25	1.5	82.0	2890	D	10	09/08/06 23:13
Manganese	55	0.047	1.6	724	D	10	09/08/06 23:13
Molybdenum	95	0.24	4.1	0.55	JD	10	09/08/06 23:13
Nickel	60	0.072	0.82	13.5	D	10	09/08/06 23:13
Strontium	88	0.075	1.6	27.9	D	10	09/08/06 23:13
Titanium	47	0.25	1.6	312	D	10	09/08/06 23:13
Zinc	66	0.40	8.2	59.5	EDB	10	09/08/06 23:13

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-006-011-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0030	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0093	0.032	0.086		1	09/11/06 15:32

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-007-013-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0046	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.3	84.7	25000	D	10	09/08/06 23:20
Antimony	121	0.14	0.85	0.14	UND	10	09/08/06 23:20
Barium	137	0.19	4.2	157	NDB	10	09/08/06 23:20
Cadmium	110	0.12	0.42	0.27	JD	10	09/08/06 23:20
Chromium	52	0.24	1.7	31.8	EDB	10	09/08/06 23:20
Cobalt	59	0.014	0.42	17.8	DB	10	09/08/06 23:20
Copper	65	0.17	1.7	20.4	D	10	09/08/06 23:20
Iron	56	2.7	42.4	32800	D	10	09/08/06 23:20
Lead	208	0.067	1.7	11.6	D	10	09/08/06 23:20
Magnesium	25	1.5	84.7	4410	D	10	09/08/06 23:20
Manganese	55	0.048	1.7	830	D	10	09/08/06 23:20
Molybdenum	95	0.25	4.2	0.28	JD	10	09/08/06 23:20
Nickel	60	0.075	0.85	14.3	D	10	09/08/06 23:20
Strontium	88	0.078	1.7	25.4	D	10	09/08/06 23:20
Titanium	47	0.25	1.7	1010	D	10	09/08/06 23:20
Zinc	66	0.42	8.5	53.0	EDB	10	09/08/06 23:20

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-007-013-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0046	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0086	0.030	0.038		1	09/11/06 15:34

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP
Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-008-015-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1012	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.2	83.3	12300	D	10	09/08/06 23:38
Antimony	121	0.14	0.83	0.14	UND	10	09/08/06 23:38
Barium	137	0.19	4.2	76.0	NDB	10	09/08/06 23:38
Cadmium	110	0.12	0.42	0.18	JD	10	09/08/06 23:38
Chromium	52	0.23	1.7	19.9	EDB	10	09/08/06 23:38
Cobalt	59	0.014	0.42	17.2	DB	10	09/08/06 23:38
Copper	65	0.17	1.7	14.1	D	10	09/08/06 23:38
Iron	56	2.7	41.7	21200	D	10	09/08/06 23:38
Lead	208	0.066	1.7	5.0	D	10	09/08/06 23:38
Magnesium	25	1.5	83.3	1920	D	10	09/08/06 23:38
Manganese	55	0.048	1.7	939	D	10	09/08/06 23:38
Molybdenum	95	0.24	4.2	0.24	UD	10	09/08/06 23:38
Nickel	60	0.073	0.83	6.2	D	10	09/08/06 23:38
Strontium	88	0.077	1.7	19.7	D	10	09/08/06 23:38
Titanium	47	0.25	1.7	379	D	10	09/08/06 23:38
Zinc	66	0.41	8.3	27.8	EDB	10	09/08/06 23:38

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-008-015-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1012	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0081	0.028	0.034		1	09/11/06 15:42

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-009-017-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1013	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.2	80.6	16100	D	10	09/08/06 23:44
Antimony	121	0.14	0.81	0.14	UND	10	09/08/06 23:44
Barium	137	0.19	4.0	104	NDB	10	09/08/06 23:44
Cadmium	110	0.11	0.40	0.18	JD	10	09/08/06 23:44
Chromium	52	0.23	1.6	24.2	EDB	10	09/08/06 23:44
Cobalt	59	0.014	0.40	17.7	DB	10	09/08/06 23:44
Copper	65	0.16	1.6	18.4	D	10	09/08/06 23:44
Iron	56	2.6	40.3	25000	D	10	09/08/06 23:44
Lead	208	0.064	1.6	5.9	D	10	09/08/06 23:44
Magnesium	25	1.5	80.6	2580	D	10	09/08/06 23:44
Manganese	55	0.046	1.6	1090	D	10	09/08/06 23:44
Molybdenum	95	0.23	4.0	0.24	JD	10	09/08/06 23:44
Nickel	60	0.071	0.81	8.3	D	10	09/08/06 23:44
Strontium	88	0.074	1.6	30.1	D	10	09/08/06 23:44
Titanium	47	0.24	1.6	510	D	10	09/08/06 23:44
Zinc	66	0.40	8.1	38.5	EDB	10	09/08/06 23:44

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Sample Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	S 608156-009-017-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1013	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0084	0.029	0.048		1	09/11/06 15:44

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP
Preparation Blank Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	BLK93574	Percent Moisture:	0.0
Client Sample ID:	NA	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.7	100	3.3	JD	10	09/08/06 22:30
Antimony	121	0.17	1.0	0.17	UND	10	09/08/06 22:30
Barium	137	0.23	5.0	0.29	JND	10	09/08/06 22:30
Cadmium	110	0.14	0.50	0.14	UD	10	09/08/06 22:30
Chromium	52	0.28	2.0	1.5	JED	10	09/08/06 22:30
Cobalt	59	0.017	0.50	0.017	UD	10	09/08/06 22:30
Copper	65	0.20	2.0	0.20	UD	10	09/08/06 22:30
Iron	56	3.2	50.0	6.2	JD	10	09/08/06 22:30
Lead	208	0.079	2.0	0.079	UD	10	09/08/06 22:30
Magnesium	25	1.8	100	5.0	JD	10	09/08/06 22:30
Manganese	55	0.057	2.0	0.070	JD	10	09/08/06 22:30
Molybdenum	95	0.29	5.0	0.29	UD	10	09/08/06 22:30
Nickel	60	0.088	1.0	0.093	JD	10	09/08/06 22:30
Strontium	88	0.092	2.0	0.13	JD	10	09/08/06 22:30
Titanium	47	0.30	2.0	0.30	UD	10	09/08/06 22:30
Zinc	66	0.49	10.0	0.70	JED	10	09/08/06 22:30

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP
Preparation Blank Results

Project:	608156	Matrix:	Soil
Lab Sample ID:	BLK93633	Percent Moisture:	0.0
Client Sample ID:	NA	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0097	0.033	0.0097	U	1	09/11/06 15:11

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV 9/8/2006 2:00:18 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	500.0	477.33	95						
Antimony	40.0	42.14	105						
Barium	40.0	42.56	106						
Chromium	40.0	39.44	99						
Cobalt	40.0	40.99	102						
Copper	40.0	41.15	103						
Iron	500.0	507.83	102						
Lead	40.0	41.55	104						
Magnesium	5000.0	4865.00	97						
Manganese	40.0	41.35	103						
Molybdenum	40.0	41.81	105						
Nickel	40.0	41.29	103						
Strontium	40.0	41.56	104						
Titanium	40.0	41.91	105						
Zinc	40.0	41.57	104						

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV(CD) 9/8/2006 2:05:26 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Cadmium	4.0	3.85	96						

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	608156	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:	CPI	Standard ID:	

Analyte	True	Ck2 ICV 9/11/2006 2:13:03 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	3.0	2.81	94						

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV1 9/8/2006 2:15:47 PM		CCV2 9/8/2006 3:37:21 PM		CCV3 9/8/2006 5:15:31 PM		CCV4 9/8/2006 6:29:42 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4872.67	97	4763.67	95	4893.67	98	4771.67	95
Antimony	50.0	51.23	102	50.29	101	50.47	101	50.11	100
Barium	50.0	50.80	102	50.15	100	50.65	101	50.09	100
Cadmium	50.0	49.75	100	49.70	99	49.76	100	49.32	99
Chromium	50.0	50.67	101	51.92	104	51.35	103	51.11	102
Cobalt	50.0	50.13	100	49.68	99	50.54	101	49.73	99
Copper	50.0	50.01	100	50.65	101	50.25	101	50.02	100
Iron	5000.0	4971.33	99	4952.00	99	4970.00	99	4957.67	99
Lead	50.0	50.72	101	50.44	101	49.93	100	49.98	100
Magnesium	10000.0	9872.67	99	9756.00	98	9988.67	100	9689.67	97
Manganese	50.0	49.80	100	49.99	100	50.00	100	49.76	100
Molybdenum	50.0	51.56	103	51.15	102	51.28	103	51.07	102
Nickel	50.0	50.16	100	49.75	100	50.72	101	49.21	98
Strontium	50.0	51.43	103	50.93	102	51.03	102	51.08	102
Titanium	50.0	50.34	101	50.91	102	51.49	103	50.98	102
Zinc	50.0	50.44	101	49.55	99	49.60	99	49.79	100

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV5 9/8/2006 7:43:44 PM		CCV6 9/8/2006 8:57:55 PM		CCV7 9/8/2006 10:12:08 PM		CCV8 9/8/2006 11:26:20 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4955.00	99	4771.33	95	4815.67	96	4859.67	97
Antimony	50.0	50.34	101	50.70	101	50.49	101	50.35	101
Barium	50.0	50.78	102	50.70	101	50.56	101	50.89	102
Cadmium	50.0	49.72	99	49.87	100	49.49	99	49.76	100
Chromium	50.0	51.72	103	51.45	103	51.16	102	52.60	105
Cobalt	50.0	51.13	102	50.05	100	50.14	100	50.62	101
Copper	50.0	50.96	102	50.46	101	50.63	101	51.00	102
Iron	5000.0	5027.67	101	4976.67	100	4953.00	99	5001.33	100
Lead	50.0	50.61	101	50.73	101	50.58	101	50.51	101
Magnesium	10000.0	10112.33	101	9755.33	98	9782.67	98	9795.33	98
Manganese	50.0	50.40	101	49.97	100	50.08	100	50.30	101
Molybdenum	50.0	51.47	103	51.43	103	51.25	103	51.85	104
Nickel	50.0	51.06	102	50.48	101	50.42	101	51.39	103
Strontium	50.0	51.04	102	51.54	103	51.50	103	51.32	103
Titanium	50.0	51.54	103	50.72	101	50.49	101	51.99	104
Zinc	50.0	49.22	98	50.56	101	50.37	101	50.83	102

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV9 9/9/2006 12:40:26 AM		CCV10 9/9/2006 1:17:30 AM					
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4862.33	97	4667.33	93				
Antimony	50.0	50.15	100	50.90	102				
Barium	50.0	50.91	102	50.67	101				
Cadmium	50.0	49.95	100	49.56	99				
Chromium	50.0	52.34	105	51.93	104				
Cobalt	50.0	50.86	102	49.76	100				
Copper	50.0	51.21	102	50.00	100				
Iron	5000.0	4955.67	99	4828.33	97				
Lead	50.0	50.32	101	50.20	100				
Magnesium	10000.0	9831.67	98	9508.00	95				
Manganese	50.0	49.82	100	49.43	99				
Molybdenum	50.0	50.95	102	52.50	105				
Nickel	50.0	50.88	102	49.55	99				
Strontium	50.0	51.33	103	51.05	102				
Titanium	50.0	51.59	103	51.22	102				
Zinc	50.0	50.09	100	49.73	99				

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608156	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck5 CCV1 9/11/2006 2:19:57 PM		Ck5 CCV2 9/11/2006 2:48:11 PM		Ck5 CCV3 9/11/2006 3:19:01 PM		Ck5 CCV4 9/11/2006 3:47:11 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	5.0	4.99	100	5.02	100	5.06	101	5.10	102

GPL Laboratories, LLLP

Low Level Check Standard

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	PQL 9/8/2006 2:26:05 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	100.0	93.96	94						
Antimony	1.0	1.19	119						
Barium	5.0	5.41	108						
Cadmium	0.5	0.52	103						
Chromium	2.0	2.09	104						
Copper	2.0	2.20	110						
Iron	50.0	45.87	92						
Lead	2.0	1.95	98						
Magnesium	100.0	97.49	97						
Manganese	2.0	1.99	100						
Molybdenum	5.0	5.13	103						
Nickel	1.0	1.02	102						
Strontium	2.0	2.09	105						
Titanium	2.0	2.00	100						
Zinc	10.0	11.17	112						

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Low Level Check Standard

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	PQL(CO) 9/8/2006 3:13:11 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Cobalt	0.5	0.55	110						

GPL Laboratories, LLLP

Low Level Check Standard

Project:	608156	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck4 CRA 9/11/2006 2:17:48 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	0.2	0.20	99						

GPL Laboratories, LLLP
Initial Calibration Blanks

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:		Standard ID:	

Analyte	RL	ICB 9/8/2006 2:10:36 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U						
Antimony	1.00	0.17	U						
Barium	5.00	0.23	U						
Cadmium	0.50	0.14	U						
Chromium	2.00	0.28	U						
Cobalt	0.50	0.02	U						
Copper	2.00	0.20	U						
Iron	50.00	3.20	U						
Lead	2.00	0.08	U						
Magnesium	100.00	1.80	U						
Manganese	2.00	0.06	U						
Molybdenum	5.00	0.29	U						
Nickel	1.00	0.09	U						
Strontium	2.00	0.09	U						
Titanium	2.00	0.30	U						
Zinc	10.00	0.49	U						

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP
Initial Calibration Blanks

Project:	608156	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck3 ICB 9/11/2006 2:15:20 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.06	U						

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB1 9/8/2006 2:20:57 PM		CCB2 9/8/2006 3:43:36 PM		CCB3 9/8/2006 5:21:45 PM		CCB4 9/8/2006 6:35:57 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U	2.70	U	2.70	U	2.70	U
Antimony	1.00	0.17	U	0.17	U	0.17	U	0.17	U
Barium	5.00	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	0.50	0.14	U	0.14	U	0.14	U	0.14	U
Chromium	2.00	0.28	U	1.01	J	0.28	U	0.28	U
Cobalt	0.50	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.20	U	0.20	U	0.20	U	0.20	U
Iron	50.00	3.20	U	3.20	U	3.20	U	4.13	J
Lead	2.00	0.08	U	0.08	U	0.08	U	0.08	U
Magnesium	100.00	1.80	U	1.80	U	1.80	U	1.80	U
Manganese	2.00	0.06	U	0.06	U	0.06	U	0.06	U
Molybdenum	5.00	0.29	U	0.29	U	0.29	U	0.29	U
Nickel	1.00	0.09	U	0.09	U	0.09	U	0.09	U
Strontium	2.00	0.09	U	0.09	U	0.09	U	0.09	U
Titanium	2.00	0.30	U	0.30	U	0.30	U	0.30	U
Zinc	10.00	0.49	U	0.49	U	0.49	U	0.49	U

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB5 9/8/2006 7:49:56 PM		CCB6 9/8/2006 9:04:03 PM		CCB7 9/8/2006 10:18:19 PM		CCB8 9/8/2006 11:32:28 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U	2.70	U	2.70	U	2.70	U
Antimony	1.00	0.17	U	0.17	U	0.17	U	0.17	U
Barium	5.00	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	0.50	0.14	U	0.14	U	0.14	U	0.14	U
Chromium	2.00	0.28	U	0.28	U	0.28	U	0.84	J
Cobalt	0.50	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.20	U	0.20	U	0.20	U	0.20	U
Iron	50.00	5.91	J	4.27	J	4.12	J	4.59	J
Lead	2.00	0.08	U	0.08	U	0.08	U	0.08	U
Magnesium	100.00	1.80	U	1.80	U	1.80	U	1.80	U
Manganese	2.00	0.06	U	0.06	U	0.06	U	0.06	U
Molybdenum	5.00	0.29	U	0.29	U	0.29	U	0.29	U
Nickel	1.00	0.09	U	0.09	U	0.09	U	0.09	U
Strontium	2.00	0.09	U	0.09	U	0.09	U	0.09	U
Titanium	2.00	0.30	U	0.30	U	0.30	U	0.30	U
Zinc	10.00	0.49	U	0.49	U	0.49	U	0.49	U

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB9 9/9/2006 12:46:34 AM		CCB10 9/9/2006 1:23:38 AM					
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U	2.70	U				
Antimony	1.00	0.17	U	0.17	U				
Barium	5.00	0.23	U	0.23	U				
Cadmium	0.50	0.14	U	0.14	U				
Chromium	2.00	0.67	J	1.99	J				
Cobalt	0.50	0.02	U	0.02	U				
Copper	2.00	0.20	U	0.20	U				
Iron	50.00	4.97	J	5.85	J				
Lead	2.00	0.08	U	0.08	U				
Magnesium	100.00	1.80	U	1.80	U				
Manganese	2.00	0.06	J	0.06	U				
Molybdenum	5.00	0.29	U	0.46	J				
Nickel	1.00	0.09	U	0.09	U				
Strontium	2.00	0.09	U	0.09	U				
Titanium	2.00	0.30	U	0.30	U				
Zinc	10.00	0.49	U	0.49	U				

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608156	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck6 CCB1 9/11/2006 2:22:07 PM		Ck6 CCB2 9/11/2006 2:50:58 PM		Ck6 CCB3 9/11/2006 3:21:31 PM		Ck6 CCB4 9/11/2006 3:49:42 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.06	U	0.07	J	0.06	U	0.06	J

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Interference Check Standards

Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	RL	True		Initial Found				Final Found			
		Sol. A	Sol. B	ICSA 09/08/06 14:36	%R	ICSAB 09/08/06 14:47	%R		%R		%R
Aluminum	100		100000	97200	97	97700	98				
Antimony	1		20	0.20		19.3	97				
Barium	5		20	0.50		21.0	105				
Cadmium	0.5		20	-0.12		17.1	86				
Chromium	2		20	-0.48		19.4	97				
Cobalt	0.5		20	0.16		18.7	94				
Copper	2		20	1.1		18.3	92				
Iron	50		250000	239000	95	238000	95				
Lead	2		20	0.13		21.6	108				
Magnesium	100		100000	99400	99	99500	100				
Manganese	2		20	0.057		19.4	97				
Molybdenum	5		2000	2030	101	2020	101				
Nickel	1		20	0.53		18.4	92				
Strontium	2		20	4.3		24.9	125				
Titanium	2		2000	2130		2130	106				
Zinc	10		20	2.3		19.1	95				

URIT Version 4.3.4 SW846

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Matrix Spike Recovery

Client ID:	NWO-017-0021 MS	Lab Sample ID:	SP608158-005-011-1/6
Project:	608156	Instrument:	3050X
Units:	mg/kg	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/09/06 00:21		Sample Result 09/09/06 00:15		Spike Added	%R
Aluminum	29135.90		23064.00		769.23	789
Antimony	1.86		0.28	J	7.69	21
Barium	267.56		186.96		76.92	105
Cadmium	7.66		0.33	J	7.69	95
Chromium	68.74		30.56		38.46	99
Cobalt	52.09		16.57		38.46	92
Copper	57.07		20.23		38.46	96
Iron	31046.15		29258.67		769.23	232
Lead	119.72		41.11		76.92	102
Magnesium	5023.85		4156.80		769.23	113
Manganese	917.18		893.87		76.92	30
Molybdenum	36.51		0.38	J	38.46	94
Nickel	56.37		17.99		38.46	100
Strontium	104.41		26.75		76.92	101
Titanium	1787.18		1517.60		153.85	175
Zinc	134.51		65.06		76.92	90

URIT Version 4.3.4 SW846

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Matrix Spike Recovery

Client ID:	NWO-017-0046 MS	Lab Sample ID:	SP608156-007-013-1/2
Project:	608156	Instrument:	7471H
Units:	mg/kg	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 09/11/06 15:37		Sample Result 09/11/06 15:34		Spike Added	%R
Mercury	0.56		0.04		0.48	109

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Matrix Spike Duplicate Recovery

Client ID:	NWO-017-0021 MSD	Lab Sample ID:	SD608158-005-011-1/6
Project:	608156	Instrument:	3050X
Units:	mg/kg	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/09/06 00:28		Sample Result 09/09/06 00:15		Spike Added	%R
Aluminum	32078.28		23064.00		757.58	1190
Antimony	1.94		0.28	J	7.58	22
Barium	284.55		186.96		75.76	129
Cadmium	8.33		0.33	J	7.58	106
Chromium	73.49		30.56		37.88	113
Cobalt	55.11		16.57		37.88	102
Copper	61.78		20.23		37.88	110
Iron	33479.80		29258.67		757.58	557
Lead	116.97		41.11		75.76	100
Magnesium	5483.59		4156.80		757.58	175
Manganese	951.52		893.87		75.76	76
Molybdenum	38.79		0.38	J	37.88	101
Nickel	60.83		17.99		37.88	113
Strontium	110.53		26.75		75.76	111
Titanium	1960.35		1517.60		151.52	292
Zinc	145.35		65.06		75.76	106

URIT Version 4.3.4 SW846

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Matrix Spike Duplicate Recovery

Client ID:	NWO-017-0046 MSD	Lab Sample ID:	SD608156-007-013-1/2
Project:	608156	Instrument:	7471H
Units:	mg/kg	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 09/11/06 15:39		Sample Result 09/11/06 15:34		Spike Added	%R
Mercury	0.55		0.04		0.47	110

URIT Version 4.3.4 SW846

GPL Laboratories, LLLP

Post Digestion Spike Recovery

Client ID:	NWO-017-0021	Lab Sample ID:	PS608158-005-011-1/6
Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/09/06 00:34		Sample Result 09/09/06 00:15		Spike Added	%R
Antimony	82.70		0.34	J	80	103
Barium	249.90		233.70		20	81

URIT Version 4.3.4 SW846

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Duplicates (RPD)

Client ID:	NWO-017-0021 MSD	Lab Sample ID:	SD608158-005-011-1/6
Project:	608156	Instrument:	3050X
Units:	mg/kg	Data File Name:	060908MS.csv

RP 9/12/06

Analyte	MATRIX SPIKE ~~Original~~ Sample Results		MATRIX SPIKE Duplicate Sample Results		RPD	Control Limit	Q
Aluminum	29135.90		32078.28		10	20	D
Antimony	1.86		1.94		4	20	ND
Barium	267.56		284.55		6	20	ND
Cadmium	7.66		8.33		8	20	D
Chromium	68.74		73.49		7	20	ED
Cobalt	52.09		55.11		6	20	D
Copper	57.07		61.78		8	20	D
Iron	31046.15		33479.80		8	20	D
Lead	119.72		116.97		2	20	D
Magnesium	5023.85		5483.59		9	20	D
Manganese	917.18		951.52		4	20	D
Molybdenum	36.51		38.79		6	20	D
Nickel	56.37		60.83		8	20	D
Strontium	104.41		110.53		6	20	D
Titanium	1787.18		1960.35		9	20	D
Zinc	134.51		145.35		8	20	ED

URIT Version 4.3.4 SW846

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Duplicates (RPD)

Client ID:	NWO-017-0046 MSD	Lab Sample ID:	SD608156-007-013-1/2
Project:	608156	Instrument:	7471H
Units:	mg/kg	Data File Name:	Hg060911.PRN

dp 9/12/06

Analyte	MATRIX SPIKE ~~Original~~ Sample Results		MATRIX SPIKE A Duplicate Sample Results		RPD	Control Limit	Q
Mercury	0.56		0.55		2	20	

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Laboratory Control Sample

Project:	608156	Lab Sample ID:	BKS93574
Units:	mg/kg	Instrument:	3050X
		Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/08/06 22:36		Spike Added	%R
Aluminum	893.80		1000.00	89
Antimony	9.62		10.00	96
Barium	99.02		100.00	99
Cadmium	9.69		10.00	97
Chromium	49.61		50.00	99
Cobalt	48.45		50.00	97
Copper	49.24		50.00	98
Iron	947.43		1000.00	95
Lead	97.35		100.00	97
Magnesium	932.90		1000.00	93
Manganese	96.20		100.00	96
Molybdenum	49.05		50.00	98
Nickel	48.74		50.00	97
Strontium	99.75		100.00	100
Titanium	197.83		200.00	99
Zinc	96.21		100.00	96

URIT Version 4.3.4 SW846

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Laboratory Control Sample

Project:	608156	Lab Sample ID:	BKS93633
Units:	mg/kg	Instrument:	7471H
		Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 09/11/06 15:14	Spike Added	%R
Mercury	0.54	0.50	109

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Serial Dilutions

Client ID:	NWO-017-0021	Lab Sample ID:	SE608158-005-011-1/6
Project:	608156	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv

Analyte	Sample Result 09/09/06 00:15		Serial Dilution Result 09/09/06 00:52		Percent Difference	Flag
Aluminum	28830.00		28103.33		3	
Antimony	0.34	J	0.85	U	100	
Barium	233.70		234.37		0	
Cadmium	0.41	J	0.70	U	100	
Chromium	38.20		45.85		20	E
Cobalt	20.72		21.27		3	
Copper	25.29		26.62		5	
Iron	36573.33		37105.00		1	
Lead	51.38		50.75		1	
Magnesium	5196.00		5256.67		1	
Manganese	1117.33		1153.50		3	
Molybdenum	0.48	J	1.45	U	100	
Nickel	22.49		23.29		4	
Strontium	33.44		34.03		2	
Titanium	1897.00		1985.50		5	
Zinc	81.33		93.82		15	E

URIT Version 4.3.4 SW846

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Linear Dynamic Ranges

Project: 608156 Instrument: 3050X

Units: ug/L

Analyte	Wavelength/Mass	Linear Dynamic Range	Date of LDR 9/8/06 dp
Aluminum	27	110000	~~04/14/06~~ 9/8/06
Antimony	121	550	04/14/06
Barium	137	5500	04/14/06
Cadmium	110	1100	04/14/06
Chromium	52	5500	04/14/06
Cobalt	59	5500	04/14/06
Copper	65	5500	04/14/06
Iron	56	275000	04/14/06
Lead	208	11000	04/14/06
Magnesium	25	110000	04/14/06
Manganese	55	5500	04/14/06
Molybdenum	95	5500	04/14/06
Nickel	60	4125	04/14/06
Strontium	88	6000	04/14/06
Titanium	47	5500	04/14/06
Zinc	66	2750	~~04/14/06~~

URIT Version 4.3.4 SW846

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Preparation Log

Project: 608156 Instrument: 3050X

Prep Method: Batch Number: 93574

Lab Sample ID	Client ID	Preparation Date	Initial Weight (grams)	Final Volume (ml)
BLK93574	BLK93574	09/06/2006	1.00	100
BKS93574	BKS93574	09/06/2006	1.00	100
S 608158-005-011-1/6	NWO-017-0021	09/06/2006	1.25	100
SP608158-005-011-1/6	NWO-017-0021 MS	09/06/2006	1.30	100
S 608156-001-001-1/2	NWO-017-0022	09/06/2006	1.22	100
S 608156-002-003-1/2	NWO-017-0023	09/06/2006	1.37	100
S 608156-004-007-1/2	NWO-017-0027	09/06/2006	1.19	100
S 608156-005-009-1/2	NWO-017-0028	09/06/2006	1.28	100
S 608156-006-011-1/2	NWO-017-0030	09/06/2006	1.22	100
S 608156-007-013-1/2	NWO-017-0046	09/06/2006	1.18	100
S 608156-003-005-1/2	NWO-017-1003	09/06/2006	1.23	100
S 608156-008-015-1/2	NWO-017-1012	09/06/2006	1.20	100
S 608156-009-017-1/2	NWO-017-1013	09/06/2006	1.24	100
SD608158-005-011-1/6	NWO-017-0021 MSD	09/06/2006	1.32	100

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Preparation Log

Project: 608156 Instrument: 7471H

Prep Method: Batch Number: 93633

Lab Sample ID	Client ID	Preparation Date	Initial Weight (grams)	Final Volume (ml)
BLK93633	BLK93633	09/10/2006	0.60	100
BKS93633	BKS93633	09/10/2006	0.60	100
S 608156-001-001-1/2	NWO-017-0022	09/10/2006	0.66	100
S 608156-002-003-1/2	NWO-017-0023	09/10/2006	0.69	100
S 608156-004-007-1/2	NWO-017-0027	09/10/2006	0.66	100
S 608156-005-009-1/2	NWO-017-0028	09/10/2006	0.61	100
S 608156-006-011-1/2	NWO-017-0030	09/10/2006	0.62	100
S 608156-007-013-1/2	NWO-017-0046	09/10/2006	0.68	100
SP608156-007-013-1/2	NWO-017-0046 MS	09/10/2006	0.62	100
S 608156-003-005-1/2	NWO-017-1003	09/10/2006	0.70	100
S 608156-008-015-1/2	NWO-017-1012	09/10/2006	0.72	100
S 608156-009-017-1/2	NWO-017-1013	09/10/2006	0.69	100
SD608156-007-013-1/2	NWO-017-0046 MSD	09/10/2006	0.64	100

URIT Version 4.3.4 SW846

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Analysis Run Log

Project: 608156 Instrument: 3050X

Data File Name: 060908MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
BLANK		09/08/06	1:19 PM
STD1		09/08/06	1:24 PM
STD2		09/08/06	1:29 PM
STD3		09/08/06	1:39 PM
STD4		09/08/06	1:44 PM
STD5		09/08/06	1:50 PM
STD6		09/08/06	1:55 PM
ICV		09/08/06	2:00 PM
ICV(CD)		09/08/06	2:05 PM
ICB		09/08/06	2:10 PM
CCV1		09/08/06	2:15 PM
CCB1		09/08/06	2:20 PM
PQL		09/08/06	2:26 PM
ICSA		09/08/06	2:36 PM
ICSAB		09/08/06	2:47 PM
PQL(CO)		09/08/06	3:13 PM
CCV2		09/08/06	3:37 PM
CCB2		09/08/06	3:43 PM
CCV3		09/08/06	5:15 PM
CCB3		09/08/06	5:21 PM
CCV4		09/08/06	6:29 PM
CCB4		09/08/06	6:35 PM
CCV5		09/08/06	7:43 PM
CCB5		09/08/06	7:49 PM
CCV6		09/08/06	8:57 PM
CCB6		09/08/06	9:04 PM
CCV7		09/08/06	10:12 PM
CCB7		09/08/06	10:18 PM
BLK93574	BLK93574	09/08/06	10:30 PM
BKS93574	BKS93574	09/08/06	10:36 PM
S 608156-001-001-1/2	NWO-017-0022	09/08/06	10:43 PM
S 608156-002-003-1/2	NWO-017-0023	09/08/06	10:49 PM
S 608156-003-005-1/2	NWO-017-1003	09/08/06	10:55 PM
S 608156-004-007-1/2	NWO-017-0027	09/08/06	11:01 PM
S 608156-005-009-1/2	NWO-017-0028	09/08/06	11:07 PM
S 608156-006-011-1/2	NWO-017-0030	09/08/06	11:13 PM
S 608156-007-013-1/2	NWO-017-0046	09/08/06	11:20 PM
CCV8		09/08/06	11:26 PM
CCB8		09/08/06	11:32 PM

URIT Version 4.3.4 SW846

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Analysis Run Log

Project: 608156 Instrument: 3050X

Data File Name: 060908MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
S 608156-008-015-1/2	NWO-017-1012	09/08/06	11:38 PM
S 608156-009-017-1/2	NWO-017-1013	09/08/06	11:44 PM
S 608158-005-011-1/6	NWO-017-0021	09/09/06	12:15 AM
SP608158-005-011-1/6	NWO-017-0021 MS	09/09/06	12:21 AM
SD608158-005-011-1/6	NWO-017-0021 MSD	09/09/06	12:28 AM
PS608158-005-011-1/6	NWO-017-0021	09/09/06	12:34 AM
CCV9		09/09/06	12:40 AM
CCB9		09/09/06	12:46 AM
SE608158-005-011-1/6	NWO-017-0021	09/09/06	12:52 AM
CCV10		09/09/06	1:17 AM
CCB10		09/09/06	1:23 AM

URIT Version 4.3.4 SW846

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Analysis Run Log

Project: 608156 Instrument: 7471H

Data File Name: Hg060911.PRN

Sample Name	Client ID	Analysis Date	Analysis Time
Std01Rep1		09/11/06	1:10 PM
Std01Rep2		09/11/06	1:12 PM
Std01Rep3		09/11/06	1:14 PM
Std02Rep1		09/11/06	1:16 PM
Std02Rep2		09/11/06	1:18 PM
Std02Rep3		09/11/06	1:21 PM
Std03Rep1		09/11/06	1:23 PM
Std03Rep2		09/11/06	1:25 PM
Std03Rep3		09/11/06	1:28 PM
Std04Rep1		09/11/06	1:31 PM
Std04Rep2		09/11/06	1:33 PM
Std04Rep3		09/11/06	1:35 PM
Std05Rep1		09/11/06	1:37 PM
Std05Rep2		09/11/06	1:39 PM
Std05Rep3		09/11/06	1:42 PM
Std06Rep1		09/11/06	1:44 PM
Std06Rep2		09/11/06	1:46 PM
Std06Rep3		09/11/06	1:49 PM
Ck2 ICV		09/11/06	2:13 PM
Ck3 ICB		09/11/06	2:15 PM
Ck4 CRA		09/11/06	2:17 PM
Ck5 CCV1		09/11/06	2:19 PM
Ck6 CCB1		09/11/06	2:22 PM
Ck5 CCV2		09/11/06	2:48 PM
Ck6 CCB2		09/11/06	2:50 PM
BLK93633	BLK93633	09/11/06	3:11 PM
BKS93633	BKS93633	09/11/06	3:14 PM
S 608156-001-001-1/2	NWO-017-0022	09/11/06	3:16 PM
Ck5 CCV3		09/11/06	3:19 PM
Ck6 CCB3		09/11/06	3:21 PM
S 608156-002-003-1/2	NWO-017-0023	09/11/06	3:23 PM
S 608156-003-005-1/2	NWO-017-1003	09/11/06	3:25 PM
S 608156-004-007-1/2	NWO-017-0027	09/11/06	3:28 PM
S 608156-005-009-1/2	NWO-017-0028	09/11/06	3:30 PM
S 608156-006-011-1/2	NWO-017-0030	09/11/06	3:32 PM
S 608156-007-013-1/2	NWO-017-0046	09/11/06	3:34 PM
SP608156-007-013-1/2	NWO-017-0046 MS	09/11/06	3:37 PM
SD608156-007-013-1/2	NWO-017-0046 MSD	09/11/06	3:39 PM
S 608156-008-015-1/2	NWO-017-1012	09/11/06	3:42 PM

URIT Version 4.3.4 SW846

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Analysis Run Log

Project: 608156

Instrument: 7471H

Data File Name: Hg060911.PRN

Sample Name	Client ID	Analysis Date	Analysis Time
S 608156-009-017-1/2	NWO-017-1013	09/11/06	3:44 PM
Ck5 CCV4		09/11/06	3:47 PM
Ck6 CCB4		09/11/06	3:49 PM

URIT Version 4.3.4

SW846

ICPMS ANALYSIS LOG

Instrument ID: ICPMS (X0206) Inst. Method: 6020A Nebulizer:

Analytical Batch No: 060908MS

Workorder	Project/SDG #	Prep. Seq.	Batch #	Matrix s/w/e	Prep. Date	Method	Comments / Dilution
607194	ALION	83431	069	S	8.29.06	6020A	10x ON ALL
607199	↓	↓	↓	↓	↓	↓	↓
607192	↓	83126	104	↓	9.8.06	↓	↓
608156	SHAW	93574	096	↓	9.6.06	↓	↓
608158	↓	↓	↓	↓	↓	↓	↓

9.11.06

Source Solution Numbers				Post Digestion Spikes
Stds.	Number	Stds.	Number	Spike 9.9 mls of sample with 0.1 mls of 35664
S0	129-102-04	ICV	37877	Samples:
S1	37871	CCV	37878	607194-005-023-1/3
S2	37872	ICSA	37924	607192-003-016-1/3
S3	37873	ICSAB	37925	607192-012-019-1/3
S4	37874	CRI STD6	37876	608158-005-011-1/6
S5	37875	Low Ck	37549	
Ints	37703	LR	37926	

Analyst: Date: 9.11.06 Reviewed: RA Date: 9-11-06

ICP ANALYSIS LOG

GPL - Maryland Laboratory | ICPMS Analysis Log | Data File: 060908MS.csv

Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	BLANK	1	9/8/2006	13:18	31	SD607104-005-023-1/	10	9/8/2006	17:03	61	SD607102-003-010-1/	10	9/8/2006	20:08	91	S 608158-006-011-1/2	10	9/8/2006	23:13					
2	STD1	1	9/8/2006	13:24	32	PS607104-005-023-1/	10	9/8/2006	17:09	62	PS607102-003-010-1/	10	9/8/2006	20:14	92	S 608158-007-013-1/2	10	9/8/2006	23:20					
3	STD2	1	9/8/2006	13:29	33	CCV	1	9/8/2006	17:15	63	SE607102-003-010-1/	50	9/8/2006	20:20	93	CCV	1	9/8/2006	23:26					
4	STD7	1	9/8/2006	13:34	34	CCB	1	9/8/2006	17:21	64	S 607102-004-008-1/1	10	9/8/2006	20:27	94	CCB	1	9/8/2006	23:32					
5	STD3	1	9/8/2006	13:39	35	SE607104-005-023-1/	50	9/8/2006	17:27	65	S 607102-007-009-1/1	10	9/8/2006	20:33	95	S 608158-008-015-1/2	10	9/8/2006	23:38					
6	STD4	1	9/8/2006	13:44	36	S 607104-006-000-1/1	10	9/8/2006	17:34	66	S 607102-010-012-1/1	10	9/8/2006	20:39	96	S 608158-009-017-1/2	10	9/8/2006	23:44					
7	STD5	1	9/8/2006	13:50	37	S 607104-007-007-1/1	10	9/8/2006	17:40	67	S 607102-011-013-1/1	10	9/8/2006	20:45	97	S 608158-001-001-1/2	10	9/8/2006	23:51					
8	STD6	1	9/8/2006	13:55	38	S 607104-008-008-1/1	10	9/8/2006	17:46	68	S 607102-012-010-1/3	10	9/8/2006	20:51	98	S 608158-002-003-1/2	10	9/8/2006	23:57					
9	ICV	1	9/8/2006	14:00	39	S 607104-009-009-1/1	10	9/8/2006	17:52	69	CCV	1	9/8/2006	20:57	99	S 608158-003-005-1/2	10	9/8/2006	0:03					
10	ICV(CO)	1	9/8/2006	14:05	40	S 607104-010-010-1/1	10	9/8/2006	17:58	70	CCB	1	9/8/2006	21:04	100	S 608158-004-007-1/2	10	9/8/2006	0:09					
11	ICB	1	9/8/2006	14:10	41	S 607104-011-011-1/1	10	9/8/2006	18:05	71	SP607102-012-010-1/	10	9/8/2006	21:10	101	S 608158-005-011-1/8	10	9/8/2006	0:15					
12	CCV	1	9/8/2006	14:15	42	S 607104-012-012-1/1	10	9/8/2006	18:11	72	SD607102-012-010-1/	10	9/8/2006	21:16	102	SP608158-005-011-1/	10	9/8/2006	0:21					
13	CCB	1	9/8/2006	14:20	43	S 607104-013-013-1/1	10	9/8/2006	18:17	73	PS607102-012-010-1/	10	9/8/2006	21:22	103	SD608158-005-011-1/	10	9/8/2006	0:28					
14	PQL	1	9/8/2006	14:26	44	S 607104-014-014-1/1	10	9/8/2006	18:23	74	SE607102-012-010-1/	50	9/8/2006	21:28	104	PS608158-005-011-1/	10	9/8/2006	0:34					
15	PQL(ZR)	1	9/8/2006	14:31	45	CCV	1	9/8/2006	18:29	75	S 607102-013-001-1/1	10	9/8/2006	21:34	105	CCV	1	9/8/2006	0:40					
16	ICSA	1	9/8/2006	14:36	46	CCB	1	9/8/2006	18:35	76	S 607102-014-002-1/1	10	9/8/2006	21:41	106	CCB	1	9/8/2006	0:46					
17	ICSAB	1	9/8/2006	14:47	47	S 607109-001-005-1/1	10	9/8/2006	18:42	77	S 607102-015-003-1/1	10	9/8/2006	21:47	107	SE608158-005-011-1/	50	9/8/2006	0:52					
18	LR	1	9/8/2006	14:52	48	S 607109-003-006-1/1	10	9/8/2006	18:48	78	S 607102-016-004-1/1	10	9/8/2006	21:53	108	S 608158-006-009-1/2	10	9/8/2006	0:58					
19	LR(ZR)	1	9/8/2006	15:02	49	S 607109-006-001-1/1	10	9/8/2006	18:54	79	S 607102-017-005-1/1	10	9/8/2006	21:59	109	ICSA	1	9/8/2006	1:05					
20	PQL(CO)	1	9/8/2006	15:13	50	S 607109-007-002-1/1	10	9/8/2006	19:00	80	S 607102-018-014-1/1	10	9/8/2006	22:05	110	ICSAB	1	9/8/2006	1:11					
21	CCV	1	9/8/2006	15:37	51	S 607109-008-003-1/1	10	9/8/2006	19:06	81	CCV	1	9/8/2006	22:12	111	CCV	1	9/8/2006	1:17					
22	CCB	1	9/8/2006	15:43	52	S 607109-009-004-1/1	10	9/8/2006	19:13	82	CCB	1	9/8/2006	22:18	112	CCB	1	9/8/2006	1:23					
23	BLK63431	10	9/8/2006	19:13	53	BLK63126	10	9/8/2006	19:19	83	S 607102-020-015-1/1	10	9/8/2006	22:24										
24	BKS63431	10	9/8/2006	19:19	54	BKS63126	10	9/8/2006	19:25	84	BLK93574	10	9/8/2006	22:30										
25	S 607104-001-001-1/1	10	9/8/2006	19:26	55	S 607102-001-010-1/1	10	9/8/2006	19:31	85	BKS93574	10	9/8/2006	22:36										
26	S 607104-002-002-1/1	10	9/8/2006	19:32	56	S 607102-002-011-1/1	10	9/8/2006	19:37	86	S 608158-001-001-1/2	10	9/8/2006	22:43										
27	S 607104-003-003-1/1	10	9/8/2006	19:38	57	CCV	1	9/8/2006	19:43	87	S 608158-002-003-1/2	10	9/8/2006	22:49										
28	S 607104-004-004-1/1	10	9/8/2006	19:44	58	CCB	1	9/8/2006	19:49	88	S 608158-003-005-1/2	10	9/8/2006	22:55										
29	S 607104-005-023-1/3	10	9/8/2006	19:50	59	S 607102-003-010-1/3	10	9/8/2006	19:56	89	S 608158-004-007-1/2	10	9/8/2006	23:01										
30	SP607104-005-023-1/	10	9/8/2006	19:56	60	SP607102-003-010-1/	10	9/8/2006	20:02	90	S 608158-005-009-1/2	10	9/8/2006	23:07										

Analyst Signature: [signature] Date: 9.11.06 Analyst Signature: Date:

Sample Dilutions:

IS okay
LR okay

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/08/2006 End Date: 09/09/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
BLANK	13:19	100		100		100		100		100	
STD1	13:24	104		104		103		105		104	
STD2	13:29	99		102		101		106		101	
STD7	13:34	102		102		100		103		102	
STD3	13:39	102		101		100		101		102	
STD4	13:44	100		99		101		100		99	
STD5	13:50	101		102		102		102		103	
STD6	13:55	100		101		103		103		103	
ICV	14:00	104		101		102		100		103	
ICV(CD)	14:05	99		97		100		97		98	
ICB	14:10	95		95		95		97		96	
CCV	14:15	97		95		94		94		98	
CCB	14:20	98		96		96		96		97	
PQL	14:26	101		96		97		95		99	
PQL(ZR)	14:31	98		96		97		95		97	
ICSA	14:36	82		84		78		82		89	
ICSAB	14:47	82		83		78		80		90	
LR	14:52	97		91		88		90		97	
LR(ZR)	15:02	103		100		100		97		101	
PQL(CO)	15:13	100		98		99		97		99	
CCV	15:37	97		94		99		93		97	
CCB	15:43	98		97		102		97		98	
BLK83431	16:13	98		95		104		96		96	
BKS83431	16:19	99		96		105		97		98	
S 607194-001-001-1/1	16:26	98		94		100		103		99	
S 607194-002-002-1/1	16:32	95		93		97		103		97	
S 607194-003-003-1/1	16:38	99		93		99		101		98	
S 607194-004-004-1/1	16:44	100		94		99		102		100	
S 607194-005-023-1/3	16:50	94		92		97		101		97	
SP607194-005-023-1/3	16:56	99		95		99		103		100	
SD607194-005-023-1/3	17:03	99		95		102		104		101	
PS607194-005-023-1/3	17:09	100		95		100		103		101	
CCV	17:15	93		92		96		94		95	
CCB	17:21	100		96		101		95		98	
SE607194-005-023-1/3	17:27	100		96		103		98		98	
S 607194-006-006-1/1	17:34	96		94		97		105		99	
S 607194-007-007-1/1	17:40	99		96		99		105		101	
S 607194-008-008-1/1	17:46	100		97		104		106		101	

FORM XV - IN CLP_ILM05.3

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/08/2006 End Date: 09/09/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
S 607194-009-009-1/1	17:52	101		97		102		104		103	
S 607194-010-010-1/1	17:58	97		96		99		105		100	
S 607194-011-011-1/1	18:05	105		99		105		100		103	
S 607194-012-012-1/1	18:11	101		98		105		108		103	
S 607194-013-013-1/1	18:17	103		100		104		103		103	
S 607194-014-014-1/1	18:23	103		100		107		103		103	
CCV	18:29	100		97		103		96		100	
CCB	18:35	103		100		110		100		101	
S 607199-001-005-1/1	18:42	100		99		100		101		100	
S 607199-003-006-1/1	18:48	101		97		103		103		101	
S 607199-006-001-1/1	18:54	100		97		104		107		102	
S 607199-007-002-1/1	19:00	103		99		105		105		103	
S 607199-008-003-1/1	19:06	95		95		99		106		99	
S 607199-009-004-1/1	19:13	106		100		106		100		105	
BLK83126	19:19	103		100		109		98		101	
BKS83126	19:25	100		98		104		97		101	
S 607192-001-010-1/1	19:31	101		98		104		103		102	
S 607192-002-011-1/1	19:37	100		98		103		106		101	
CCV	19:43	91		93		99		95		95	
CCB	19:49	100		98		105		98		99	
S 607192-003-016-1/3	19:56	101		98		106		106		102	
SP607192-003-016-1/3	20:02	95		97		101		106		99	
SD607192-003-016-1/3	20:08	102		99		106		106		103	
PS607192-003-016-1/3	20:14	100		98		106		109		102	
SE607192-003-016-1/3	20:20	100		98		105		102		100	
S 607192-004-006-1/1	20:27	100		98		106		110		103	
S 607192-007-009-1/1	20:33	98		98		104		102		100	
S 607192-010-012-1/1	20:39	101		98		105		107		103	
S 607192-011-013-1/1	20:45	100		98		106		110		103	
S 607192-012-019-1/3	20:51	95		96		105		109		99	
CCV	20:57	98		95		104		95		98	
CCB	21:04	97		97		107		100		97	
SP607192-012-019-1/3	21:10	99		97		104		108		101	
SD607192-012-019-1/3	21:16	99		98		105		108		102	
PS607192-012-019-1/3	21:22	96		96		101		109		100	
SE607192-012-019-1/3	21:28	104		99		106		101		102	
S 607192-013-001-1/1	21:34	93		96		102		110		98	
S 607192-014-002-1/1	21:41	101		99		107		108		103	

FORM XV - IN CLP_ILM05.3

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/08/2006 End Date: 09/09/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
S 607192-015-003-1/1	21:47	94		96		103		108		98	
S 607192-016-004-1/1	21:53	100		98		106		108		103	
S 607192-017-005-1/1	21:59	97		97		105		110		101	
S 607192-018-014-1/1	22:05	102		99		109		102		102	
CCV	22:12	96		94		103		94		97	
CCB	22:18	100		98		108		99		99	
S 607192-020-015-1/1	22:24	101		99		107		107		102	
BLK93574	22:30	100		99		111		101		100	
BKS93574	22:36	102		99		111		100		102	
S 608156-001-001-1/2	22:43	96		99		110		110		100	
S 608156-002-003-1/2	22:49	99		100		113		109		101	
S 608156-003-005-1/2	22:55	95		98		108		108		99	
S 608156-004-007-1/2	23:01	97		98		108		107		99	
S 608156-005-009-1/2	23:07	90		95		106		107		95	
S 608156-006-011-1/2	23:13	95		97		107		108		98	
S 608156-007-013-1/2	23:20	91		96		108		108		95	
CCV	23:26	91		91		100		92		92	
CCB	23:32	95		96		110		100		95	
S 608156-008-015-1/2	23:38	93		97		112		107		96	
S 608156-009-017-1/2	23:44	96		98		110		108		98	
S 608158-001-001-1/2	23:51	91		95		106		107		95	
S 608158-002-003-1/2	23:57	96		98		110		107		98	
S 608158-003-005-1/2	0:03	90		94		106		107		95	
S 608158-004-007-1/2	0:09	94		97		106		106		98	
S 608158-005-011-1/6	0:15	90		95		108		108		95	
SP608158-005-011-1/6	0:21	92		94		105		106		95	
SD608158-005-011-1/6	0:28	90		94		108		106		95	
PS608158-005-011-1/6	0:34	91		93		103		104		95	
CCV	0:40	88		90		100		93		91	
CCB	0:46	93		95		108		99		94	
SE608158-005-011-1/6	0:52	96		98		111		103		97	
S 608158-006-009-1/2	0:58	91		95		106		104		95	
ICSA	1:05	74		81		84		84		83	
ICSAB	1:11	74		80		84		82		83	
CCV	1:17	96		92		105		92		96	
CCB	1:23	93		95		108		98		94	

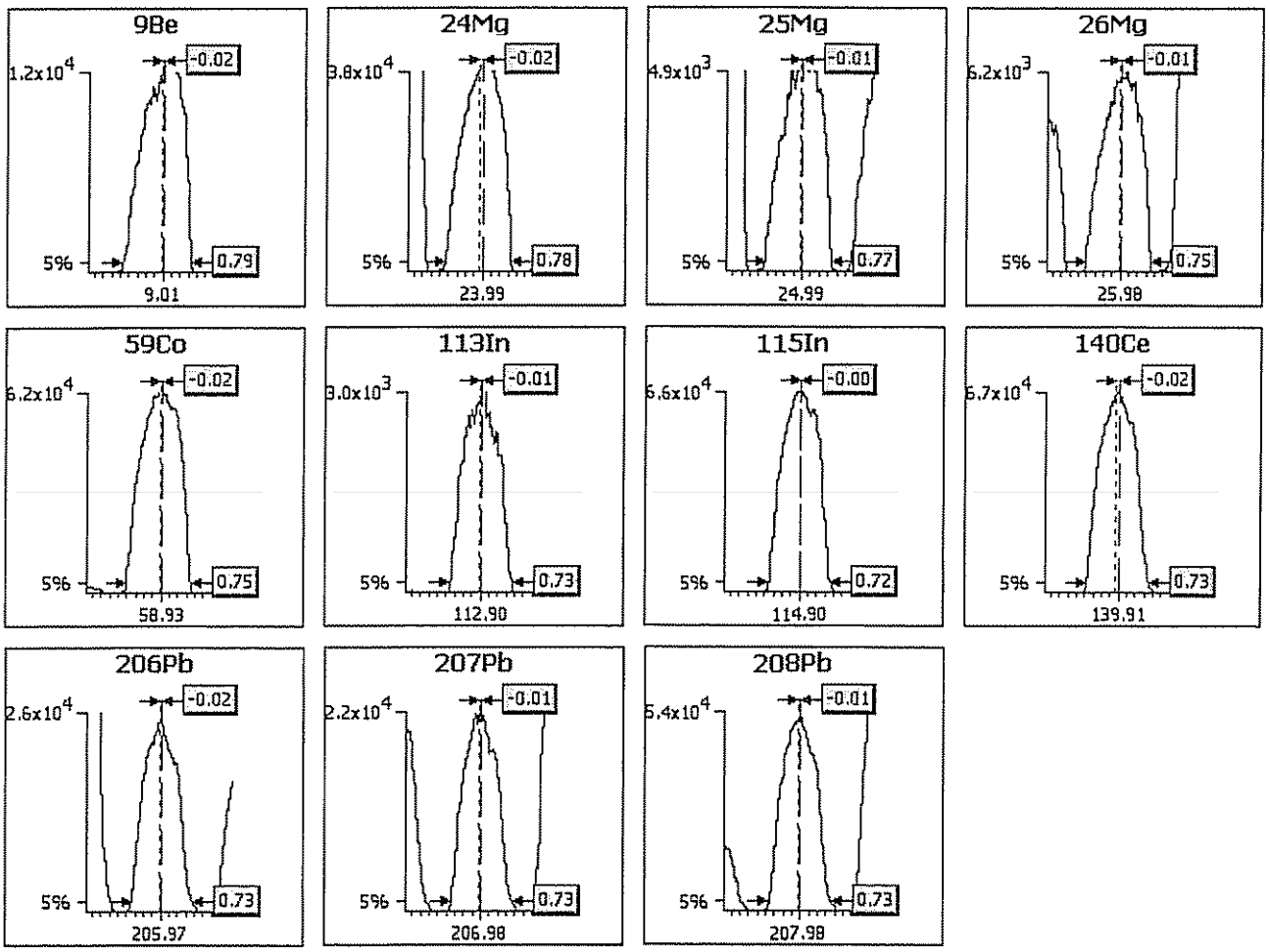
FORM XV - IN CLP_ILM05.3

Performance Report

Sample details
Acquired at : 09/08/2006 12:12:17 PM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.01 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error

9Be	0.90	0.45	0.10	0.79	-0.02
24Mg	0.90	0.45	0.10	0.78	-0.02
25Mg	0.90	0.45	0.10	0.77	-0.01
26Mg	0.90	0.45	0.10	0.75	-0.01
59Co	0.90	0.45	0.10	0.75	-0.02
113In	0.90	0.45	0.10	0.73	-0.01
115In	0.90	0.45	0.10	0.72	-0.00
140Ce	0.90	0.45	0.10	0.73	-0.02
206Pb	0.90	0.45	0.10	0.73	-0.02
207Pb	0.90	0.45	0.10	0.73	-0.01
208Pb	0.90	0.45	0.10	0.73	-0.01

Sample details
Acquired at : 09/08/2006 12:12:17 PM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Tune conditions

Major	
Extraction	-145
Lens 1	2.0
Focus	27.1
D1	-41.6
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.91
Sampling Depth	130

Minor	
Lens 2	-49.4
Lens 3	-134.1
Forward power	1404
Horizontal	105
Vertical	410
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	122
High resolution	125
Analogue Detector	2167
PC Detector	3471

Add. Gases

Sensitivity and stability results

Acquisition parameters

Sweeps : 180

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	113In	115In	140Ce
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	Countrate	-	>4000	>5000	>1000	>1000	>10000	>1000	>50000	>50000
1	12:13:47 PM	0.056	11002.272	37899.403	5169.578	5908.508	64108.876	3051.713	69483.020	70454.811
2	12:14:58 PM	0.167	10907.817	37580.393	5206.802	5885.173	63209.415	3012.268	68356.689	69851.054
3	12:16:09 PM	0.056	10944.488	37776.578	5253.471	5895.174	63952.109	2996.156	68292.756	69967.802
4	12:17:20 PM	0.167	11067.835	37404.216	5278.473	5904.619	64322.903	3001.156	68661.898	69844.383
5	12:18:32 PM	0.000	11075.613	37439.229	5214.580	5766.833	63117.135	3011.156	68143.210	69994.488
x		0.089	10999.605	37619.964	5224.581	5872.061	63742.088	3014.490	68587.514	70022.507
σ		0.07	74.00	214.12	42.37	59.51	545.50	21.88	535.03	250.89
%RSD		83.853	0.673	0.569	0.811	1.014	0.856	0.726	0.780	0.358

Run	Time	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	2.0%	2.0%	2.0%	-
	Countrate	-	>10000	>10000	>25000	<2
1	12:13:47 PM	777.966	26116.188	21884.617	53615.480	0.222
2	12:14:58 PM	757.410	25943.921	21606.223	53034.059	0.000
3	12:16:09 PM	786.114	25863.900	21583.440	52514.897	0.000
4	12:17:20 PM	768.892	25666.627	21701.799	53082.418	0.167
5	12:18:32 PM	767.781	25739.423	21649.565	52658.861	0.056
x		771.633	25866.012	21685.129	52981.143	0.089
σ		10.89	176.38	120.32	429.15	0.10
%RSD		1.411	0.682	0.555	0.810	113.537

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0200
1	12:13:47 PM	0.011

2	12:14:58 PM	0.011
3	12:16:09 PM	0.011
4	12:17:20 PM	0.011
5	12:18:32 PM	0.011
x		0.0110
σ		0.00
%RSD		1.2900

Result : The performance report passed.

Dilution Corrected Concentrations

BLANK 09/08/2006 01:19:22 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.000%	0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	100.000%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	-0.000	-0.000	0.000	0.000	-0.000	0.000	-0.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	0.000	0.000	-0.000	0.000	0.000	0.000	-0.000	-0.000

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	-0.000	100.000%	0.000	-0.000	-0.000	0.000	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.000%	0.000	-0.000	-0.000	100.000%

STD1 09/08/2006 01:24:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.126%	5.049	0.637	0.279	0.285	T4861.000	0.403	28.150	105.427%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.470	51.610	50.810	-3121.000	49.470	T4917.000	50.020	50.490	50.460

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.060	50.320	0.082	50.320	50.790	0.000	50.000	50.260	49.710

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.782	50.140	49.730	104.141%	51.490	50.320	50.730	51.170	0.045

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		104.195%	49.290	50.030	49.630	104.421%

STD2 09/08/2006 01:29:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.253%	10.570	0.360	0.102	0.171	TM 10070.000	0.542	60.010	106.026%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.400	103.000	102.400	-2236.000	99.470	TM 10040.000	100.900	103.100	103.100
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.300	101.100	0.146	99.410	100.700	0.000	107.200	102.000	M 100.100
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-3.796	M 99.930	99.060	101.892%	102.700	100.900	99.960	102.300	0.141
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.975%	103.300	102.500	99.940	98.736%				

STD7 09/08/2006 01:34:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.584%	0.005	-0.759	-0.102	-0.072	0.845	0.894	-2.629	103.047%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.915	0.674	0.103	3342.000	0.009	2.466	-0.001	0.014	0.013
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.732	-0.297	0.076	-0.547	-0.001	0.000	M 250.000	0.121	0.275
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-3.108	0.038	1.969	102.308%	-0.017	0.016	0.022	0.046	0.001
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.985%	0.322	0.344	0.003	101.628%				

STD3 09/08/2006 01:39:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.840%	M 49.880	3.175	0.575	0.656	4.383	1.754	125.800	101.315%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 999.800	TM 999.600	TM 999.700	-12410.000	TM 1000.000	TM 49840.000	TM 999.900	M 749.600	M 999.700
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 499.800	M 199.400	0.045	M 200.200	M 199.500	0.000	M 557.600	M 999.800	M 100.800
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-10.320	M 99.650	M 200.500	100.997%	M 999.700	M 499.800	M 499.900	M 999.700	1.419
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.162%	M 198.500	M 198.700	TM 2000.000	102.446%				

STD4 09/08/2006 01:44:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.538%	0.010	T 987.200	T 992.300	1017.000	1.693	T 999.600	1030.000	99.554%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.156	0.535	1.236	-14070.000	0.084	3.154	0.052	0.274	0.505
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.002	-0.073	-0.054	-0.239	0.033	0.000	0.135	0.708	0.005
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.085	0.005	0.036	99.075%	0.369	0.311	0.309	0.127	0.004
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		99.434%	0.628	0.649	0.124	100.123%				

STD5 09/08/2006 01:50:02 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.037%	0.004	T 9968.000	T 9972.000	T 9983.000	0.620	T 9994.000	9912.000	102.329%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn56	Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.096	0.755	0.746	-14390.000	0.246	2.514	0.009	0.121	0.072

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.513	-0.079	0.049	-0.382	0.133	0.000	0.048	0.123	0.007

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.046	0.005	0.013	101.863%	0.128	0.045	0.044	0.056	0.009

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.233%	0.210	0.204	0.147	101.484%

STD6 09/08/2006 01:55:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.109%	0.002	TM 20020.000	TM 20010.000	TM 20010.000	1.072	TM 20000.000	TM 20040.000	102.999%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.061	0.455	0.672	-11180.000	0.477	3.507	0.012	0.132	0.084

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.829	0.129	0.166	-0.711	0.234	0.000	0.044	0.105	0.009

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.095	0.008	-0.022	101.188%	0.088	0.032	0.027	0.141	0.006

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.259%	0.111	0.130	0.225	100.327%

ICV 09/08/2006 02:00:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.632%	4.255	τ4894.000	τ4911.000	τ4865.000	τ477.400	τ4903.000	4971.000	99.872%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.910	43.520	39.440	6823.000	41.350	τ507.800	40.990	41.290	41.150

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.570	40.790	0.134	40.790	41.560	0.000	41.520	41.800	40.500

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.481	40.510	4.523	101.059%	42.550	42.140	42.370	42.560	0.070

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.151%	41.270	42.010	41.550	103.770%

ICV(CD) 09/08/2006 02:05:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.968%	0.003	-0.990	0.196	0.154	0.416	0.082	-3.624	96.551%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.060	-0.716	-0.542	11390.000	0.012	-0.053	0.006	0.004	0.015

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.286	-0.060	0.010	-0.097	0.000	0.000	0.139	0.089	0.006

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.050	0.004	3.851	96.880%	0.012	0.017	0.013	-0.029	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.757%	0.270	0.279	0.015	98.644%

ICB 09/08/2006 02:10:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.366%	0.003	-1.105	0.078	0.019	-0.120	0.262	-4.752	96.740%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.015	0.138	-0.195	5925.000	-0.009	-1.386	0.002	0.001	-0.023
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.260	0.006	-0.013	-0.455	-0.005	0.000	0.062	0.020	0.002
Run	Time	108Mo O	109Ag111	0Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.071	0.001	0.016	95.416%	-0.000	0.009	-0.008	-0.001	0.006
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		95.841%	0.106	0.094	0.004	95.436%				

CCV 09/08/2006 02:15:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.878%	5.132	τ9768.000	τ9871.000	τ9873.000	τ4873.000	τ9803.000	9789.000	94.198%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.340	52.360	50.670	-12520.000	49.800	τ4971.000	50.130	50.160	50.010
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.440	50.280	0.032	50.430	51.420	0.000	52.580	51.560	49.590
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.819	49.870	49.750	95.071%	51.560	51.230	50.950	50.800	0.056
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.110%	50.570	51.240	50.720	97.262%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.297%	0.000	-1.055	0.221	0.330	-0.091	-0.557	-4.131	95.536%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.055	0.666	-0.025	-6031.000	-0.005	-1.396	0.004	-0.010	-0.031
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.545	-0.033	-0.101	-0.442	-0.008	0.000	0.123	0.062	0.003
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.062	0.002	-0.022	96.297%	-0.015	0.009	0.009	-0.011	0.001
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.334%	0.259	0.263	0.007	98.438%				

PQL 09/08/2006 02:26:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.356%	0.201	τ931.700	91.510	97.490	93.960	τ942.000	984.400	95.031%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.995	11.320	2.085	-18970.000	1.993	45.870	1.003	1.023	2.203
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.170	5.037	-0.137	4.459	2.094	0.000	0.087	5.133	0.314
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	0.316	0.516	96.155%	5.116	1.194	1.108	5.415	0.004
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.596%	2.026	2.048	1.954	100.895%				

PQL(ZR) 09/08/2006 02:31:13 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.560%	0.005	-0.954	0.034	0.040	-0.092	-1.437	-3.555	95.085%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.100	0.906	-0.101	-8605.000	-0.008	-1.700	0.001	-0.004	-0.034

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.068	0.000	-0.080	-0.370	-0.012	0.000	8.817	0.013	0.014

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.035	0.002	0.044	95.872%	-0.017	0.004	0.005	-0.013	0.003

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.476%	0.044	0.046	0.001	98.361%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		78.462%	0.001	TM 259300.000	TM 99470.000	TM 99340.000	TM 97240.000	TM 100200.000	TM 302800.000	82.419%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2131.000	-0.532	-0.485	-55420.000	0.057	TM 238700.000	0.157	0.530	1.089

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.273	0.817	0.405	-0.009	4.254	0.000	2.751	M 2027.000	0.089

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.118	0.093	-0.124	84.037%	0.104	0.203	0.203	0.496	0.042

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		89.411%	0.105	0.102	0.134	81.579%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		77.567%	18.590	TM 264500.000	TM 100300.000	TM 99530.000	TM 97690.000	TM 100200.000	TM 303400.000	80.481%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2126.000	21.000	19.410	-64750.000	19.410	TM 237700.000	18.710	18.420	18.330

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		19.060	19.300	0.230	17.770	24.920	0.000	16.200	M 2017.000	17.440

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.637	17.530	17.100	83.255%	20.480	19.310	19.340	21.040	0.104

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		90.002%	21.540	21.770	21.560	81.958%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.066%	M 245.200	33.770	6.175	6.206	9.284	11.190	3207.000	89.724%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 4889.000	TM 4974.000	TM 5018.000	T 90290.000	TM 4966.000	TM 244800.000	TM 4943.000	TM 3815.000	TM 5113.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2406.000	M 968.700	0.046	M 958.400	TM 6087.000	0.000	M 562.600	TM 5431.000	M 495.400

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb12	3Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-23.990	M 497.700	M 969.000	91.000%	TM 4883.000	M 515.400	M 512.800	TM 5089.000	6.411

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.009%	TM 1019.000	TM 1012.000	TM 9930.000	96.686%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.405%	0.002	6.291	1.623	1.763	1.776	4.383	0.283	96.811%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.924	1.302	1.730	-42150.000	0.022	6.471	0.036	0.019	0.012

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.010	-0.294	-0.107	-0.292	0.039	0.000	TM 948.300	0.867	1.134

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-11.390	0.132	7.679	99.537%	0.401	0.012	0.014	0.052	0.004

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.183%	0.542	0.548	0.103	102.984%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.723%	0.110	T 478.900	48.910	51.460	50.200	485.700	500.300	96.828%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.249	6.636	2.263	-43340.000	1.021	29.730	0.548	0.572	1.109

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.861	2.208	-0.174	1.799	1.053	0.000	1.241	2.779	0.168

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.091	0.166	0.244	97.832%	2.797	0.552	0.594	2.848	0.005

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.687%	1.141	1.166	1.070	99.574%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.990%	4.997	τ9751.000	τ9780.000	τ9756.000	τ4764.000	τ9700.000	9793.000	92.541%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.900	52.690	51.920	-35860.000	49.990	τ4952.000	49.680	49.750	50.650
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.550	50.440	-0.087	51.830	50.930	0.000	54.640	51.150	49.350
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.640	49.660	49.700	93.691%	51.390	50.290	50.400	50.140	0.069
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.445%	51.140	51.440	50.440	96.700%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.742%	0.005	1.561	0.507	0.512	0.274	0.614	-4.019	96.651%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.173	0.650	1.008	-26390.000	-0.006	1.167	0.011	-0.003	-0.014
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.402	0.226	-0.125	-0.321	0.010	0.000	0.131	0.093	0.002
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.030	0.003	-0.014	96.640%	0.077	0.013	0.006	0.065	0.000
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.798%	0.290	0.272	0.019	97.937%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.787%	-0.002	9.422	14.000	14.650	49.800	1.740	151.500	95.557%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.509	-0.287	-0.200	11260.000	0.091	5.410	0.015	0.185	0.045

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.728	0.201	-0.043	0.151	2.268	0.000	2.866	0.056	0.004

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.048	0.001	0.001	94.801%	2.748	0.130	0.139	5.519	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		96.364%	0.015	0.014	0.052	98.241%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.132%	4.975	τ964.000	τ963.100	1000.000	τ956.700	τ944.000	1112.000	97.167%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		207.800	53.870	52.620	6929.000	102.600	τ994.500	51.850	53.110	52.710

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.000	9.773	-0.011	9.640	104.900	0.000	47.030	52.620	10.440

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.716	10.450	10.520	96.327%	55.820	10.290	10.440	104.600	0.156

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.488%	10.240	10.450	103.100	99.439%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.664%	1.094	T 10720.000	T 2881.000	2797.000	TM 37020.000	T 12670.000	5106.000	102.905%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1600.000	35.320	27.350	-30700.000	227.800	TM 14150.000	3.949	9.101	7.930

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.700	3.351	0.063	0.060	102.500	0.000	36.160	0.867	0.071

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.290	0.086	0.483	94.029%	4.412	0.324	0.331	345.000	4.150

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.703%	0.349	0.354	T 861.200	98.279%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.303%	1.335	T 16340.000	T 3519.000	T 3503.000	TM 45210.000	T 17020.000	7284.000	103.271%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1399.000	32.400	13.940	-34470.000	T 314.700	TM 15360.000	4.374	8.486	9.828

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.540	2.083	0.011	0.221	156.300	0.000	29.300	0.298	0.061

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.403	0.065	0.357	92.589%	3.693	0.200	0.232	531.700	5.427

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.155%	0.380	0.377	14.690	95.174%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.988%	1.425	T 8713.000	T 3686.000	T 3674.000	TM 41970.000	T 12660.000	3598.000	101.371%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1631.000	51.790	24.700	-36510.000	T 583.800	TM 21910.000	9.767	12.440	11.610

Run	Time	66Zn75	As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.840	7.281	0.047	0.743	83.030	0.000	39.400	0.897	0.085

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.585	0.083	0.497	93.482%	4.098	0.319	0.347	381.200	6.006

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.484%	0.380	0.401	23.080	99.024%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.380%	1.261	T 12380.000	T 4563.000	T 4531.000	TM 46570.000	T 13670.000	6416.000	102.496%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1828.000	54.790	26.630	-37000.000	T 609.100	TM 22950.000	6.860	14.250	13.790

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.840	5.593	0.066	0.522	130.700	0.000	38.830	0.683	0.097

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.517	0.073	0.471	93.814%	5.457	0.352	0.417	389.100	5.404

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.736%	0.351	0.361	40.550	100.094%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.515%	1.355	T 12700.000	T 4310.000	T 4287.000	TM 43780.000	T 14520.000	6062.000	101.470%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1629.000	46.910	22.320	-36780.000	T 406.600	TM 19510.000	7.493	11.970	12.680

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		116.900	3.752	0.091	0.474	117.600	0.000	34.560	0.551	0.077

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.416	0.067	0.365	92.248%	3.934	0.639	0.667	369.200	5.179

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		96.534%	0.370	0.370	29.480	94.445%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.743%	6.104	T 12940.000	T 4664.000	T 4632.000	TM 42000.000	T 14360.000	6662.000	102.671%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1635.000	89.900	67.910	-38090.000	T 428.900	TM 18330.000	53.450	58.440	58.690

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		181.000	13.600	0.010	9.368	M 211.300	0.000	77.700	51.370	9.866

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.215	9.813	10.590	95.098%	56.380	10.480	10.640	429.200	5.033

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.579%	10.490	10.600	129.300	99.225%

SD607194-005-023-1/3 09/08/2006 05:03:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.848%	6.201	T 13510.000	T 5426.000	T 5384.000	TM 43910.000	T 14490.000	7906.000	104.218%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1907.000	97.490	71.190	-38390.000	T 454.800	TM 20570.000	54.260	60.000	60.950

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		191.400	13.210	0.102	9.907	M 225.300	0.000	80.790	52.130	10.040

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.966	10.040	10.450	95.290%	57.450	10.580	10.860	467.800	5.902

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.754%	10.600	10.760	132.100	99.423%

PS607194-005-023-1/3 09/08/2006 05:09:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.130%	10.570	T 16560.000	T 8598.000	T 8555.000	TM 41430.000	T 18150.000	10170.000	103.244%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1558.000	63.290	39.780	-40030.000	T 454.900	TM 20180.000	35.190	48.900	39.960

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		182.100	78.260	0.084	66.250	132.800	0.000	TM 582.600	31.610	40.110

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.162	39.830	24.140	94.917%	110.900	78.890	81.470	371.800	5.098

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.959%	104.100	104.800	109.200	99.792%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.117%	5.163	T9891.000	T10020.000	T9988.000	T4894.000	T9798.000	9813.000	93.610%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.490	52.220	51.350	-2328.000	50.000	T4970.000	50.550	50.720	50.250

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.600	50.700	0.132	51.990	51.030	0.000	48.650	51.280	49.690

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.668	49.780	49.750	92.152%	51.510	50.470	50.180	50.660	0.057

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.522%	51.630	51.180	49.930	93.135%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.959%	-0.002	-0.152	0.117	0.095	0.307	-0.815	-4.835	95.182%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.059	-0.051	-0.468	18660.000	0.009	1.903	-0.001	-0.010	-0.021

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.353	-0.106	0.123	-0.568	0.001	0.000	0.165	0.056	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.106	0.001	-0.036	96.318%	0.060	0.053	0.056	0.046	0.003

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.282%	0.142	0.162	0.008	100.423%

SE607194-005-023-1/3 09/08/2006 05:27:57 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.193%	0.240	T 2294.000	T 795.000	818.400	T 8141.000	T 2793.000	1228.000	97.662%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		327.500	9.977	5.217	-19230.000	81.510	T 3798.000	1.497	2.483	2.560
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.800	0.831	0.033	-0.207	22.780	0.000	8.683	0.145	0.014
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.028	0.010	0.056	96.213%	0.753	0.162	0.151	69.880	1.006
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.499%	0.132	0.127	5.373	100.352%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.226%	1.352	T 12720.000	T 4659.000	T 4631.000	TM 48570.000	T 13650.000	7236.000	105.053%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2057.000	63.030	33.630	-40040.000	T 517.700	TM 22960.000	7.039	17.240	17.580
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.970	6.073	0.092	0.841	132.900	0.000	41.650	1.384	0.161
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.694	0.140	2.936	94.303%	5.644	0.479	0.505	415.800	6.162
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.744%	0.402	0.401	58.930	96.455%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.576%	1.239	T 12440.000	T 3464.000	T 3406.000	TM 40080.000	T 14180.000	11650.000	104.540%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1232.000	36.100	20.660	-38590.000	T 339.200	TM 15960.000	4.956	10.780	16.430

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		76.260	4.036	0.106	0.958	181.900	0.000	33.580	0.785	0.077

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.470	0.078	0.521	96.084%	4.152	0.618	0.634	407.500	7.430

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.683%	0.319	0.332	483.300	98.981%

S 607194-008-008-1/1 09/08/2006 05:46:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.577%	1.121	T 10760.000	T 3673.000	T 3659.000	TM 40930.000	T 12700.000	6773.000	105.766%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1722.000	55.310	28.630	-42380.000	T 523.500	TM 28680.000	5.954	15.840	15.730

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.000	4.862	0.118	0.807	119.800	0.000	37.170	0.874	0.112

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.601	0.089	4.958	96.853%	5.643	0.483	0.496	360.300	4.789

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.189%	0.341	0.350	62.290	99.598%

S 607194-009-009-1/1 09/08/2006 05:52:40 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.441%	1.127	T 16160.000	T 778.800	766.400	TM 40410.000	T 15140.000	7181.000	104.481%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1009.000	39.720	6.281	-36340.000	125.600	T 7394.000	1.166	3.928	8.925

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.340	2.792	0.045	0.231	M 201.300	0.000	19.350	0.686	0.189

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.186	0.198	0.177	97.459%	6.169	0.948	0.940	600.800	2.752

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.542%	0.266	0.284	76.600	101.251%

S 607194-010-010-1/1 09/08/2006 05:58:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.663%	1.313	T 15470.000	T 3089.000	3010.000	TM 44450.000	T 17080.000	5820.000	105.164%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1177.000	30.690	17.450	-41680.000	T 286.900	TM 13950.000	4.074	8.026	6.953

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		37.270	1.989	0.064	0.289	148.000	0.000	33.010	0.378	0.069

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.526	0.060	0.370	96.124%	3.517	0.156	0.142	494.600	4.688

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.135%	0.366	0.346	11.410	96.961%

S 607194-011-011-1/1 09/08/2006 06:05:04 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.868%	0.230	T 1693.000	T 518.700	532.100	T 6914.000	T 1858.000	2867.000	100.159%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		514.600	30.650	5.038	-26290.000	123.000	T 4629.000	0.862	7.254	35.370
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		22.960	0.721	0.124	0.371	32.320	0.000	12.340	0.624	0.139
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.106	0.124	0.167	99.468%	4.838	0.717	0.675	64.080	0.843
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.118%	0.064	0.065	42.760	105.031%				

S 607194-012-012-1/1 09/08/2006 06:11:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.148%	1.447	T 13510.000	T 4233.000	T 4225.000	TM 41760.000	T 14620.000	6727.000	108.077%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1479.000	43.350	27.450	-43240.000	T 449.800	TM 20540.000	6.126	12.680	73.110
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.940	2.485	0.126	0.277	135.100	0.000	42.930	0.597	0.154
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.540	0.133	1.570	98.332%	6.471	0.641	0.655	381.900	5.672
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.097%	0.320	0.338	46.270	101.231%				

S 607194-013-013-1/1 09/08/2006 06:17:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.274%	0.434	T483.500	246.400	262.800	T7580.000	T594.900	1121.000	102.512%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		157.200	11.530	3.286	-21960.000	29.320	T1089.000	2.225	4.112	8.985
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.290	0.265	0.092	0.831	13.470	0.000	3.369	0.499	0.076
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.084	0.070	0.189	100.393%	4.373	0.275	0.274	37.230	2.850
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.206%	0.007	0.009	27.490	102.874%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.385%	0.503	T4292.000	T374.700	391.900	TM11690.000	T3528.000	3591.000	102.689%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		281.700	12.020	2.996	-24600.000	112.800	T1795.000	1.037	2.778	6.657
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.840	3.337	0.029	0.085	75.890	0.000	5.888	1.916	0.036
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.102	0.032	0.309	99.694%	3.686	0.287	0.265	207.400	1.508
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.211%	0.052	0.051	18.860	103.220%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.654%	4.878	τ9688.000	τ9718.000	τ9690.000	τ4772.000	τ9686.000	9759.000	95.699%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.980	53.190	51.110	-10960.000	49.760	τ4958.000	49.730	49.210	50.020
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.790	49.790	0.177	49.850	51.070	0.000	49.100	51.070	49.270
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.455	49.490	49.320	96.750%	51.710	50.110	50.390	50.090	0.077
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.455%	49.840	50.190	49.980	99.933%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.540%	-0.003	-0.566	0.138	0.131	0.772	-1.048	-4.604	100.221%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.137	-0.489	-0.118	13840.000	0.013	4.129	0.001	-0.009	-0.025
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.237	0.016	0.122	-0.174	-0.000	0.000	0.165	0.053	0.002
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.048	0.001	-0.018	100.274%	0.016	0.015	0.005	0.073	0.001
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.116%	0.122	0.123	0.004	102.999%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.803%	0.066	T 468.500	323.400	347.400	T 1778.000	T 894.800	689.100	100.649%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.900	6.041	0.908	-10710.000	40.700	T 846.800	0.321	4.195	6.394
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15.380	0.341	0.064	0.061	10.590	0.000	3.641	0.303	0.117
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	0.123	0.077	99.093%	3.709	0.331	0.318	27.610	0.238
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.480%	0.052	0.036	21.360	99.756%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.521%	0.613	T 5055.000	T 7225.000	T 7163.000	TM 18620.000	T 6495.000	8441.000	102.846%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		H 1183.000	57.020	69.240	-31050.000	T 635.300	TM 45120.000	9.972	36.280	56.020
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		389.700	5.179	0.119	0.558	79.030	0.000	26.390	2.575	0.169
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.429	0.180	6.391	97.402%	19.870	4.614	4.608	365.700	3.081
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.162%	0.169	0.155	TM 2091.000	101.034%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.434%	1.364	T 12670.000	T 6189.000	T 6157.000	TM 47840.000	T 13630.000	7057.000	107.236%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1812.000	59.530	28.830	-44900.000	T 551.400	TM 25150.000	9.126	16.520	31.770

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		116.900	4.271	0.061	0.541	140.200	0.000	37.650	0.532	0.084

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.492	0.077	0.613	97.295%	17.940	2.058	1.997	393.200	6.531

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.169%	0.339	0.328	46.860	100.192%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.176%	1.051	T 10020.000	T 2437.000	2381.000	TM 35960.000	T 12820.000	4328.000	105.187%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1543.000	38.740	18.770	-43730.000	T 237.700	TM 14690.000	3.472	7.250	7.189

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.390	4.557	0.066	0.279	97.300	0.000	35.190	0.722	0.066

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.355	0.069	0.409	98.662%	4.245	0.294	0.294	354.000	4.133

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.449%	0.296	0.293	332.300	102.646%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.779%	1.299	T 15450.000	T 3124.000	T 3070.000	TM 43790.000	T 16970.000	6202.000	106.074%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		H 1349.000	31.120	15.900	-42990.000	T 271.100	TM 13520.000	4.035	7.170	7.716

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.960	1.736	0.073	0.256	142.300	0.000	32.260	0.265	0.064

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.351	0.071	0.288	95.420%	3.473	0.182	0.183	525.200	5.024

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.110%	0.337	0.325	11.870	94.710%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.997%	0.473	T 501.200	239.700	256.900	T 7958.000	T 603.600	1136.000	100.045%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		164.200	11.150	2.668	-21940.000	27.350	T 1039.000	2.135	4.123	10.200

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.600	0.170	0.094	0.594	13.740	0.000	3.640	0.538	0.080

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.034	0.070	0.194	100.313%	4.045	0.314	0.318	38.010	3.112

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		104.831%	-0.002	0.008	28.720	106.125%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.585%	-0.004	3.646	4.285	4.794	4.647	-0.710	41.820	97.652%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.483	0.371	0.679	-12270.000	0.029	5.018	0.003	0.103	0.019
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.552	-0.067	0.034	-0.418	0.166	0.000	0.240	0.010	0.001
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.108	0.000	-0.037	99.583%	2.282	0.020	0.006	0.342	0.003
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.473%	-0.031	-0.037	0.019	103.315%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.539%	5.126	τ979.900	τ960.600	996.000	τ955.000	τ957.900	1126.000	97.234%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		207.700	54.760	53.610	-15090.000	104.400	τ992.700	52.720	53.160	52.970
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.100	10.370	0.084	9.641	107.800	0.000	45.050	52.440	10.470
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.538	10.390	10.470	97.921%	56.050	10.330	10.470	106.700	0.177
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.609%	10.820	10.660	105.000	100.483%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.016%	0.483	T 4733.000	T 4715.000	T 4676.000	TM 14850.000	T 3736.000	7484.000	103.248%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		768.300	42.270	32.470	-29370.000	T 368.300	TM 22970.000	6.440	20.570	34.020
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		224.400	2.945	0.096	0.569	60.180	0.000	16.410	1.124	0.109
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.302	0.105	3.265	98.474%	12.570	2.429	2.419	228.000	2.237
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.060%	0.114	0.113	T 937.500	101.123%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.925%	1.324	T 8244.000	T 4594.000	T 4574.000	TM 32910.000	T 9471.000	7577.000	105.693%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1339.000	67.770	33.080	-36900.000	T 805.900	TM 77950.000	12.640	25.170	149.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		257.600	15.330	0.140	0.257	100.300	0.000	27.790	1.770	0.153
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.374	0.140	2.777	97.557%	9.372	2.260	2.334	296.000	5.243
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.865%	0.250	0.253	249.700	99.597%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.706%	5.184	↹10020.000	↹10100.000	↹10110.000	↹4955.000	↹9918.000	9886.000	94.947%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.540	52.380	51.730	3520.000	50.400	↹5027.000	51.130	51.060	50.960

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.230	50.140	0.148	51.120	51.040	0.000	49.420	51.470	49.450

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.629	49.580	49.720	92.723%	51.470	50.340	49.630	50.780	0.060

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.609%	51.990	51.570	50.610	91.439%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.740%	-0.002	0.019	0.389	0.442	1.838	0.043	-3.672	97.931%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.141	-0.511	-0.729	25830.000	0.024	5.908	0.001	-0.005	-0.034

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.026	0.244	0.088	-0.006	0.009	0.000	0.180	0.043	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.108	0.001	-0.036	98.479%	0.026	0.022	0.000	0.032	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.019%	0.130	0.113	0.015	99.990%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.355%	0.853	T 6565.000	T 10820.000	T 10780.000	TM 26560.000	T 7441.000	8469.000	105.802%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1252.000	60.970	86.920	-32070.000	T 904.200	TM 24930.000	10.820	51.870	18.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		163.600	4.523	0.083	0.650	95.810	0.000	25.540	1.257	0.167
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.236	0.159	0.818	98.041%	7.046	1.521	1.470	264.900	3.589
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.424%	0.254	0.257	T 633.000	101.182%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.969%	5.192	T 7031.000	T 10420.000	T 10430.000	TM 24030.000	T 7290.000	7258.000	106.286%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1076.000	92.910	119.100	-33710.000	T 877.300	TM 21390.000	50.370	86.300	57.310
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		241.200	11.870	0.099	8.530	161.900	0.000	57.900	43.990	8.591
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.880	8.531	9.039	96.611%	59.860	9.669	10.040	307.900	3.145
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.950%	9.390	9.104	T 648.600	95.453%				

SD607192-003-016-1/3 09/08/2006 08:08:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.966%	4.734	T 6721.000	T 11260.000	T 11240.000	TM 27280.000	T 7301.000	6651.000	106.342%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1145.000	101.500	109.300	-37510.000	T 844.800	TM 24740.000	49.750	82.050	53.700

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		232.700	11.440	0.108	8.405	153.800	0.000	59.870	42.490	8.310

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.893	8.242	9.301	99.200%	47.770	9.147	9.573	301.400	3.530

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.206%	8.742	8.766	T 630.700	101.781%

PS607192-003-016-1/3 09/08/2006 08:14:38 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.045%	10.820	T 11520.000	T 15540.000	T 15550.000	TM 27390.000	T 12030.000	12880.000	109.330%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1243.000	78.520	104.900	-37170.000	T 964.300	TM 26610.000	39.320	88.570	46.790

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		231.500	80.690	0.084	67.270	115.200	0.000	M 586.000	32.720	40.520

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.439	40.730	24.840	98.007%	115.200	83.980	86.930	282.700	3.551

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.342%	104.900	105.400	T 711.200	99.983%

SE607192-003-016-1/3 09/08/2006 08:20:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.457%	0.183	T 1352.000	T 2245.000	2253.000	T 5559.000	T 1558.000	1854.000	101.690%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		267.000	13.960	19.660	-25010.000	192.700	T 5265.000	2.347	11.200	3.946

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		37.880	0.669	0.062	-0.188	19.860	0.000	4.949	0.362	0.034

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.054	0.037	0.113	98.413%	1.453	0.355	0.322	54.360	0.800

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.059%	0.232	0.219	129.100	100.297%

S 607192-004-006-1/1 09/08/2006 08:27:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.366%	1.563	T 11230.000	T 8064.000	T 8021.000	TM 46950.000	T 11840.000	7290.000	110.314%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1773.000	67.480	35.090	-46020.000	T 655.100	TM 31690.000	13.500	26.280	47.580

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		135.600	5.962	0.025	0.585	116.700	0.000	41.100	1.000	0.112

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.557	0.091	0.886	98.417%	5.580	0.677	0.668	355.800	6.233

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.639%	0.373	0.384	307.300	99.694%

S 607192-007-009-1/1 09/08/2006 08:33:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.387%	0.349	τ 2370.000	τ 1379.000	1385.000	τ 9191.000	τ 2577.000	3169.000	102.069%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		523.700	20.390	6.756	-26240.000	τ 455.500	τ 6075.000	3.347	6.418	8.980

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.060	1.733	0.090	-0.141	37.200	0.000	11.230	0.389	0.045

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	0.049	0.187	97.860%	3.334	0.151	0.156	72.750	1.859

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.619%	0.120	0.117	51.660	97.950%

S 607192-010-012-1/1 09/08/2006 08:39:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.938%	1.288	τ 10560.000	τ 5363.000	τ 5303.000	τM 42360.000	τ 12200.000	5715.000	107.243%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1529.000	52.960	26.160	-43940.000	τ 483.700	τM 24460.000	8.491	16.420	32.280

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		114.600	3.980	0.084	0.461	107.900	0.000	37.330	0.546	0.076

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.511	0.077	0.640	97.945%	17.690	2.192	2.207	343.500	5.768

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.714%	0.318	0.329	46.590	100.639%

S 607192-011-013-1/1 09/08/2006 08:45:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.383%	1.355	T 12860.000	T 7349.000	T 7304.000	TM 50030.000	T 14000.000	6120.000	110.002%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1685.000	60.140	29.670	-46070.000	T 480.600	TM 28140.000	10.160	18.650	17.450
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		54.280	4.187	0.121	-0.071	121.000	0.000	42.630	0.361	0.082
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.677	0.070	0.466	98.046%	3.805	0.263	0.281	405.800	6.746
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.727%	0.334	0.339	17.320	99.857%				

S 607192-012-019-1/3 09/08/2006 08:51:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.998%	1.362	T 11290.000	T 6839.000	T 6863.000	TM 47960.000	T 12990.000	6225.000	108.808%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1849.000	63.130	30.590	-43550.000	T 579.900	TM 28720.000	10.320	17.920	52.950
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		154.800	4.852	0.093	0.072	118.200	0.000	38.470	0.539	0.088
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.508	0.069	0.522	95.574%	57.230	2.762	2.723	374.600	6.276
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		99.106%	0.350	0.334	85.610	95.404%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.863%	5.070	T9699.000	T9684.000	T9755.000	T4771.000	T9653.000	9848.000	94.913%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.730	51.850	51.450	-8220.000	49.970	T4977.000	50.050	50.480	50.460
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.560	49.950	0.221	50.570	51.540	0.000	50.110	51.430	49.700
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.725	49.730	49.870	95.027%	51.890	50.700	50.250	50.700	0.088
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.297%	50.400	50.860	50.730	97.731%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.620%	-0.004	-0.692	0.200	0.239	1.232	-0.818	-5.211	99.673%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.096	0.156	0.038	16750.000	0.036	4.267	0.001	-0.025	-0.041
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.899	0.043	0.121	-0.444	-0.001	0.000	0.145	0.025	0.004
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.045	0.001	-0.018	97.371%	0.021	0.003	0.006	0.025	0.001
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.475%	0.180	0.166	0.012	96.834%				

SP607192-012-019-1/3 09/08/2006 09:10:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.577%	6.574	T 11640.000	T 7599.000	T 7505.000	TM 45500.000	T 12930.000	7608.000	107.659%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1955.000	109.400	79.480	-42100.000	T 648.800	TM 27010.000	59.310	68.930	101.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		245.100	14.130	0.119	10.200	M 217.500	0.000	87.970	54.530	10.670
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.217	10.530	11.280	96.897%	110.900	13.680	13.810	472.300	6.222
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.062%	11.410	11.640	194.800	98.890%				

SD607192-012-019-1/3 09/08/2006 09:16:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.069%	6.353	T 12520.000	T 7449.000	T 7426.000	TM 47770.000	T 13240.000	6846.000	108.439%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1946.000	109.200	78.140	-44870.000	T 651.500	TM 28860.000	57.840	66.590	100.400
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		247.700	14.140	0.114	10.220	M 224.300	0.000	89.920	52.410	10.240
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.269	10.220	10.940	97.688%	112.800	13.240	13.610	474.700	6.409
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.844%	11.060	11.340	193.100	99.191%				

PS607192-012-019-1/3 09/08/2006 09:22:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.388%	11.350	T 15680.000	T 11380.000	T 11360.000	TM 46070.000	T 16950.000	10270.000	108.551%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1750.000	78.650	47.520	-42960.000	T 618.600	TM 28560.000	38.230	54.790	77.570

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		216.900	78.330	0.177	65.100	130.400	0.000	TM 598.000	31.370	40.470

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.767	40.030	24.540	96.032%	161.800	85.260	87.500	371.900	6.036

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.845%	107.500	107.300	162.700	95.825%

SE607192-012-019-1/3 09/08/2006 09:28:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.745%	0.270	T 2214.000	T 1367.000	1379.000	T 9519.000	T 2639.000	1337.000	100.681%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		396.100	14.050	7.370	-31930.000	122.400	T 5887.000	2.130	3.796	11.120

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		36.160	0.870	0.069	-0.459	23.950	0.000	7.657	0.119	0.018

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	0.018	0.060	99.063%	11.460	0.550	0.552	74.900	1.189

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.924%	0.223	0.240	16.450	103.653%

S 607192-013-001-1/1 09/08/2006 09:34:56 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.495%	1.688	T 12620.000	T 8256.000	T 8233.000	TM 57420.000	T 14970.000	6586.000	110.182%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1933.000	75.520	36.460	-45000.000	T 736.100	TM 36170.000	12.600	23.240	32.620
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		123.500	6.442	0.117	0.701	130.000	0.000	48.900	0.862	0.108
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.719	0.082	0.771	95.543%	15.030	1.455	1.398	416.100	7.277
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.437%	0.524	0.509	70.570	93.468%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.052%	1.253	T 10550.000	T 5468.000	T 5443.000	TM 44340.000	T 14190.000	4755.000	107.886%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1430.000	51.040	27.660	-44600.000	T 363.900	TM 21890.000	7.822	15.570	12.470
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		44.580	3.657	0.047	0.268	104.000	0.000	34.370	0.252	0.061
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.372	0.045	0.290	98.971%	3.521	0.175	0.161	375.000	4.957
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.208%	0.382	0.386	12.890	101.049%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.790%	1.378	T 9734.000	T 6408.000	T 6364.000	TM 45090.000	T 10990.000	5511.000	107.571%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1758.000	57.030	37.760	-44020.000	T 622.000	TM 42400.000	10.270	25.440	61.440
Run	Time	66Zn75	As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		180.700	6.699	0.134	0.321	107.200	0.000	39.360	2.031	0.094
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.565	0.078	0.644	95.667%	49.200	8.320	8.324	331.600	5.611
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.995%	0.343	0.322	100.800	93.735%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.667%	1.130	T 11270.000	T 4723.000	T 4672.000	TM 37890.000	T 11440.000	7164.000	107.825%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1622.000	45.870	23.430	-42260.000	T 474.900	TM 18780.000	7.293	13.600	16.180
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		138.700	3.413	0.074	0.239	127.800	0.000	34.380	0.530	0.084
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.464	0.084	0.740	97.885%	4.212	0.652	0.638	492.000	5.930
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.047%	0.254	0.269	44.580	99.858%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.651%	1.359	T 14910.000	T 6162.000	T 6078.000	TM 47040.000	T 12920.000	7986.000	109.506%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2039.000	57.140	29.530	-45090.000	T 591.300	TM 21960.000	9.654	16.610	21.120
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		126.300	3.781	0.060	0.842	158.300	0.000	37.460	1.023	0.100
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.446	0.090	1.353	96.719%	4.740	13.110	13.030	470.500	6.627
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.940%	0.309	0.303	115.400	96.655%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.019%	0.303	T 1001.000	T 728.200	739.700	T 5678.000	T 1200.000	2462.000	102.177%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		313.700	22.320	6.903	-26780.000	T 676.900	T 6326.000	5.648	3.978	4.989
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.210	3.153	0.091	0.046	28.810	0.000	7.024	0.908	0.067
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.035	0.058	0.204	98.929%	3.658	0.276	0.303	64.770	1.329
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.653%	0.087	0.088	34.310	102.401%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.127%	5.147	τ9674.000	τ9737.000	τ9783.000	τ4816.000	τ9802.000	9858.000	94.316%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.480	51.820	51.160	-6185.000	50.080	τ4953.000	50.150	50.420	50.630

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.370	50.440	0.105	51.110	51.500	0.000	49.760	51.250	49.220

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.697	49.420	49.490	94.332%	51.700	50.480	50.530	50.560	0.083

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.222%	50.200	50.950	50.580	96.192%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.600%	-0.004	-0.653	0.194	0.236	1.252	-1.442	-5.664	99.408%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.053	-0.816	-0.321	17490.000	0.028	4.124	0.000	-0.018	-0.038

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.781	-0.036	0.132	-0.449	-0.007	0.000	0.166	0.036	0.000

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.026	-0.001	-0.014	98.372%	0.019	0.002	-0.005	0.061	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.832%	0.109	0.115	0.007	99.590%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.466%	0.891	T 7717.000	T 4221.000	T 4198.000	TM 27490.000	T 8678.000	7770.000	107.416%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		H 1319.000	57.140	31.400	-41600.000	TM 1872.000	TM 16090.000	11.730	14.460	21.590

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		420.700	22.270	0.047	0.747	105.400	0.000	23.490	0.734	0.161

Run	Time	108Mo O	109Ag11	0Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.256	0.132	1.623	98.610%	5.782	18.570	18.420	310.400	3.902

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.149%	0.279	0.273	T 601.300	101.146%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.512%	-0.004	4.419	4.598	5.022	3.344	-0.884	15.730	100.733%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.101	1.013	1.518	-10950.000	0.070	6.152	0.005	0.093	0.037

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.698	0.170	0.104	-0.315	0.129	0.000	0.001	0.008	0.002

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.042	0.000	-0.019	99.249%	2.409	-0.000	-0.013	0.291	0.004

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.952%	-0.002	-0.009	0.024	100.115%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.721%	4.800	τ904.400	τ901.700	932.900	τ893.800	τ906.300	1029.000	100.038%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		197.800	50.350	49.610	-9510.000	96.200	τ947.400	48.450	48.740	49.240

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.210	9.358	0.189	8.675	99.760	0.000	39.960	49.050	9.708

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.664	9.593	9.687	99.336%	52.930	9.625	9.771	99.030	0.147

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.513%	9.633	9.738	97.350	101.936%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.045%	1.179	55.170	τ4575.000	τ4592.000	τM27750.000	τ2912.000	2944.000	109.591%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		657.900	97.890	35.680	-32570.000	τ982.900	τM38870.000	29.350	16.780	35.190

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		63.530	9.062	0.363	0.911	50.470	0.000	16.810	0.736	0.044

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.430	0.029	0.262	99.075%	2.709	0.165	0.153	178.200	9.153

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.435%	0.223	0.222	16.540	96.426%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		113.217%	0.653	30.120	T 1191.000	1176.000	TM 20800.000	T 1297.000	828.200	108.601%

Run	Time	47Ti	51V	52Cr	53Cl O55	Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		493.000	63.510	32.360	-40010.000	T 822.600	TM 36210.000	12.050	10.070	16.330

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		39.190	5.354	0.263	0.292	8.217	0.000	6.239	0.461	0.029

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.286	0.021	0.183	100.155%	2.470	0.111	0.103	131.600	5.016

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.342%	0.232	0.209	10.790	98.987%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.033%	1.333	81.370	T 2155.000	2131.000	TM 23560.000	T 1106.000	3252.000	107.984%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		253.600	69.170	29.300	-30990.000	T 875.900	TM 34140.000	15.220	13.000	14.830

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		42.140	5.602	0.356	1.305	48.010	0.000	3.551	0.445	0.069

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.398	0.065	0.201	98.295%	2.884	0.085	0.076	175.100	11.120

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.846%	0.187	0.190	14.660	95.103%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.448%	0.988	T 155.500	T 5786.000	T 5805.000	TM 25610.000	T 2839.000	4083.000	106.516%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1852.000	99.820	32.760	-31720.000	T 881.100	TM 38210.000	17.780	22.330	47.140
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.960	6.811	0.306	1.115	48.770	0.000	10.600	0.722	0.062
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.486	0.054	0.361	97.546%	2.467	0.226	0.202	212.600	9.737
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		99.400%	0.227	0.233	15.470	96.915%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.463%	1.294	77.050	T 5870.000	T 5876.000	TM 30800.000	T 3259.000	3250.000	106.830%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2145.000	109.800	37.230	-30220.000	TM 1095.000	TM 40030.000	20.480	22.740	23.790
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.070	7.237	0.300	0.998	29.940	0.000	8.958	0.609	0.057
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.431	0.049	0.394	95.096%	2.420	0.204	0.189	215.400	10.000
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		95.160%	0.267	0.272	19.070	90.490%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.355%	1.170	61.510	T 3528.000	T 3527.000	TM 26330.000	T 1933.000	2505.000	108.396%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		380.900	116.100	38.570	-37870.000	T 883.100	TM 45240.000	27.470	16.520	44.800
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		72.600	14.610	0.343	0.807	34.070	0.000	10.860	0.666	0.038
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.311	0.031	0.296	97.430%	3.021	0.200	0.173	171.600	8.468
Run	Time	159Tb	203Tl20	5Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.879%	0.148	0.149	27.930	95.319%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.698%	1.041	66.060	T 5159.000	T 5199.000	TM 29490.000	T 3085.000	2495.000	107.527%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1187.000	105.400	37.500	-31870.000	T 979.000	TM 38700.000	21.030	16.840	24.090
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		62.560	7.078	0.310	0.318	29.920	0.000	20.610	0.332	0.046
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.527	0.021	0.320	95.888%	2.638	0.157	0.134	185.100	6.328
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		94.906%	0.145	0.136	13.680	90.644%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.791%	5.047	τ9621.000	τ9778.000	τ9795.000	τ4860.000	τ9852.000	9791.000	92.413%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.990	52.960	52.600	-25740.000	50.300	τ5001.000	50.620	51.380	51.000
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.830	50.340	0.061	51.190	51.320	0.000	52.450	51.850	49.630
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.550	49.690	49.760	90.802%	51.810	50.350	50.610	50.890	0.072
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		92.225%	50.070	50.570	50.510	91.171%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.838%	-0.004	-1.615	0.200	0.252	1.355	0.481	-5.942	99.885%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.110	0.106	0.837	-1111.000	0.028	4.587	0.001	-0.015	-0.036
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.711	-0.155	0.050	-0.499	-0.002	0.000	0.143	0.055	0.001
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.037	0.000	0.003	95.673%	-0.018	0.004	-0.011	0.071	0.000
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		94.694%	0.149	0.155	0.005	94.728%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		111.921%	0.508	95.860	T 2309.000	2307.000	TM 14760.000	T 1178.000	1511.000	106.803%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		454.700	68.950	23.930	-29400.000	TM 1126.000	TM 25450.000	20.690	7.476	16.940

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		33.410	4.457	0.238	0.216	23.590	0.000	18.770	0.268	0.035

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.358	0.012	0.213	96.898%	2.695	0.048	0.055	91.180	3.297

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.862%	0.089	0.085	6.020	93.063%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.392%	0.695	134.100	T 3215.000	T 3194.000	TM 19920.000	T 1459.000	2388.000	107.602%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		633.000	88.790	30.030	-33250.000	TM 1354.000	TM 30980.000	21.920	10.310	22.850

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.780	4.759	0.288	0.391	37.360	0.000	20.330	0.298	0.043

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.382	0.015	0.226	97.891%	2.581	0.058	0.065	128.600	5.112

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.009%	0.059	0.065	7.338	95.760%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.915%	1.262	79.990	T 5432.000	T 5457.000	TM 28140.000	T 2909.000	7440.000	106.546%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2359.000	127.700	40.180	-27580.000	TM 1229.000	TM 40230.000	22.920	22.590	23.960

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.660	9.230	0.332	0.855	40.410	0.000	17.830	0.614	0.068

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.555	0.058	0.568	94.848%	2.357	0.222	0.246	218.300	11.330

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.112%	0.287	0.293	19.570	90.901%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.825%	0.984	99.580	T 3430.000	T 3463.000	TM 21680.000	T 1221.000	3734.000	107.152%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		658.100	71.440	30.380	-31370.000	TM 1666.000	TM 31750.000	20.840	17.350	21.450

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.750	8.011	0.288	0.789	44.290	0.000	9.233	0.343	0.063

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.423	0.056	0.330	98.072%	2.557	0.145	0.121	214.300	8.230

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.774%	0.130	0.135	13.250	96.139%

S 608158-003-005-1/2 09/09/2006 12:03:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.782%	1.147	77.290	T 5549.000	T 5598.000	TM 28020.000	T 2861.000	2574.000	106.785%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2107.000	108.800	39.050	-31980.000	TM 1086.000	TM 37200.000	21.070	21.850	26.560
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.340	5.487	0.319	1.046	27.640	0.000	11.390	0.549	0.049
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.372	0.043	0.311	94.382%	2.549	0.179	0.191	209.600	10.160
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		94.501%	0.234	0.228	25.370	89.747%				

S 608158-004-007-1/2 09/09/2006 12:09:34 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.576%	1.121	97.420	T 5561.000	T 5594.000	TM 27750.000	T 2922.000	3193.000	106.172%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2081.000	106.500	35.130	-32990.000	TM 992.800	TM 37460.000	18.940	23.150	23.550
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.030	6.587	0.349	1.303	36.820	0.000	10.740	0.577	0.063
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.444	0.060	0.354	96.541%	2.437	0.368	0.391	190.500	10.370
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.546%	0.217	0.209	73.590	94.298%				

S 608158-005-011-1/6 09/09/2006 12:15:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.409%	1.342	99.910	T 5141.000	T 5196.000	TM 28830.000	T 2334.000	3857.000	107.860%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1897.000	99.950	38.200	-30190.000	TM 1117.000	TM 36570.000	20.710	22.500	25.290

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		81.330	6.871	0.261	1.691	33.440	0.000	12.950	0.476	0.090

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.585	0.088	0.411	95.014%	2.470	0.345	0.355	233.700	12.550

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.680%	0.247	0.226	51.390	90.157%

SP608158-005-011-1/6 09/09/2006 12:21:56 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.669%	6.452	T 1063.000	T 6502.000	T 6531.000	TM 37870.000	T 3725.000	5093.000	105.661%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2323.000	157.100	89.360	-28440.000	TM 1192.000	TM 40360.000	67.720	73.270	74.190

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		174.900	15.800	0.365	10.040	135.700	0.000	46.990	47.460	9.692

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.240	9.741	9.964	94.428%	49.810	2.418	2.695	347.900	13.540

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.438%	10.110	10.130	155.700	91.614%

SD608158-005-011-1/6 09/09/2006 12:28:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.322%	6.843	T 1137.000	T 7077.000	T 7238.000	TM 42340.000	T 4143.000	5576.000	106.027%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		H 2588.000	170.100	97.010	-28430.000	TM 1256.000	TM 44190.000	72.750	80.300	81.550

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		191.900	17.160	0.349	11.740	145.900	0.000	52.260	51.200	10.470

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.368	10.470	11.000	94.019%	53.270	2.566	2.791	375.600	14.740

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.618%	10.830	10.900	154.400	90.153%

PS608158-005-011-1/6 09/09/2006 12:34:18 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.482%	11.490	T 5067.000	T 9975.000	T 10040.000	TM 28760.000	T 7159.000	8487.000	104.192%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		H 1881.000	118.900	56.880	-26660.000	TM 1172.000	TM 37910.000	50.410	62.320	54.360

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		155.800	84.030	0.298	68.290	54.040	0.000	H 583.400	32.110	41.380

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.989	40.940	24.540	93.280%	110.200	82.700	85.560	249.900	12.660

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.238%	104.500	105.200	132.900	91.083%

CCV 09/09/2006 12:40:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.398%	5.109	τ9648.000	τ9760.000	τ9832.000	τ4862.000	τ9840.000	9718.000	93.483%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.590	53.350	52.340	-32730.000	49.820	τ4955.000	50.860	50.880	51.220

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.090	49.750	0.052	50.570	51.330	0.000	53.470	50.940	49.560

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.894	49.560	49.950	89.815%	51.550	50.150	50.190	50.910	0.085

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		90.695%	50.570	50.950	50.320	88.484%

CCB 09/09/2006 12:46:34 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.034%	-0.002	-1.781	0.274	0.322	1.572	1.136	-5.833	99.014%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.113	0.194	0.667	-751.100	0.061	4.969	-0.001	-0.017	-0.042

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.691	-0.176	0.035	-0.226	-0.005	0.000	0.134	0.046	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.068	-0.001	-0.024	95.419%	-0.025	-0.006	-0.004	-0.026	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		93.891%	0.196	0.200	0.005	93.099%

SE608158-005-011-1/6 09/09/2006 12:52:47 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.685%	0.270	19.600	T 1017.000	1052.000	T 5621.000	T 460.500	802.900	103.430%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		397.100	21.670	9.170	-17520.000	230.700	T 7421.000	4.253	4.657	5.324

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.770	1.599	0.130	0.300	6.807	0.000	3.037	0.123	0.010

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.075	0.018	0.067	98.012%	0.461	0.068	0.072	46.870	2.606

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.109%	0.105	0.099	10.150	96.489%

S 608158-006-009-1/2 09/09/2006 12:58:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.439%	1.148	69.460	T 4726.000	T 4754.000	TM 24470.000	T 2201.000	1753.000	104.273%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1645.000	90.530	31.850	-29330.000	T 901.800	TM 31680.000	17.360	18.360	17.770

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		70.390	7.008	0.249	1.492	22.790	0.000	9.495	0.455	0.044

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.376	0.049	0.356	95.205%	2.334	0.176	0.161	191.100	9.314

Run	Time	159Tb	203Tl20	5Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.961%	0.283	0.276	16.350	91.478%

ICSA 09/09/2006 01:05:13 AM

User Pre-dilution: 1.000

RunTime	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	84.065%	-0.000	TM 258300.000	TM 100700.000	TM 100900.000	TM 99560.000	TM 101000.000	TM 301900.000	83.992%

RunTime	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	M 2152.000	0.239	0.389	-66870.000	0.204	TM 239000.000	0.225	0.756	1.277

RunTime	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	2.752	0.315	0.570	-0.294	4.324	0.000	0.734	TM 2113.000	0.102

RunTime	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	2.121	0.093	-0.144	80.839%	0.115	0.174	0.184	0.590	0.034

RunTime	159Tb	203Tl	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb
x	83.171%	0.053	0.063	0.149	74.316%

ICSAB 09/09/2006 01:11:23 AM

User Pre-dilution: 1.000

RunTime	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	83.574%	18.890	TM 263000.000	TM 102000.000	TM 101700.000	TM 100000.000	TM 101600.000	TM 303000.000	82.464%

RunTime	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	M 2172.000	21.660	19.750	-70030.000	19.510	TM 238500.000	19.030	19.140	18.550

RunTime	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	19.080	18.960	0.359	17.590	24.910	0.000	17.650	M 2038.000	17.550

RunTime	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	1.518	17.590	17.470	80.049%	20.330	19.090	18.740	21.280	0.071

RunTime	159Tb	203Tl	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb
x	83.412%	21.430	21.550	21.630	74.145%

CCV 09/09/2006 01:17:30 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.907%	4.908	τ9588.000	τ9480.000	τ9508.000	τ4667.000	τ9492.000	9788.000	92.067%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.220	53.470	51.930	-51830.000	49.430	τ4828.000	49.760	49.550	50.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.730	49.580	-0.128	48.900	51.050	0.000	52.190	52.500	49.240

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.767	49.240	49.560	92.074%	51.620	50.900	50.310	50.670	0.062

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.997%	49.340	50.140	50.200	95.601%

CCB 09/09/2006 01:23:38 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.444%	-0.005	7.030	0.732	0.748	1.908	0.553	-4.606	97.830%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.134	1.149	1.986	-39410.000	0.023	5.850	-0.000	-0.012	-0.047

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.490	0.198	-0.134	-0.578	-0.005	0.000	0.125	0.456	0.000

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.033	0.003	0.004	94.714%	-0.020	-0.006	-0.009	0.069	0.006

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.161%	0.203	0.187	0.005	93.413%

Instrument ID:	HYDRA AA	Method:	T471	Start Seq #:	248	Traceability-Solutions	
Corr. Coef.	0.999941	Data File:	H060911	End Seq #:	329	Rinse 10% HCL Bath:	129-118-03
Test Optics Sample:	88 0048	Rack 1:	060911	Folder:	06SEP	Stannous CL 10%:	129-114-03
Hg Lamp:	8.931 V	Rack 2:		Batch Name:			

GPL - Maryland Laboratory CVAA Analysis Log

Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	Std01Rep1	1	11/11/2006	13:10	31	S 608163-005-009-1/2	1	11/11/2006	14:38	61	S 608158-001-001-1/2	1	11/11/2006	15:51
2	Std01Rep2	1	11/11/2006	13:12	32	S 608163-007-013-1/2	1	11/11/2006	14:41	62	S 608158-002-003-1/2	1	11/11/2006	15:54
3	Std01Rep3	1	11/11/2006	13:14	33	S 608163-008-015-1/2	1	11/11/2006	14:43	63	S 608158-008-009-1/2	1	11/11/2006	15:57
4	Std02Rep1	1	11/11/2006	13:16	34	S 608163-009-019-1/2	1	11/11/2006	14:45	64	S 608149-001-030-1/2	1	11/11/2006	15:59
5	Std02Rep2	1	11/11/2006	13:18	35	Ck5 CCV2	1	11/11/2006	14:48	65	~~S 608149-002-032-1/2~~	1	11/11/2006	16:01
6	Std02Rep3	1	11/11/2006	13:21	36	Ck6 CCB2	1	11/11/2006	14:50	66	S 608149-004-034-1/2	1	11/11/2006	16:04
7	Std03Rep1	1	11/11/2006	13:23	37	S 608163-012-018-1/2	1	11/11/2006	14:53	67	S 608149-006-022-1/2	1	11/11/2006	16:07
8	Std03Rep2	1	11/11/2006	13:25	38	S 608163-013-024-1/1	1	11/11/2006	14:56	68	S 608149-007-024-1/2	1	11/11/2006	16:09
9	Std03Rep3	1	11/11/2006	13:28	39	S 608163-014-025-1/1	1	11/11/2006	14:59	69	S 608149-008-025-1/2	1	11/11/2006	16:12
10	Std04Rep1	1	11/11/2006	13:31	40	S 608163-015-022-1/1	1	11/11/2006	15:02	70	S 608149-009-028-1/2	1	11/11/2006	16:14
11	Std04Rep2	1	11/11/2006	13:33	41	SP608163-015-022-1/	1	11/11/2006	15:04	71	Ck5 CCV5		11/11/2006	16:16
12	Std04Rep3	1	11/11/2006	13:35	42	SD608163-015-022-1/	1	11/11/2006	15:07	72	Ck6 CCB5		11/11/2006	16:18
13	Std05Rep1	1	11/11/2006	13:37	43	S 608163-016-023-1/1	1	11/11/2006	15:09	73	S 608149-002-032-1/2	10	11/11/2006	16:21
14	Std05Rep2	1	11/11/2006	13:39	44	BLK93633	1	11/11/2006	15:11	74	Ck5 CCV6		11/11/2006	16:23
15	Std05Rep3	1	11/11/2006	13:42	45	BKS93633	1	11/11/2006	15:14	75	Ck6 CCB5		11/11/2006	16:25
16	Std06Rep1	1	11/11/2006	13:44	46	S 608156-001-003-1/2	1	11/11/2006	15:16	76	S CVAA		11/11/2006	16:28
17	Std06Rep2	1	11/11/2006	13:46	47	Ck5 CCV3	1	11/11/2006	15:19	77	S DIG 50L		11/11/2006	16:30
18	Std06Rep3	1	11/11/2006	13:49	48	Ck6 CCB3	1	11/11/2006	15:21	78	S DIG 50L DF=100		11/11/2006	16:55
~~19~~	~~Ck2 ICV~~	~~1~~	~~11/11/2006~~	~~13:50~~	49	S 608156-002-003-1/2	1	11/11/2006	15:23	79	S DIG 50L DF=100		11/11/2006	16:59
20	Ck2 ICV	1	11/11/2006	14:13	50	S 608156-003-005-1/2	1	11/11/2006	15:25	80	S DIG 50L DF=1000		11/11/2006	17:03
21	CK3 ICB	1	11/11/2006	14:15	51	S 608156-004-007-1/2	1	11/11/2006	15:28	81	S DIG 25L		11/11/2006	17:06
22	Ck4 CRA	1	11/11/2006	14:17	52	S 608156-005-009-1/2	1	11/11/2006	15:30	82	S DIG 25L DF=1000		11/11/2006	17:12
23	Ck5 CCV1	1	11/11/2006	14:19	53	S 608156-006-011-1/2	1	11/11/2006	15:32					
24	Ck6 CCB1	1	11/11/2006	14:22	54	S 608156-007-013-1/2	1	11/11/2006	15:34					
25	BLK93632	1	11/11/2006	14:24	55	SP608156-007-013-1/	1	11/11/2006	15:37					
26	BKS93632	1	11/11/2006	14:26	56	SD608156-007-013-1/	1	11/11/2006	15:39					
27	S 608163-001-001-1/2	1	11/11/2006	14:29	57	S 608156-008-015-1/2	1	11/11/2006	15:42					
28	S 608163-002-003-1/2	1	11/11/2006	14:32	58	S 608156-009-017-1/2	1	11/11/2006	15:44					
29	S 608163-003-005-1/2	1	11/11/2006	14:34	59	Ck5 CCV4	1	11/11/2006	15:47					
30	S 608163-004-007-1/2	1	11/11/2006	14:36	60	Ck6 CCB4	1	11/11/2006	15:49					

Analyst Signature: KC Date: 14/Sep/06 Analyst Signature:

Workorders	Dilutions/Reanalyses/Comments	Source Solutions	
608163	dilut used Reanalysis	Stds	Numbers
608156		S0	—
608158		S1	38100
608149	Sample 032 diluted DF= 10	S2	
		S3	
		S4	
		S5	
	KC 14/Sep/06	CRA	↓
		ICV	38098
		CCV	38106

Analyst: KC Date: 14/Sep/2006 Reviewed: RA Date: 9-14-06

File Utility Help

Protocol 7471 Dataset/Proto 06SEP /7471

Protocol | Line Info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.33212e-4

C -1.68949e-2

Rho .999941

Type Linear

☑ Calibrated

☑ Accepted

Accept

µ Abs.
75440

Accepted

New

Include S5 Rep 1☑ 2☑ 3☑ 4☐ 5☐

11-Sep-06 13:55 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.055	.055	540	82	502	483	635
02	.20000	.221	.021	1789	1.15%	1812	1784	1772
03	.50000	.484	-.016	3761	1.76%	3698	3752	3830
04	1.0000	.967	-.033	7384	3.52%	7474	7587	7091
05	5.0000	4.94	-.060	37212	0.48%	37301	37327	37008
06	10.000	10.0	.033	75441	0.57%	75101	75294	75927

Ready

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 5 Ck5 CCV Seq: 246 13:06:00 11 Sep 06 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		119.	5.96	5.00	ppb	.000

*** Standard: 1 Rep: 1 Seq: 248 13:10:01 11 Sep 06 HG

Hg .000 ppb 502

*** Standard: 1 Rep: 2 Seq: 249 13:12:10 11 Sep 06 HG

Hg .000 ppb 483

*** Standard: 1 Rep: 3 Seq: 250 13:14:19 11 Sep 06 HG

Hg .000 ppb 635

*** Standard: 2 Rep: 1 Seq: 251 13:16:37 11 Sep 06 HG

Hg .200 ppb 1812

*** Standard: 2 Rep: 2 Seq: 252 13:18:44 11 Sep 06 HG

Hg .200 ppb 1784

*** Standard: 2 Rep: 3 Seq: 253 13:21:12 11 Sep 06 HG

Hg .200 ppb 1772

*** Standard: 3 Rep: 1 Seq: 254 13:23:22 11 Sep 06 HG

Hg .500 ppb 3698

*** Standard: 3 Rep: 2 Seq: 255 13:25:29 11 Sep 06 HG

Hg .500 ppb 3752

*** Standard: 3 Rep: 3 Seq: 256 13:28:47 11 Sep 06 HG

Hg .500 ppb 3830

*** Standard: 4 Rep: 1 Seq: 257 13:31:04 11 Sep 06 HG

Hg 1.00 ppb 7473

*** Standard: 4 Rep: 2 Seq: 258 13:33:31 11 Sep 06 HG

Hg 1.00 ppb 7587

*** Standard: 4 Rep: 3 Seq: 259 13:35:42 11 Sep 06 HG

Hg 1.00 ppb 7091

*** Standard: 5 Rep: 1 Seq: 260 13:37:49 11 Sep 06 HG

Hg 5.00 ppb 37300

*** Standard: 5 Rep: 2 Seq: 261 13:39:56 11 Sep 06 HG

Hg 5.00 ppb 37327

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 5 Rep: 3              Seq:  262     13:42:17 11 Sep 06   HG

Hg    5.00    ppb      37008

*** Standard: 6 Rep: 1              Seq:  263     13:44:27 11 Sep 06   HG

Hg    10.0    ppb      75101

*** Standard: 6 Rep: 2              Seq:  264     13:46:35 11 Sep 06   HG

Hg    10.0    ppb      75294

*** Standard: 6 Rep: 3              Seq:  265     13:49:23 11 Sep 06   HG

Hg    10.0    ppb      75927

*** Check Standard: 2  Ck2 ICV      Seq:  266     13:58:16 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      H   176.     5.28    3.00  ppb         .000

*** Check Standard: 2  Ck2 ICV      Seq:  267     14:13:03 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          93.8     2.81    3.00  ppb         .000

*** Check Standard: 3  Ck3 ICB      Seq:  268     14:15:20 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -10.3    -.005    .050  ppb         .000

*** Check Standard: 4  Ck4 CRA      Seq:  269     14:17:48 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.9     .198    .200  ppb         .000

*** Check Standard: 5  Ck5 CCV      Seq:  270     14:19:57 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.8     4.99    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  271     14:22:07 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          60.0     .030    .050  ppb         .000

*** Sample ID: BLK93632   60911B     Seq:  272     14:24:34 11 Sep 06   HG

Hg    .071    ppb       .000      .071

*** Sample ID: BKS93632   60911B     Seq:  273     14:26:53 11 Sep 06   HG

Hg    2.90    ppb       .000      2.90

*** Sample ID: S 608163-0 60911B     Seq:  274     14:28:58 11 Sep 06   HG
                         01-001-1/2
Hg    .316    ppb       .000      .316

*** Sample ID: S 608163-0 60911B     Seq:  275     14:32:08 11 Sep 06   HG
                         02-003-1/2
Hg    .260    ppb       .000      .260

*** Sample ID: S 608163-0 60911B     Seq:  276     14:34:24 11 Sep 06   HG
                         03-005-1/2
Hg    .343    ppb       .000      .343
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: S 608163-0 60911B     Seq:  277    14:36:29 11 Sep 06   HG
                            04-007-1/2
Hg    .240    ppb       .000      .240

*** Sample ID: S 608163-0 60911B     Seq:  278    14:38:35 11 Sep 06   HG
                            05-009-1/2
Hg    .214    ppb       .000      .214

*** Sample ID: S 608163-0 60911B     Seq:  279    14:41:16 11 Sep 06   HG
                            07-013-1/2
Hg    .189    ppb       .000      .189

*** Sample ID: S 608163-0 60911B     Seq:  280    14:43:47 11 Sep 06   HG
                            08-015-1/2
Hg    .266    ppb       .000      .266

*** Sample ID: S 608163-0 60911B     Seq:  281    14:45:55 11 Sep 06   HG
                            09-019-1/2
Hg    .323    ppb       .000      .323

*** Check Standard: 5  Ck5 CCV      Seq:  282    14:48:11 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.02    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  283    14:50:58 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          130.     .065    .050  ppb         .000

*** Sample ID: S 608163-0 60911B     Seq:  284    14:53:15 11 Sep 06   HG
                            12-018-1/2
Hg    .160    ppb       .000      .160

*** Sample ID: S 608163-0 60911B     Seq:  285    14:56:31 11 Sep 06   HG
                            13-024-1/1
Hg    .366    ppb       .000      .366

*** Sample ID: S 608163-0 60911B     Seq:  286    14:59:39 11 Sep 06   HG
                            14-025-1/1
Hg    .223    ppb       .000      .223

*** Sample ID: S 608163-0 60911B     Seq:  287    15:02:04 11 Sep 06   HG
                            15-022-1/1
Hg    .277    ppb       .000      .277

*** Sample ID: SP608163-0 60911B     Seq:  288    15:04:33 11 Sep 06   HG
                            15-022-1/1
Hg    .741    ppb       .000      .741

*** Sample ID: SD608163-0 60911B     Seq:  289    15:07:00 11 Sep 06   HG
                            15-022-1/1
Hg    3.60    ppb       .000      3.60

*** Sample ID: S 608163-0 60911B     Seq:  290    15:09:09 11 Sep 06   HG
                            16-023-1/1
Hg    .276    ppb       .000      .276

*** Sample ID: BLK93633   60911B     Seq:  291    15:11:24 11 Sep 06   HG

Hg    .037    ppb       .000      .037
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: BKS93633   60911B     Seq:  292    15:14:23 11 Sep 06   HG

Hg    3.26    ppb       .000      3.26

*** Sample ID: S 608156-0 60911B     Seq:  293    15:16:50 11 Sep 06   HG
                            01-002-1/2
Hg    .586    ppb       .000      .586

*** Check Standard: 5  Ck5 CCV      Seq:  294    15:19:01 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.06    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB      Seq:  295    15:21:31 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   39.7     .020    .050  ppb         .000

*** Sample ID: S 608156-0 60911B     Seq:  296    15:23:39 11 Sep 06   HG
                            02-003-1/2
Hg    .237    ppb       .000      .237

*** Sample ID: S 608156-0 60911B     Seq:  297    15:25:47 11 Sep 06   HG
                            03-005-1/2
Hg    .407    ppb       .000      .407

*** Sample ID: S 608156-0 60911B     Seq:  298    15:28:15 11 Sep 06   HG
                            04-007-1/2
Hg    .271    ppb       .000      .271

*** Sample ID: S 608156-0 60911B     Seq:  299    15:30:23 11 Sep 06   HG
                            05-009-1/2
Hg    .149    ppb       .000      .149

*** Sample ID: S 608156-0 60911B     Seq:  300    15:32:32 11 Sep 06   HG
                            06-011-1/2
Hg    .532    ppb       .000      .532

*** Sample ID: S 608156-0 60911B     Seq:  301    15:34:48 11 Sep 06   HG
                            07-013-1/2
Hg    .255    ppb       .000      .255

*** Sample ID: SP608156-0 60911B     Seq:  302    15:37:07 11 Sep 06   HG
                            07-013-1/2
Hg    3.50    ppb       .000      3.50

*** Sample ID: SD608156-0 60911B     Seq:  303    15:39:26 11 Sep 06   HG
                            07-013-1/2
Hg    3.55    ppb       .000      3.55

*** Sample ID: S 608156-0 60911B     Seq:  304    15:42:24 11 Sep 06   HG
                            08-015-1/2
Hg    .246    ppb       .000      .246

*** Sample ID: S 608156-0 60911B     Seq:  305    15:44:33 11 Sep 06   HG
                            09-017-1/2
Hg    .331    ppb       .000      .331

*** Check Standard: 5  Ck5 CCV      Seq:  306    15:47:11 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.10    5.00  ppb         .000
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6 CCB      Seq:  307     15:49:42 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          122.     .061    .050   ppb        .000

*** Sample ID: S 608158-0 60911B     Seq:  308    15:51:57 11 Sep 06   HG
                            01-001-1/2
Hg    .222    ppb       .000      .222

*** Sample ID: S 608158-0 60911B     Seq:  309    15:54:45 11 Sep 06   HG
                            02-003-1/2
Hg    .273    ppb       .000      .273

*** Sample ID: S 608158-0 60911B     Seq:  310    15:57:03 11 Sep 06   HG
                            06-009-1/2
Hg    .202    ppb       .000      .202

*** Sample ID: S 608149-0 60911B     Seq:  311    15:59:19 11 Sep 06   HG
                            01-030-1/2
Hg    .318    ppb       .000      .318

*** Sample ID: S 608149-0 60911B     Seq:  312    16:01:36 11 Sep 06   HG
                            02-032-1/2
Hg    19.7    ppb       .000      19.7

*** Sample ID: S 608149-0 60911B     Seq:  313    16:04:32 11 Sep 06   HG
                            04-034-1/2
Hg    .098    ppb       .000      .098

*** Sample ID: S 608149-0 60911B     Seq:  314    16:07:38 11 Sep 06   HG
                            06-022-1/2
Hg    .191    ppb       .000      .191

*** Sample ID: S 608149-0 60911B     Seq:  315    16:09:44 11 Sep 06   HG
                            07-024-1/2
Hg    .224    ppb       .000      .224

*** Sample ID: S 608149-0 60911B     Seq:  316    16:12:00 11 Sep 06   HG
                            08-026-1/2
Hg    .828    ppb       .000      .828

*** Sample ID: S 608149-0 60911B     Seq:  317    16:14:21 11 Sep 06   HG
                            09-028-1/2
Hg    .216    ppb       .000      .216

*** Check Standard: 5  Ck5 CCV      Seq:  318     16:16:27 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.     5.19    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  319     16:18:39 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   35.5     .018    .050   ppb        .000

*** Sample ID: S 608149-0 60911B     Seq:  320    16:21:17 11 Sep 06   HG
                            02-032-1/2:10
Hg    2.04    ppb       .000      2.04

*** Check Standard: 5  Ck5 CCV      Seq:  321     16:23:28 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.17    5.00   ppb        .000
```

KC 3W Jd

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6 CCB      Seq:  322     16:25:39 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units     SD/RSD
Hg      L   40.8     .020    .050   ppb        .000

*** Sample ID: S CVAA     60911B     Seq:  323    16:28:26 11 Sep 06   HG

Hg    .104    ppb       .000      .104

*** Sample ID: S DIG 50L  60911B     Seq:  324    16:30:55 11 Sep 06   HG

Hg    246.    ppb       .000      246.

*** Sample ID: S DIG 50L  60911B     Seq:  325    16:56:12 11 Sep 06   HG
                           DF=100
Hg   -.032    ppb       .000     -.032

*** Sample ID: S DIG 50L  60911B     Seq:  326    16:59:18 11 Sep 06   HG
                           DF=100
Hg    66.5    ppb       .000      66.5

*** Sample ID: S DIG 50L  60911B     Seq:  327    17:03:14 11 Sep 06   HG
                           DF=1000
Hg    8.21    ppb       .000      8.21

*** Sample ID: S DIG 25L  60911B     Seq:  328    17:06:25 11 Sep 06   HG

Hg    195.    ppb       .000      195.

*** Sample ID: S DIG 25L  60911B     Seq:  329    17:12:52 11 Sep 06   HG
                           DF=1000
Hg    .392    ppb       .000      .392
```

Metals Preparation & Sample Description Log

Page 1 of 2 → 098

Date: 09-06-06 Prep: 200.7 / 3005A / 3020A / (3050B) / 3010A / ILC03.1 / ILM04.1 / ILM05.3 Batch No: 180-096

Analyst: KH Comments: MOD BLOCK DIGESTION (Soil)

Reviewed by: Date: Spike Witness: RA Pep. Seq: 60/0 93573 / MS 93574

	GPL Work Order No.	Sample	Frac	Size mL (g)	Final Vol. (mL)	Matrix S, W Other	Color Before	Color After	Clarity Before or Soil Texture	Clarity After Clear, Cloudy, Opaque	Soil Artifacts or Water pH
							R, Bl, Y, G, O, V, W Colorless, Br, Grey, Bk				
1	BLK	096		1.00	100	S				clear	/
2	BKS	096		1.00							/
3	608134	001	-004-½	1.49		soil	Brown	yellow	Medium		/
4		MS-1		1.56							
5		MSD-1		1.66							
6		MS-2		1.71							
7		MSD-2		1.78							
8	608156	001	-001-½	1.22							
9		002	-003-½	1.37							
10		003	-005-½	1.23							
11		004	-007-½	1.19							
12		005	-009-½	1.28							
13		006	-011-½	1.22							
14		007	-013-½	1.18							
15		008	-015-½	1.20							
16		009	-017-½	1.24							
17	608158	001	-001-½	1.33							
18		002	-003-½	1.14							
19		003	-005-½	1.26							
20		004	-007-½	1.26							
21		005	-011-½	1.25							
22		MS		1.30							
23		MSD		1.32							
24		006	-009-½	1.19							

LCS ID/ Amt. Added (ml ,g) : 0.2 ml (37361, 37362, 37363)	HNO3(1+1) ID: gp-057-115-09
Spiking ID / Amt. Added (ml) 0.2 ml (37361, 37362, 37363) MS1-MSD=1	HNO3(conc) ID: gp-129-08-11
0.4 ml (37361, 37362, 37363) MS2-MSD2=2	HCl(conc) ID: gp-129-08-01
10 ml HNO3, 10 ml HCl conc, 7 ml H2O2, 10 ml HCl conc	
Temperature, C: 96°C	HCl(1+1) ID:
	Peroxide ID: gp-129-08-02

Metals Preparation & Sample Description Log

Page 2 of 2
Batch No 096

Date: 09-06-06 Prep: 200.7 / 3005A / 3020A / (3050B) / 3010A / ILC03.1 / ILM04.1 / ILM05.3 Batch No: 180

Analyst: MJI Comments: MOD BLOCK DIGESTION (Soil)

Reviewed by: Date: Spike Witness: Pep. Seq: 93-73

	GPL Work Order No.	Sample	Frac	Size mL (g)	Final Vol. (mL)	Matrix S, W Other	Color Before (R, Bl, Y, G, O, V, W Colorless, Br, Grey, Bk)	Color After	Clarity Before or Soil Texture	Clarity After Clear, Cloudy, Opaque	Soil Artifacts or Water pH
1	609025	001	-001-1	1.23	100	Soil	Brown	Yellow	Med	Clear	-
2	609006	007	-007-1	1.25	↓	↓	↓	↓	↓	↓	↓
3	↓	008	-008-1	1.28	↓	↓	↓	↓	↓	↓	↓
4											
5											
6											
7											
8											
9											
10											
11											
12											
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15											
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17											
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21											
22											
23											
24											

MJI 09-06-06

LCS ID/ Amt. Added (ml ,g): 0.2 ml (37361, 37362, 37363)	HNO3(1+1) ID: GP-05)-115-04
Spiking ID / Amt. Added (ml) 0.2 ml (37361, 37362, 37363)	HNO3(conc) ID: GP-129-05-11
10ml Nal 1:1, 10ml NaHSO3, 7ml Peroxal, 10ml HCL CNC	HCl(conc) ID: GP-129-05-01
Temperature, C: 94°C	HCl(1+1) ID: -
	Peroxide ID: GP-129-05-02

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 176- 1 of 3

Digestion Date: 9-10-06 (Redigestion) Analyst: David Hah

Reviewed By / Date: KC 12/sep/06 (see p. 175)

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 43632	S	0.6	100	0	15
		BLKS 43632		0.6		3.0	
608163-001				0.636		0	
2				0.763			
3				0.660			
4				0.611			
5				0.774			
7				0.717			
8				0.992			
9				0.648			
10				0.688			
11				0.632			
12				0.605			
13				0.734			
14				0.630			
15				0.605			
15		MS		0.650		3.0	
16		MSD		0.784		3.0	
16				0.777		0	

9-10-06

9-10-09

50% Aqua regia:	129-119-01	Spiking Solution Conc:	0.1 PPM Hg
HNO3:		Std/CRA/BKS/Spk:	38100
H2SO4:		(2nd source) ICV:	38098
KMnO4:	~~129-111-09~~ 129-121-01	H2O Bath Temp: 95°C	In Time: 1952
K2S2O8:		H2O Bath Temp: 95°C	Out Time: 1954
NH2OH*HCl:	129-109-10	H2O Bath Temp: 95°C	In Time: 2100
Comments: std's on page 183		H2O Bath Temp: 95°C	Out Time: 2130

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 176- 2 of 3

Digestion Date: 9-10-06 (Redigestion, see pi 76) Analyst: David Hale

Reviewed By / Date: KC 12/Sep/2008

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 93633	S	0.6	100	0	15.0
		BKS 93633	S	0.6		3.0	
608156-001	001-½		S	0.656		0	
2	003-			0.693			
3	005-			0.703			
4	007-			0.660			
5	009-			0.611			
6	011-			0.622			
* 7	012-			0.677			
8	014-			0.715			
9	017-			0.689			
** 7	013-	MS		0.620		3.0	
7	013-½	MSD		0.642		3.0	
608158-001	001-			0.640		0	
2	003-			0.673			
6	007-			0.698			
608149-001	030-			0.818			
2	032-			0.869			
4	034-			0.684			
6	022-			0.665			
7	024-			0.740			
8	026-			0.983			
9	028-½			0.667			
			54	9-10-09			

50% Aqua regia:	129-119-01	Spiking Solution Conc:	0.1 PPM Hg
HNO3:		Std/CRA/BKS/Spk:	38100
H2SO4:		(2nd source) ICV:	38098
KMnO4:	~~129-111-09~~ 129-121-1	H2O Bath Temp: 95°C	In Time: 19:52
K2S2O8:		H2O Bath Temp: 95°C	Out Time: 19:54
NH2OH*HCl:	129-109-10	H2O Bath Temp: 95°C	In Time: 21:00
Comments:	sfd-sm p 183	H2O Bath Temp: 95°C	Out Time: 21:30

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 176- 3 of 3

Digestion Date: 9-10-06 Analyst: David Hale

Reviewed By / Date: Ke 12/Sep/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		S0	W	10mL	100	0	15
		S0.2	↓	↓	↓	0.2	↓
		S0.5				0.5	
		S1.0				1.0	
		S5.0				5.0	
		S10.0				10.0	
		CCV				5.0	
		CRA				0.2	
		ICB				0	
		ICV				3.0	
		ICV2	↓	↓	↓	3.0	✓

DM 9-10-06

50% Aqua regia: GP 129-119-01

HNO3: —

H2SO4: — 121-01 DM 9-15-09

KMnO4: 129-~~119-09~~

K2S2O8: —

NH2OH*HCl: 129-109-10

Comments:

Spiking Solution Conc: 0.1 PPM Hg

Std/CRA/BKS/Spk: 38100

(2nd source) ICV: 38098

H2O Bath Temp: 95°C In Time: 19:52

H2O Bath Temp: 95°C Out Time: 19:54

H2O Bath Temp: 95°C In Time: 21:50

H2O Bath Temp: 95°C Out Time: 21:50

GPL Laboratories, LLLP
Percent Solids Determination Log

Method Title: CLP_SOLIDS
Analyst: ISAAC ERUSIAFE
Method Reference: Percent Solids by CLP
Reviewed By/Date:
Analytical Balance ID: Saratorius CP153
Analytical Batch: 91145
Date/Time In (Oven): 08/28/2006 12:10
Oven Temperature: 105C
Date/Time Out (Oven): 08/28/2006 12:10
Oven Temperature: 105C
Dessicator Temp: 21C
% Humidity (<20%): 12%

Drying Oven Temp Maintained at 103-105C

SDG	Lab Sample ID	Client Sample ID	Weight of Dish	Weight of Wet Sample + Dish	Weight of Dry Sample + Dish	Percent Moisture	Percent Solids	RPD (<20)
608097	608097-001-001-1/2	Q-58-IS081606	1.3250g	10.1630g	9.1680g	11.3%	88.7%	
608097	608097-001-001-1/2D	Q-58-IS081606	1.3260g	10.1940g	9.2910g	10.2%	89.8%	
608144	608144-001-010-1/2	C7-CWM-SO-X11-	1.3170g	10.8770g	9.9860g	9.3%	90.7%	
608144	608144-003-014-1/3	C7-CWM-SL-X11-	1.3170g	10.6090g	3.2960g	78.7%	21.3%	
608144	608144-005-014-1/2	C7-CWM-SO-X12-	1.3210g	10.6010g	9.7850g	8.8%	91.2%	
608149	608149-001-030-1/2	C7-CWM-SO-X13-UN01-	1.3170g	10.7980g	9.9710g	8.7%	91.3%	
608149	608149-002-032-1/2	C7-CWM-SL-X14-SN01-	1.3160g	10.6560g	6.0790g	49.0%	51.0%	
608149	608149-004-034-1/2	C7-CWM-SO-X14-SN01-	1.3110g	10.3720g	9.1110g	13.9%	86.1%	
608149	608149-006-022-1/2	C7-CWM-SO-DUP9	1.3110g	10.1070g	9.3710g	8.4%	91.6%	
608149	608149-007-024-1/2	C7-CWM-SO-X15-	1.3180g	10.3160g	9.5390g	8.6%	91.4%	
608149	608149-008-026-1/2	C7-CWM-SL-X15-	1.3200g	10.7120g	8.9950g	18.3%	81.7%	
608149	608149-009-028-1/2	C7-CWM-SO-X15-SN01-	1.3170g	10.3890g	9.5010g	9.8%	90.2%	
608152	608152-001-001-1/1	CS-0806-1	1.3300g	10.5490g	10.1930g	3.9%	96.1%	
608152	608152-002-002-1/1	CS-0806-2	1.3260g	10.7360g	10.1580g	6.1%	93.9%	
608154	608154-001-001-1/1	1A	1.3220g	10.1880g	9.7090g	5.4%	94.6%	
608154	608154-002-002-1/1	2A	1.3230g	10.9100g	9.8000g	11.6%	88.4%	
608156	608156-001-001-1/2	NWO-017-0022	1.3360g	10.5710g	9.8970g	7.3%	92.7%	
608156	608156-002-003-1/2	NWO-017-0023	1.3300g	10.2580g	9.5920g	7.5%	92.5%	
608156	608156-002-003-1/2D	NWO-017-0023	1.3300g	10.2620g	9.6190g	7.2%	92.8%	
608156	608156-003-005-1/2	NWO-017-1003	1.3330g	10.1730g	8.3870g	20.2%	79.8%	
608156	608156-004-007-1/2	NWO-017-0027	1.3450g	10.6750g	8.6310g	21.9%	78.1%	
608156	608156-005-009-1/2	NWO-017-0028	1.3450g	10.4590g	9.8430g	6.8%	93.2%	
608156	608156-006-011-1/2	NWO-017-0030	1.3300g	10.7330g	10.0790g	7.0%	93.0%	
608156	608156-007-013-1/2	NWO-017-0046	1.3320g	10.7430g	10.3460g	4.2%	95.8%	
608156	608156-008-015-1/2	NWO-017-1012	1.3310g	10.2000g	8.4880g	19.3%	80.7%	
608156	608156-009-017-1/2	NWO-017-1013	1.3310g	10.6390g	9.0030g	17.6%	82.4%	
608159	608159-001-001-1/1	C41226147-01	1.3340g	10.2580g	10.1650g	1.0%	99.0%	

	Description {90}	An	Sample Id {92}	Flag {111}	Val	Rpd {113}	Rpd Limit	N	mdl {125}	S	Retention Time	LCL {131	UCL {132	Moisture	Final Reporting	Final MDL {139}	Valid.Comments {145}	Anal Multiplier	Prep Multiplier
1																			
2																			
3																			
4	Percent Solids	AN	608097-001-			1	1		1.0000					10.18	1.000	1.00000		1.000	
5	Percent Solids	AN	608097-001-			0	1		1.0000					11.26	1.000	1.00000		1.000	
6	Percent Solids	AN	608144-001-			0	1		1.0000					9.32	1.000	1.00000		1.000	
7	Percent Solids	AN	608144-003-			0	1		1.0000					78.7	1.000	1.00000		1.000	
8	Percent Solids	AN	608144-005-			0	1		1.0000					8.79	1.000	1.00000		1.000	
9	Percent Solids	AN	608149-001-			0	1		1.0000					8.72	1.000	1.00000		1.000	
10	Percent Solids	AN	608149-002-			0	1		1.0000					49	1.000	1.00000		1.000	
11	Percent Solids	AN	608149-004-			0	1		1.0000					13.92	1.000	1.00000		1.000	
12	Percent Solids	AN	608149-006-			0	1		1.0000					8.37	1.000	1.00000		1.000	
13	Percent Solids	AN	608149-007-			0	1		1.0000					8.64	1.000	1.00000		1.000	
14	Percent Solids	AN	608149-008-			0	1		1.0000					18.28	1.000	1.00000		1.000	
15	Percent Solids	AN	608149-009-			0	1		1.0000					9.79	1.000	1.00000		1.000	
16	Percent Solids	AN	608152-001-			0	1		1.0000					3.86	1.000	1.00000		1.000	
17	Percent Solids	AN	608152-002-			0	1		1.0000					6.14	1.000	1.00000		1.000	
18	Percent Solids	AN	608154-001-			0	1		1.0000					5.4	1.000	1.00000		1.000	
19	Percent Solids	AN	608154-002-			0	1		1.0000					11.58	1.000	1.00000		1.000	
20	Percent Solids	AN	608156-001-			0	1		1.0000					7.3	1.000	1.00000		1.000	
21	Percent Solids	AN	608156-002-			0	1		1.0000					7.46	1.000	1.00000		1.000	
22	Percent Solids	AN	608156-002-			0	1		1.0000					7.2	1.000	1.00000		1.000	
23	Percent Solids	AN	608156-003-			0	1		1.0000					20.2	1.000	1.00000		1.000	
24	Percent Solids	AN	608156-004-			0	1		1.0000					21.91	1.000	1.00000		1.000	
25	Percent Solids	AN	608156-005-			0	1		1.0000					6.76	1.000	1.00000		1.000	
26	Percent Solids	AN	608156-006-			0	1		1.0000					6.96	1.000	1.00000		1.000	
27	Percent Solids	AN	608156-007-			0	1		1.0000					4.22	1.000	1.00000		1.000	
28	Percent Solids	AN	608156-008-			0	1		1.0000					19.3	1.000	1.00000		1.000	
29	Percent Solids	AN	608156-009-			0	1		1.0000					17.58	1.000	1.00000		1.000	
30	Percent Solids	AN	608159-001-			0	1		1.0000					1.04	1.000	1.00000		1.000	

	Description {90}	A n	Sample Id {92}	ST Sam	Method {94}	Results {95}	RL Raw {96}	R	Raw Results	Multiplier {99}	Reporti ng	Raw Unt	nFinal Result	Sort Order	spk Amount	% Recover	Raw Final {110}
1																	
2																	
3																	
4	Percent Solids	AN	608097-001-	MD /	CLP_SOLI	89.82	1.0000	☑	89.8200	00000000	PER	PER	89.8200	0	0.0000	0.00	89.8200
5	Percent Solids	AN	608097-001-	SMP	CLP_SOLI	88.74	1.0000	☑	88.7400	00000000	PER	PER	88.7400	0	0.0000	0.00	88.7400
6	Percent Solids	AN	608144-001-	SMP	CLP_SOLI	90.68	1.0000	☑	90.6800	00000000	PER	PER	90.6800	0	0.0000	0.00	90.6800
7	Percent Solids	AN	608144-003-	SMP	CLP_SOLI	21.3	1.0000	☑	21.3000	00000000	PER	PER	21.3000	0	0.0000	0.00	21.3000
8	Percent Solids	AN	608144-005-	SMP	CLP_SOLI	91.21	1.0000	☑	91.2100	00000000	PER	PER	91.2100	0	0.0000	0.00	91.2100
9	Percent Solids	AN	608149-001-	SMP	CLP_SOLI	91.28	1.0000	☑	91.2800	00000000	PER	PER	91.2800	0	0.0000	0.00	91.2800
10	Percent Solids	AN	608149-002-	SMP	CLP_SOLI	51	1.0000	☑	51.0000	00000000	PER	PER	51.0000	0	0.0000	0.00	51.0000
11	Percent Solids	AN	608149-004-	SMP	CLP_SOLI	86.08	1.0000	☑	86.0800	00000000	PER	PER	86.0800	0	0.0000	0.00	86.0800
12	Percent Solids	AN	608149-006-	SMP	CLP_SOLI	91.63	1.0000	☑	91.6300	00000000	PER	PER	91.6300	0	0.0000	0.00	91.6300
13	Percent Solids	AN	608149-007-	SMP	CLP_SOLI	91.36	1.0000	☑	91.3600	00000000	PER	PER	91.3600	0	0.0000	0.00	91.3600
14	Percent Solids	AN	608149-008-	SMP	CLP_SOLI	81.72	1.0000	☑	81.7200	00000000	PER	PER	81.7200	0	0.0000	0.00	81.7200
15	Percent Solids	AN	608149-009-	SMP	CLP_SOLI	90.21	1.0000	☑	90.2100	00000000	PER	PER	90.2100	0	0.0000	0.00	90.2100
16	Percent Solids	AN	608152-001-	SMP	CLP_SOLI	96.14	1.0000	☑	96.1400	00000000	PER	PER	96.1400	0	0.0000	0.00	96.1400
17	Percent Solids	AN	608152-002-	SMP	CLP_SOLI	93.86	1.0000	☑	93.8600	00000000	PER	PER	93.8600	0	0.0000	0.00	93.8600
18	Percent Solids	AN	608154-001-	SMP	CLP_SOLI	95.59	1.0000	☑	95.5900	00000000	PER	PER	95.5900	0	0.0000	0.00	95.5900
19	Percent Solids	AN	608154-002-	SMP	CLP_SOLI	97.56	1.0000	☑	97.5600	00000000	PER	PER	97.5600	0	0.0000	0.00	97.5600
20	Percent Solids	AN	608156-001-	SMP	CLP_SOLI	92.7	1.0000	☑	92.7000	00000000	PER	PER	92.7000	0	0.0000	0.00	92.7000
21	Percent Solids	AN	608156-002-	SMP	CLP_SOLI	92.54	1.0000	☑	92.5400	00000000	PER	PER	92.5400	0	0.0000	0.00	92.5400
22	Percent Solids	AN	608156-002-	MD /	CLP_SOLI	92.8	1.0000	☑	92.8000	00000000	PER	PER	92.8000	0	0.0000	0.00	92.8000
23	Percent Solids	AN	608156-003-	SMP	CLP_SOLI	79.8	1.0000	☑	79.8000	00000000	PER	PER	79.8000	0	0.0000	0.00	79.8000
24	Percent Solids	AN	608156-004-	SMP	CLP_SOLI	78.09	1.0000	☑	78.0900	00000000	PER	PER	78.0900	0	0.0000	0.00	78.0900
25	Percent Solids	AN	608156-005-	SMP	CLP_SOLI	93.24	1.0000	☑	93.2400	00000000	PER	PER	93.2400	0	0.0000	0.00	93.2400
26	Percent Solids	AN	608156-006-	SMP	CLP_SOLI	93.04	1.0000	☑	93.0400	00000000	PER	PER	93.0400	0	0.0000	0.00	93.0400
27	Percent Solids	AN	608156-007-	SMP	CLP_SOLI	95.78	1.0000	☑	95.7800	00000000	PER	PER	95.7800	0	0.0000	0.00	95.7800
28	Percent Solids	AN	608156-008-	SMP	CLP_SOLI	80.7	1.0000	☑	80.7000	00000000	PER	PER	80.7000	0	0.0000	0.00	80.7000
29	Percent Solids	AN	608156-009-	SMP	CLP_SOLI	82.42	1.0000	☑	82.4200	00000000	PER	PER	82.4200	0	0.0000	0.00	82.4200
30	Percent Solids	AN	608159-001-	SMP	CLP_SOLI	98.96	1.0000	☑	98.9600	00000000	PER	PER	98.9600	0	0.0000	0.00	98.9600

	Sample Id	Clas	Method	Q	Anal Date	Tech	SEQ No.	Multip	M	Prep	R	Client	A	B	C	Calculate	Meth	Col	Col	C	Perce	Last QC Sample
1																						
2																						
3																						
4	608097-001-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	Q-58-IS	1.32500	10.16300	9.16800	88.7418	1.0000			1	11.26	✓
5	608097-001-0	MD	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	Q-58-IS	1.32600	10.19400	9.29100	89.8173	1.0000			1	10.18	✓
6	608144-001-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31700	10.87700	9.98600	90.6799	1.0000			1	9.32	✓
7	608144-003-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31700	10.60900	3.29600	21.2979	1.0000			1	78.70	✓
8	608144-005-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.32100	10.60100	9.78500	91.2069	1.0000			1	8.79	✓
9	608149-001-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31700	10.79800	9.97100	91.2773	1.0000			1	8.72	✓
10	608149-002-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31600	10.65600	6.07900	50.9957	1.0000			1	49.00	✓
11	608149-004-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31100	10.37200	9.11100	86.0832	1.0000			1	13.92	✓
12	608149-006-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31100	10.10700	9.37100	91.6326	1.0000			1	8.37	✓
13	608149-007-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31800	10.31600	9.53900	91.3647	1.0000			1	8.64	✓
14	608149-008-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.32000	10.71200	8.99500	81.7185	1.0000			1	18.28	✓
15	608149-009-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C7-CW	1.31700	10.38900	9.50100	90.2116	1.0000			1	9.79	✓
16	608152-001-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	CS-080	1.33000	10.54900	10.19300	96.1384	1.0000			1	3.86	✓
17	608152-002-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	CS-080	1.32600	10.73600	10.15800	93.8576	1.0000			1	6.14	✓
18	608154-001-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	1A	1.32200	10.18800	9.70900	94.5973	1.0000			1	5.40	✓
19	608154-002-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	2A	1.32300	10.91000	9.80000	88.4218	1.0000			1	11.58	✓
20	608156-001-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33600	10.57100	9.89700	92.7017	1.0000			1	7.30	✓
21	608156-002-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33000	10.25800	9.59200	92.5403	1.0000			1	7.46	✓
22	608156-002-0	MD	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33000	10.26200	9.61900	92.8012	1.0000			1	7.20	✓
23	608156-003-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33300	10.17300	8.38700	79.7964	1.0000			1	20.20	✓
24	608156-004-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.34500	10.67500	8.63100	78.0922	1.0000			1	21.91	✓
25	608156-005-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.34500	10.45900	9.84300	93.2412	1.0000			1	6.76	✓
26	608156-006-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33000	10.73300	10.07900	93.0448	1.0000			1	6.96	✓
27	608156-007-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33200	10.74300	10.34600	95.7815	1.0000			1	4.22	✓
28	608156-008-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33100	10.20000	8.48800	80.6968	1.0000			1	19.30	✓
29	608156-009-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	NWO-0	1.33100	10.63900	9.00300	82.4237	1.0000			1	17.58	✓
30	608159-001-0	SMP	CLP_SOLIDS		08-28-06 12:1	1300-18	91145	00000	S		Y	C4122	1.33400	10.25800	10.16500	98.9579	1.0000			1	1.04	✓

Analytical Report For 608158

for

Shaw E&I, Inc

Project Manager: Tim Roth

Project Name: Camp Addair - Shaw FUDS MMRP Site - 017

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.

Pat Hudschm

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Six soil samples were received on 08/26/2006. The samples were delivered by Federal Express. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Semivolatiles

Three soil samples were extracted using method 3540C and analyzed for PAH analytes by using modified low-level 8270C method.

The extraction and analysis holding times were met.

Due to a laboratory error, no surrogate spike was added to samples BKS83474, NWO-017-00210MS and NWO-017-0021MSD. Since the affected samples were all spiked with the matrix spike solution, and the matrix spike recoveries were all within QC limits, this demonstrates that the extraction was performed properly and the samples were not re-extracted. The rest of the surrogate recoveries were within the QC limits.

Matrix spike and duplicate analyses were performed on sample NWO-017-0021. All spike recoveries were within the QC limits . A Laboratory control sample was extracted and analyzed with the batch. All spike recoveries were within the QC limits .

Due to a software limitation, the Form VI and VII's included in this data package are included in their raw format.

Explosives/Propellants

Three soil samples were extracted and analyzed for explosive compounds including Nitroglycerine, using SW846 method 8330A.

The extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate analyses were shared with work order 608156. 4-Amino-2,6-dinitrotoluene recovery in the MS was slightly below the QC limits. All other spike recoveries were within the QC limits for both SW8330A analytes and Nitroglycerine.

A laboratory control sample was extracted and analyzed along with this sample batch. All recoveries were within the QC limits for both SW8330A analytes and Nitroglycerine.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

PETN Analyses

Three soil samples were extracted and analyzed for PETN using the modified SW846 method 8330A.
The extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

A matrix spike and matrix spike duplicate analysis was shared with GPL work order 608156.The percent recoveries were within the QC limits. A laboratory control sample was extracted and analyzed with the batch. All recoveries were within QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

Metals

Three soil samples were analyzed for aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, strontium, titanium, zinc and mercury; three soil samples were analyzed for lead only. EPA SW846 methods were used. The samples were analyzed by ICPMS in order to meet the required reporting limits.

The samples were air dried, crushed, and then sieved. Then the sieved samples were digested for all analytes. All the samples are assumed one hundred percent solid because dried samples were used for the digestions.

On form one, The software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than ½ the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.

A matrix spike, matrix spike duplicate, and serial dilutions were performed on sample NOW-017-0021 for all ICPMS analytes. The matrix spike was outside of the control limits for antimony, matrix spike duplicate for antimony and barium; all associated data were flagged with an "N". A post digestion analytical spike was performed with a recovery of 103% for antimony 81% for barium. No control limits were applied to the matrix spike for aluminum, iron, manganese and titanium; matrix spike duplicate for aluminum, iron, magnesium, manganese and titanium due to an insignificant spike addition. The serial dilution was outside of the control limits for chromium and zinc; all associated data were flagged with an "E".

A matrix spike and matrix spike duplicate were shared with GPL work order 608156-007 for mercury. They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Pat Weisbrum

Reviewed By,

Project Manager

Approved By,

Laboratory Director

Sample Summary Report

Shaw E&I, Inc

Work Order: 608158

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
NWO-017-0019	608158-003-005-1/2	SW8270PAH_MM	SOIL	08/22/2006	08/26/2006
	608158-003-005-1/2	SW6020			
	608158-003-005-1/2	CLP_SOLIDS			
NWO-017-0020	608158-004-007-1/2	SW8270PAH_MM	SOIL	08/22/2006	08/26/2006
	608158-004-007-1/2	SW6020			
	608158-004-007-1/2	CLP_SOLIDS			
NWO-017-0021	608158-005-011-1/6	SW8270PAH_MM	SOIL	08/22/2006	08/26/2006
	608158-005-011-1/6	SW6020			
	608158-005-011-1/6	CLP_SOLIDS			
NWO-017-0044	608158-001-001-1/2	SW8330	SOIL	08/22/2006	08/26/2006
	608158-001-001-1/2	SW8330A			
	608158-001-001-1/2	SW6020_MM			
	608158-001-001-1/2	SW7471A			
	608158-001-001-1/2	CLP_SOLIDS			
NWO-017-0045	608158-006-009-1/2	SW8330	SOIL	08/23/2006	08/26/2006
	608158-006-009-1/2	SW8330A			
	608158-006-009-1/2	SW6020_MM			
	608158-006-009-1/2	SW7471A			
	608158-006-009-1/2	CLP_SOLIDS			
NWO-017-1011	608158-002-003-1/2	SW8330	SOIL	08/22/2006	08/26/2006
	608158-002-003-1/2	SW8330A			
	608158-002-003-1/2	SW6020_MM			
	608158-002-003-1/2	SW7471A			
	608158-002-003-1/2	CLP_SOLIDS			

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0044	Lab Sample ID:	608158-001-001-1/2
Sample Date/Time:	08/22/2006 14:20	Percent Moisture:	2.59
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	17:46
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	13:44

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	101 %	31 - 129	1	09/12/06	13:44

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0044	Lab Sample ID:	608158-001-001-1/2
Sample Date/Time:	08/22/2006 14:20	Percent Moisture:	2.59
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	17:46
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	17:46
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	17:46
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	17:46
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	17:46
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	17:46
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	17:46

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	73 %	31 - 129	1	09/12/06	17:46

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0044	Lab Sample ID:	608158-001-001-1/2
Sample Date/Time:	08/22/2006 14:20	Percent Moisture:	2.59
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**21200**	**D**	**75.2**	**10**	**mg/kg**	**09/08/06**	**23:51**
2)	Antimony	0.17	JND	0.75	10	mg/kg	09/08/06	23:51
3)	**Barium**	**164**	**ND**	**3.8**	**10**	**mg/kg**	**09/08/06**	**23:51**
4)	**Cadmium**	**0.43**	**D**	**0.38**	**10**	**mg/kg**	**09/08/06**	**23:51**
5)	**Chromium**	**30.2**	**ED**	**1.5**	**10**	**mg/kg**	**09/08/06**	**23:51**
6)	**Cobalt**	**17.2**	**DB**	**0.38**	**10**	**mg/kg**	**09/08/06**	**23:51**
7)	**Copper**	**18.0**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**23:51**
8)	**Iron**	**30200**	**D**	**37.6**	**10**	**mg/kg**	**09/08/06**	**23:51**
9)	**Lead**	**14.7**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**23:51**
10)	**Magnesium**	**4100**	**D**	**75.2**	**10**	**mg/kg**	**09/08/06**	**23:51**
11)	**Manganese**	**924**	**DB**	**1.5**	**10**	**mg/kg**	**09/08/06**	**23:51**
12)	Molybdenum	0.46	JD	3.8	10	mg/kg	09/08/06	23:51
13)	**Nickel**	**17.0**	**D**	**0.75**	**10**	**mg/kg**	**09/08/06**	**23:51**
14)	**Strontium**	**30.4**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**23:51**
15)	**Titanium**	**1770**	**D**	**1.5**	**10**	**mg/kg**	**09/08/06**	**23:51**
16)	**Zinc**	**67.4**	**ED**	**7.5**	**10**	**mg/kg**	**09/08/06**	**23:51**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0044	Lab Sample ID:	608158-001-001-1/2
Sample Date/Time:	08/22/2006 14:20	Percent Moisture:	2.59
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.035**		**0.031**	**1**	**mg/kg**	**09/11/06**	**15:51**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0044	Lab Sample ID:	608158-001-001-1/2
Sample Date/Time:	08/22/2006 14:20	Percent Moisture:	2.59
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**97**		**1.0**	**1**	**%**	**08/29/06**	**15:33**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1011	Lab Sample ID:	608158-002-003-1/2
Sample Date/Time:	08/22/2006 14:35	Percent Moisture:	16.15
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	18:46
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	14:05

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	89 %	31 - 129	1	09/12/06	14:05

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1011	Lab Sample ID:	608158-002-003-1/2
Sample Date/Time:	08/22/2006 14:35	Percent Moisture:	16.15
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	18:46
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	18:46
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	18:46
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	18:46
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	18:46
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	18:46
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	18:46

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	81 %	31 - 129	1	09/12/06	18:46

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1011	Lab Sample ID:	608158-002-003-1/2
Sample Date/Time:	08/22/2006 14:35	Percent Moisture:	16.15
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**19000**	**D**	**87.7**	**10**	**mg/kg**	**09/08/06**	**23:57**
2)	Antimony	BQL	UN	0.88	10	mg/kg	09/08/06	23:57
3)	**Barium**	**188**	**ND**	**4.4**	**10**	**mg/kg**	**09/08/06**	**23:57**
4)	Cadmium	0.29	JD	0.44	10	mg/kg	09/08/06	23:57
5)	**Chromium**	**26.6**	**ED**	**1.8**	**10**	**mg/kg**	**09/08/06**	**23:57**
6)	**Cobalt**	**18.3**	**DB**	**0.44**	**10**	**mg/kg**	**09/08/06**	**23:57**
7)	**Copper**	**18.8**	**D**	**1.8**	**10**	**mg/kg**	**09/08/06**	**23:57**
8)	**Iron**	**27900**	**D**	**43.9**	**10**	**mg/kg**	**09/08/06**	**23:57**
9)	**Lead**	**11.6**	**D**	**1.8**	**10**	**mg/kg**	**09/08/06**	**23:57**
10)	**Magnesium**	**3040**	**D**	**87.7**	**10**	**mg/kg**	**09/08/06**	**23:57**
11)	**Manganese**	**1460**	**DB**	**1.8**	**10**	**mg/kg**	**09/08/06**	**23:57**
12)	Molybdenum	0.30	JD	4.4	10	mg/kg	09/08/06	23:57
13)	**Nickel**	**15.2**	**D**	**0.88**	**10**	**mg/kg**	**09/08/06**	**23:57**
14)	**Strontium**	**38.9**	**D**	**1.8**	**10**	**mg/kg**	**09/08/06**	**23:57**
15)	**Titanium**	**577**	**D**	**1.8**	**10**	**mg/kg**	**09/08/06**	**23:57**
16)	**Zinc**	**72.6**	**ED**	**8.8**	**10**	**mg/kg**	**09/08/06**	**23:57**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1011	Lab Sample ID:	608158-002-003-1/2
Sample Date/Time:	08/22/2006 14:35	Percent Moisture:	16.15
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.041**		**0.03**	**1**	**mg/kg**	**09/11/06**	**15:54**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1011	Lab Sample ID:	608158-002-003-1/2
Sample Date/Time:	08/22/2006 14:35	Percent Moisture:	16.15
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**84**		**1.0**	**1**	**%**	**08/29/06**	**15:33**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0019	Lab Sample ID:	608158-003-005-1/2
Sample Date/Time:	08/22/2006 10:30	Percent Moisture:	8.51
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3540C
Prepared Date/Time:	08/30/2006 00:00	Analytical Method:	SW8270PAH_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	2-Methylnaphthalene	BQL	U	7.3	1	ug/kg	09/06/06	15:40
2)	Acenaphthene	5.5	J	7.3	1	ug/kg	09/06/06	15:40
3)	Acenaphthylene	BQL	U	7.3	1	ug/kg	09/06/06	15:40
4)	Anthracene	BQL	U	7.3	1	ug/kg	09/06/06	15:40
5)	**Benzo(a)anthracene**	**36**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
6)	**Benzo(a)pyrene**	**60**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
7)	**Benzo(b)fluoranthene**	**63**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
8)	**Benzo(g,h,i)perylene**	**51**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
9)	**Benzo(k)fluoranthene**	**17**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
10)	**Chrysene**	**42**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
11)	Dibenz(a,h)Anthracene	BQL	U	7.3	1	ug/kg	09/06/06	15:40
12)	**Fluoranthene**	**38**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
13)	Fluorene	BQL	U	7.3	1	ug/kg	09/06/06	15:40
14)	**Indeno(1,2,3-c,d)Pyrene**	**44**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
15)	Naphthalene	BQL	U	7.3	1	ug/kg	09/06/06	15:40
16)	**Phenanthrene**	**15**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**
17)	**Pyrene**	**44**		**7.3**	**1**	**ug/kg**	**09/06/06**	**15:40**

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18)	2-Fluorobiphenyl	70 %	60 - 117	1	09/06/06	15:40
19)	Nitrobenzene-d5	84 %	40 - 178	1	09/06/06	15:40
20)	p-Terphenyl-d14	82 %	59 - 142	1	09/06/06	15:40

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0019	Lab Sample ID:	608158-003-005-1/2
Sample Date/Time:	08/22/2006 10:30	Percent Moisture:	8.51
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**20.1**	**D**	**1.6**	**10**	**mg/kg**	**09/09/06**	**00:03**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0019	Lab Sample ID:	608158-003-005-1/2
Sample Date/Time:	08/22/2006 10:30	Percent Moisture:	8.51
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**91**		**1.0**	**1**	**%**	**08/29/06**	**15:33**

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0020	Lab Sample ID:	608158-004-007-1/2
Sample Date/Time:	08/22/2006 12:10	Percent Moisture:	6.74
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3540C
Prepared Date/Time:	08/30/2006 00:00	Analytical Method:	SW8270PAH_MM

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 2-Methylnaphthalene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
2) Acenaphthene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
3) Acenaphthylene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
4) Anthracene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
5) Benzo(a)anthracene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
6) Benzo(a)pyrene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
7) Benzo(b)fluoranthene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
8) Benzo(g,h,i)perylene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
9) Benzo(k)fluoranthene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
10) Chrysene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
11) Dibenz(a,h)Anthracene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
12) **Fluoranthene**	**8.2**		**7.1**	**1**	**ug/kg**	**09/06/06**	**16:11**
13) Fluorene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
14) Indeno(1,2,3-c,d)Pyrene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
15) Naphthalene	BQL	U	7.1	1	ug/kg	09/06/06	16:11
16) Phenanthrene	5.0	J	7.1	1	ug/kg	09/06/06	16:11
17) Pyrene	6.8	J	7.1	1	ug/kg	09/06/06	16:11

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18) 2-Fluorobiphenyl	67 %	60 - 117	1	09/06/06	16:11
19) Nitrobenzene-d5	79 %	40 - 178	1	09/06/06	16:11
20) p-Terphenyl-d14	84 %	59 - 142	1	09/06/06	16:11

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0020	Lab Sample ID:	608158-004-007-1/2
Sample Date/Time:	08/22/2006 12:10	Percent Moisture:	6.74
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**58.4**	**D**	**1.6**	**10**	**mg/kg**	**09/09/06**	**00:09**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0020	Lab Sample ID:	608158-004-007-1/2
Sample Date/Time:	08/22/2006 12:10	Percent Moisture:	6.74
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**93**		**1.0**	**1**	**%**	**08/29/06**	**15:33**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0021	Lab Sample ID:	608158-005-011-1/6
Sample Date/Time:	08/22/2006 11:25	Percent Moisture:	8.74
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3540C
Prepared Date/Time:	08/30/2006 00:00	Analytical Method:	SW8270PAH_MM

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 2-Methylnaphthalene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
2) Acenaphthene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
3) Acenaphthylene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
4) Anthracene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
5) Benzo(a)anthracene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
6) Benzo(a)pyrene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
7) Benzo(b)fluoranthene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
8) Benzo(g,h,i)perylene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
9) Benzo(k)fluoranthene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
10) Chrysene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
11) Dibenz(a,h)Anthracene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
12) Fluoranthene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
13) Fluorene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
14) Indeno(1,2,3-c,d)Pyrene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
15) Naphthalene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
16) Phenanthrene	BQL	U	7.3	1	ug/kg	09/06/06	16:42
17) Pyrene	BQL	U	7.3	1	ug/kg	09/06/06	16:42

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
18) 2-Fluorobiphenyl	74 %	60 - 117	1	09/06/06	16:42
19) Nitrobenzene-d5	81 %	40 - 178	1	09/06/06	16:42
20) p-Terphenyl-d14	85 %	59 - 142	1	09/06/06	16:42

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0021	Lab Sample ID:	608158-005-011-1/6
Sample Date/Time:	08/22/2006 11:25	Percent Moisture:	8.74
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Lead**	**41.1**	**D**	**1.6**	**10**	**mg/kg**	**09/09/06**	**00:15**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0021	Lab Sample ID:	608158-005-011-1/6
Sample Date/Time:	08/22/2006 11:25	Percent Moisture:	8.74
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**91**		**1.0**	**1**	**%**	**08/29/06**	**15:33**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0045	Lab Sample ID:	608158-006-009-1/2
Sample Date/Time:	08/23/2006 10:15	Percent Moisture:	7.05
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 08:04	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/12/06	19:45
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/12/06	14:27

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	104 %	31 - 129	1	09/12/06	14:27

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0045	Lab Sample ID:	608158-006-009-1/2
Sample Date/Time:	08/23/2006 10:15	Percent Moisture:	7.05
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/01/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
8) HMX	BQL	U	0.080	1	mg/kg	09/12/06	19:45
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/12/06	19:45
10) RDX	BQL	U	0.080	1	mg/kg	09/12/06	19:45
11) Tetryl	BQL	U	0.080	1	mg/kg	09/12/06	19:45
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	19:45
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	19:45
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/12/06	19:45

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	85 %	31 - 129	1	09/12/06	19:45

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0045	Lab Sample ID:	608158-006-009-1/2
Sample Date/Time:	08/23/2006 10:15	Percent Moisture:	7.05
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW3050B
Prepared Date/Time:	09/06/2006 12:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**20600**	**D**	**84**	**10**	**mg/kg**	**09/09/06**	**00:58**
2)	Antimony	0.15	JND	0.84	10	mg/kg	09/09/06	00:58
3)	**Barium**	**161**	**ND**	**4.2**	**10**	**mg/kg**	**09/09/06**	**00:58**
4)	Cadmium	0.30	JD	0.42	10	mg/kg	09/09/06	00:58
5)	**Chromium**	**26.8**	**ED**	**1.7**	**10**	**mg/kg**	**09/09/06**	**00:58**
6)	**Cobalt**	**14.6**	**DB**	**0.42**	**10**	**mg/kg**	**09/09/06**	**00:58**
7)	**Copper**	**14.9**	**D**	**1.7**	**10**	**mg/kg**	**09/09/06**	**00:58**
8)	**Iron**	**26600**	**D**	**42**	**10**	**mg/kg**	**09/09/06**	**00:58**
9)	**Lead**	**13.7**	**D**	**1.7**	**10**	**mg/kg**	**09/09/06**	**00:58**
10)	**Magnesium**	**3990**	**D**	**84**	**10**	**mg/kg**	**09/09/06**	**00:58**
11)	**Manganese**	**758**	**DB**	**1.7**	**10**	**mg/kg**	**09/09/06**	**00:58**
12)	Molybdenum	0.38	JD	4.2	10	mg/kg	09/09/06	00:58
13)	**Nickel**	**15.4**	**D**	**0.84**	**10**	**mg/kg**	**09/09/06**	**00:58**
14)	**Strontium**	**19.1**	**D**	**1.7**	**10**	**mg/kg**	**09/09/06**	**00:58**
15)	**Titanium**	**1380**	**D**	**1.7**	**10**	**mg/kg**	**09/09/06**	**00:58**
16)	**Zinc**	**59.2**	**ED**	**8.4**	**10**	**mg/kg**	**09/09/06**	**00:58**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0045	Lab Sample ID:	608158-006-009-1/2
Sample Date/Time:	08/23/2006 10:15	Percent Moisture:	7.05
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/10/2006 18:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	0.029		0.029	1	mg/kg	09/11/06	15:57

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0045	Lab Sample ID:	608158-006-009-1/2
Sample Date/Time:	08/23/2006 10:15	Percent Moisture:	7.05
Receipt Date/Time:	08/26/2006 10:33	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**93**		**1.0**	**1**	**%**	**08/29/06**	**15:33**

Qualifier Definitions

Shaw E&I, Inc

Work Order: 608158

All Departments

U Indicates that the compound was analyzed for but not detected

BQL Below Quantitation Limit

Organics

B Indicates that the analyte was found in the associated blank as well as in the sample

D Indicates that the analyte was reported from a diluted analysis

E Indicates that the concentration detected exceeded the calibration range of the instrument

J Value is less than the reporting limit but greater than the MDL

P Indicates that there is greater than 25% difference for detected pesticide/Arochlor results between the two GC columns

Metals

J Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL

E Indicates that the reported value is estimated because of the possible presence of interference (i.e. the serial dilution not within control limits)

H Indicates that the element was found in the associated blank as well as in the sample and the value is greater than or equal to the reporting limit

D Indicates that the analyte was reported from a diluted analysis

N Spiked sample recovery not within control limits

* Duplicate analysis not within control limits

GPL Laboratories
7210A Corporate Ct.
Frederick, MD 21703
301-694-5310

CHAIN OF CUSTODY

CoC Number: NWO017-011

PAGE: 1 OF 1

GPL Project Manager: Tim Wessel	Client Name: Shaw Environmental, Inc. / Lindsay		Phone: 985-000-5472	Deliver Instructions:	
Project Name: FUDS MMRP NWO	Address: 812 Directory Drive		Cell:	Shipment Method: FedEx	
Project Number: 1 6168	City State: Knoxville, TN		Zip Code: 37923	Waybill Number: 8376 5418 7189	

Comments: *=Basic Analysis Request; Y=Analyze; Camp Adair NRS Inc. 12" East Line Grass to Sand

Preservatives and Containers: 3 oz CWM 4 °C; 8 oz CWM 4 °C

Show MMRP FUDS Site - 017 Camp Addair

Sample Information / Methods for Analysis

No.	FIELD Sample ID	Date Sampled (2006)	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, vanadium, nickel, strontium, thallium, and zinc by SW-846 6020A	Mercury by SW-846 7471A	Explosives by SW-846 8330A	Nitroglycerin by SW-846 8330A (Modified)	PETN by SW-846 8330A (Modified)	Filter	Total Bottles
X1	NWO-017-0944	8-22	1420	SC	[illegible]	X	X	X	X	X	N	2
X1	NWO-017-1011	8-22	1435	SC	[illegible]	X	X	X	X	X	N	2

Sample Matrix: WQ= Groundwater; SC= Soil; WS= Surface Water; WQ= Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By: [illegible]	Date: 8/24/06	Time: 1500
Received By: FedEx	Date: 8/24/06	Time: 1500
Relinquished By: [illegible]	Date: 8/25/06	Time: 1500
Received By: FedEx	Date: 8/25/06	Time: 1500
Relinquished By:	Date:	Time:

For Lab Use

GPL WORK ORDER #: 608158

PURCHASE ORDER #:

COOLER RECEIPT CONDITION

Dennis 8/26/06 10AM

GPL Laboratories
7210A Corporate Ct.
Frederick, MD 21703
301-694-5310

CHAIN OF CUSTODY

CoC Number: NWO017-004

PAGE: 1 OF 1

GPL Proj. Manager: Tim Mikoul
Project Name: FUDS (Water) NWO
Project Number: 1.06.08
Client Name: Shaw Environmental, Inc. / Tim Rule
Address: 3 Executive Drive
City State: Knoxville, TN
Phone: 865.992.5272
Cell:
Zip Code: 37923
Dispose Instructions:
Shipment Method: FedEx
Waybill Number: 8546718718 9

Comments: HrHold Analysis Request: Yr Analysis: Camp Adair AFB MRS No. 4 Fixed Rate No. 68F

Preservatives and Containers

Snavr MMRP FUDS Site - 017 Camp Addair

Methods for Analysis

No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Lead by SW-846 6020A	CPL SOP ETM & No. 10 Sieve	Pb/Hg by SW-846 8270C (Low Level)								Filter	TOTAL BOTTLES
1	NWO-017-0010	8/22/06	1030	SO	RR	X	X	X								N	2
2	NWO-017-0020	8/22/06	1210	SO	AAA	X	X	X								N	2
3	NWO-017-0021	8/22/06	1125	SO	RR	X	X	X								N	2
4	NWO-017-0021-MS	8/22/06	1125	SO	RR	X	X	X								N	2
5	NWO-017-0021-MSD	8/22/06	1125	SO	RR	X	X	X								N	2

Sample Matrix: WS=Groundwater; SO=Soil; SW=Surface Water; WQ=Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By:	Date:	Time:
Rebecca Wolfe	8/24/06	1500
Received By:	Date:	Time:
FedEx	8/24/06	1500
Relinquished By:	Date:	Time:
Rebecca RiDale Lab	8/25/06	1500
Received By:	Date:	Time:
FEDEX	8/25/06	1500
Relinquished By:	Date:	Time:

For Lab Use:

GPL WORK ORDER #: 608158

PURCHASE ORDER #:

COOLER RECEIPT CONDITION

Donna 8/26/06 10 Am

GPL Laboratories, LLLP
7210A Corporate CT, Frederick, MD 21703
Tel. (301)694-5310 Fax (301)620-0731

GPL Laboratories

GPL LABORATORIES
7210A Corporate Ct
Frederick, MD 21703
301-694-5310

CHAIN OF CUSTODY

CoC Number: NWO017-012

PAGE: 1 OF 1

GPL Project Manager:	Tim Mikesell	Client Name:	Shaw Environmental, Inc. / Tim Rain	Payor:	[illegible]
Project Name:	UCS MMRP NWO	Address:	312 Directors Drive	Cell:	
Project Number:	11016	City, State:	Knoxville, TN	Zip Code:	37923

Address Instructions:
Shipment Method: FedEx
Waybill Number: 8554 6491 8718 9

Comments: Hotfield Analysis Needed: Arsenic Camp Addair MRS No. 13, West Lake Orchards Cair

Preservatives and Containers

Shaw MMRP FUDS Site - 017 Camp Addair

Sample Information						Methods for Analysis										
No.	FIELD Sample ID	Date Sampled	Time Sampled	Matrix	Sampler's Initials	Aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, strontium, thallium, and zinc by SW-846 6020A	Mercury by SW-846 7471A	Explosives by SW-846 8330A	Nitroglycerin by SW-846 8330A (Modified)	PETN by SW-846 8330A (Modified)						Filter	Total # of Containers
1	NWO-017-0045	8/25/06	10:15	SO	[illegible]	X	X	X	X	X						N	2

Sample Matrix: WG=Groundwater, SO=Soil, WS=Surface Water, WQ=Water Quality

TAT Requirement: 21 Days

Total number of samples

Relinquished By: [illegible]	Date: 8/25/06	Time: 1300	
Received By: Fed Ex [illegible]	Date: 8/25/06	Time: 1500	
Relinquished By: [illegible] R Dale Cook	Date: 8/25/06	Time: 1500	
Received By: FEDEX	Date: 8/25/06	Time: 1500	
Relinquished By:	Date:	Time:	

For Lab Use

GPL WORK ORDER #: 608158

PURCHASE ORDER #:

COOLER RECEIPT CONDITION

[illegible] 8/26/06 10:00

FedEx Express Billable Stamp

1 From

FedEx Priority Overnight

Shipping Date: May 15 2002

Recipient Signature

2 To

GPL LABS
7210 A CORPORATE CT.
FREDERICK, MD 21703
(301) 694-5310

Form ID: 0561

8546 9918 7189

FedEx ###### PRIORITY SATURDAY

TRK# 8546 9918 7189 FORM 0201

Deliver by 26AUG06 A2

IAD

21703 MD-US XO FDKA

FedEx Express

SDR

FedEx Saturday Delivery

GPL Laboratories, LLLP

Figure 1
SAMPLE RECEIPT CHECKLIST

W.O. No: 608158
Client Name: Shaw
Date Received: 8/28/06
Time Received: 10:00am
Received By: Donnie

Courier Name: FEDX
Prepared (Logged In) By: 8/28/06 (initials) (Date)
Project:
Site:
VOA Holding Bags I.D. No:

	YES	NO
Airbill/Manifest Present?	✓	
No.		
Shipping Container in Good Condition?	✓	
Custody Seals Present on Shipping Container? Condition: Broken: ____ Intact not dated or signed: ____ Intact-dated and signed: ✓	✓	
Usage of Temperature Indicator Type	✓	
Chain-of-Custody Present?	✓	
Chain-of-Custody Agrees with Sample Labels?	✓	
Chain-of-Custody Signed?	✓	
Packing Present in Shipping Container? Type of Packing: ____	✓	
Custody Seals on Sample Bottles? Condition: Good ____ Broken: ____	✓	
Total Number of Sample Bottles		
Total Number of Samples: 6		
Samples Intact?	✓	
Sufficient Sample Volume for Indicated Test?	✓	

	YES	NO
Trip Blanks: No. of Sets: ____		✓
Field Blanks: No. of Sets: ____		✓
Equip. Blank: No. of Sets: ____		✓
Field Duplicate: No. of Sets: ____		✓
MS/MSD: No. of Sets: ____		✓
VOA Vials Have Zero Headspace? If no, vials or air greater than a Green Pea (see comments)		✓
Preservatives Added to Sample?		✓
pH Check Required? Performed By? ____		✓
Ice Present in Shipping Container?	✓	

Container #	Temp.	Container #	Temp.
1	2.0		

Project Manager Contacted? Yes
Name: ____
Date Contacted: 8/28/06

Any NO responses must be detailed in the comments section below. If items are not applicable to particular samples or containers, they should be marked N/A.

COMMENTS:

Checklist Completed By: ____

Date: 8/28/06

SOP No: F2V15

POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8270PAH_MN** **SDG No : 608158**

Surrogate	NO2BZD5	PHEN2F	PHEND14
Lower QC Limits	40	60	59
Upper QC Limits	178	117	142
Sample ID			
BKS83474	0 *	0 *	0 *
BLK83474	76	70	81
NWO-017-0019	84	70	82
NWO-017-0020	79	67	84
NWO-017-0021	81	74	85
NWO-017-0021MS	0 *	0 *	0 *
NWO-017-0021MSD	0 *	0 *	0 *

* Value outside of QC Limts

NO2BZD5 = Nitrobenzene-d5 PHEN2F = 2-Fluorobiphenyl PHEND14 = p-Terphenyl-d14

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-0021MSD

Lab Name : GPL Laboratories SDG NO : 608158 Method : SW8270PAH_MM

Lab Code : GPL Lab Sample ID : 608158-005-011-1/6MSD Matrix : SOIL Analysis Date : 09/06/2006

Compound	Spike Added (ug/kg)		CONCENTRATION (ug/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
2-Methylnaphthalene	180	180	0.0	160	160	89	89	0	30	45-105
Acenaphthene	180	180	0.0	140	140	78	78	0	30	45-110
Acenaphthylene	180	180	0.0	130	130	72	72	0	30	45-105
Anthracene	180	180	0.0	130	140	72	78	8	30	55-105
Benzo(a)anthracene	180	180	0.0	150	150	83	83	0	30	50-110
Benzo(a)pyrene	180	180	0.0	140	140	78	78	0	30	50-110
Benzo(b)fluoranthene	180	180	0.0	140	150	78	83	6	30	45-115
Benzo(g,h,i)perylene	180	180	0.0	160	150	89	83	7	30	40-125
Benzo(k)fluoranthene	180	180	0.0	140	140	78	78	0	30	45-125
Chrysene	180	180	0.0	140	150	78	83	6	30	55-110
Dibenz(a,h)Anthracene	180	180	0.0	180	180	100	100	0	30	40-125
Fluoranthene	180	180	0.0	140	140	78	83	6	30	55-115
Fluorene	180	180	0.0	150	150	83	83	0	30	50-110
Indeno(1,2,3-c,d)Pyrene	180	180	0.0	160	160	89	89	0	30	40-120
Naphthalene	180	180	0.0	140	140	78	78	0	30	40-105
Phenanthrene	180	180	0.0	140	140	78	78	0	30	50-110
Pyrene	180	180	0.0	140	150	78	83	6	30	45-125

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 17 Outside Limit
Spike Recovery : 0 Out of 34 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS83474

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8270PAH_MM

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 608158
Lab Sample ID : BKS83474
Analysis Date : 09/06/2006

COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMTS
2-Methylnaphthalene	170	0	130	78	45-105
Acenaphthene	170	0	120	72	66-115
Acenaphthylene	170	0	110	66	63-110
Anthracene	170	0	120	72	67-111
Benzo(a)anthracene	170	0	130	78	74-115
Benzo(a)pyrene	170	0	130	78	68-118
Benzo(b)fluoranthene	170	0	120	72	56-133
Benzo(g,h,i)perylene	170	0	160	96	55-124
Benzo(k)fluoranthene	170	0	120	72	61-124
Chrysene	170	0	130	78	71-120
Dibenz(a,h)Anthracene	170	0	170	102	57-125
Fluoranthene	170	0	120	72	69-133
Fluorene	170	0	120	72	65-119
Indeno(1,2,3-c,d)Pyrene	170	0	160	96	60-125
Naphthalene	170	0	120	72	66-118
Phenanthrene	170	0	120	72	66-123
Pyrene	170	0	120	72	62-117

* Values Outside of QC Limits.

Spike recovery outside limits

GPL Laboratories

GPL
FORM 4
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO
BLK83474

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	83474
Lab File ID :	H34649.D	SDG NO :	608158
Date Analyzed	09/06/2006	Lab Sample ID :	BLK83474
Date Extracted :	08/30/2006	Time Analyzed :	11:02
Matrix :(Soil/Water).	SOIL	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS83474	BKS83474	H34650.D	09/06/2006
NWO-017-0019	608158-003-005-1/2	H34658.D	09/06/2006
NWO-017-0020	608158-004-007-1/2	H34659.D	09/06/2006
NWO-017-0021	608158-005-011-1/6	H34660.D	09/06/2006
NWO-017-0021MS	608158-005-011-1/6MS	H34661.D	09/06/2006
NWO-017-0021MSD	608158-005-011-1/6MSD	H34662.D	09/06/2006

5B-8270

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GPL LABORATORIES Contract: N/A

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: H34608.D DFTPP Injection Date: 09/04/06

Instrument ID: #H DFTPP Injection Time: 08:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0% of mass 198	54.4	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 Relative abundance	66.6	
70	Less than 2.0% of mass 69	0.5	(0.8)1
127	40.0 - 60.0% of mass 198	42.3	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0 - 30.0% of mass 198	26.5	
365	Greater than 1.0% of mass 198	2.9	
441	Present, but less than mass 443	13.9	
442	40.0 - 110.0% of mass 198	84.8	
443	17.0 - 23.0% of mass 442	17.3	(20.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD02.5	SSTD02.5	H34609.D	09/04/06	09:10
02	SSTD020	SSTD020	H34610.D	09/04/06	09:43
03	SSTD00.2	SSTD00.2	H34611.D	09/04/06	10:13
04	SSTD00.5	SSTD00.5	H34612.D	09/04/06	10:44
05	SSTD001	SSTD001	H34613.D	09/04/06	11:14
06	SSTD005	SSTD005	H34614.D	09/04/06	11:45
07	SSTD010	SSTD010	H34615.D	09/04/06	12:16

GPL
Form 5

SEMI-VOLATILE INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: GPL LABORATORIES Contract : Shaw E&I, Inc

Lab Code: GPL Case No: N/A SAS No: N/A SDG No : 608158

Lab File ID: H34642.D DFTPP Injection Date : 09/06/2006 DFTPP Injection Time : 07:41

GC Column: _ ID: db-5

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
51	30.0 - 60.0% of mass 198	58.3	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	71.9	
70	Less than 2.0% of mass-69	0.0	(0.0)1
127	40.0 - 60.0% of mass 198	42.9	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak. 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0 - 30.0% of mass 198	25.5	
365	Greater than 1.0% of mass 198	2.7	
441	Present. but less than mass 443	11.7	
442	40.0 - 110.0% of mass 198	73.9	
443	17.0 - 23.0% of mass 442	13.8	(18.7)2

1-Value is % mass 69 2-Value is % mass 442

	Client Sample	Lab Sample NO	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD02.5	SSTD02.5	H34643.D	09/06/2006	07:57
2	BLK83474	BLK83474	H34649.D	09/06/2006	11:02
3	BKS83474	BKS83474	H34650.D	09/06/2006	11:33
4	NWO-017-0019	608158-003-005-1/2	H34658.D	09/06/2006	15:40
5	NWO-017-0020	608158-004-007-1/2	H34659.D	09/06/2006	16:11
6	NWO-017-0021	608158-005-011-1/6	H34660.D	09/06/2006	16:42
7	NWO-017-0021MS	608158-005-011-1/6MS	H34661.D	09/06/2006	17:13
8	NWO-017-0021MSD	608158-005-011-1/6MSD	H34662.D	09/06/2006	17:44

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Shaw E&I, Inc

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 608158

Lab File ID: H34643.D Date Analyzed: 09/06/2006 Time Analyzed: 07:57

	ACNPD10		CHRYSENED12		DCBZ14D4	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	388204	08.10	603296	13.42	175651	04.89
UPPER LIMIT	776408	08.60	1206592	13.92	351302	05.39
LOWER LIMIT	194102	07.60	301648	12.92	87826	04.39
Client Sample						
BKS83474	461497	08.10	712663	13.42	208114	04.89
BLK83474	439366	08.10	680622	13.43	205970	04.88
NWO-017-0019	431743	08.10	667355	13.44	187161	04.89
NWO-017-0020	440628	08.10	726492	13.45	184299	04.89
NWO-017-0021	463061	08.11	728098	13.44	.195560	04.88
NWO-017-0021MS	452263	08.10	726195	13.45	199721	04.88
NWO-017-0021MSD	468186	08.11	707787	13.46	201684	04.88

ACNPD10 = acenaphthene-d1(
CHRYSENED12 = Chrysene-d12
DCBZ14D4 = 1,4-Dichlorobenzene-d·
NAPHD8 = Naphthalene-d8
PERYD12 = Perylene-d12
PHAND10 = phenanthrene-d1(

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Shaw E&I, Inc

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 608158

Lab File ID: H34643.D Date Analyzed: 09/06/2006 Time Analyzed: 07:57

	NAPHD8		PERYD12		PHAND10	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	711143	06.23	520369	17.73	667742	09.70
UPPER LIMIT	1422286	06.73	1040738	18.23	1335484	10.20
LOWER LIMIT	355572	05.73	260185	17.23	333871	09.20
Client Sample						
BKS83474	871227	06.23	604873	17.72	777515	09.70
BLK83474	829664	06.23	584859	17.71	753355	09.70
NWO-017-0019	767216	06.23	559569	17.77	743916	09.71
NWO-017-0020	735365	06.23	606864	17.80	787589	09.71
NWO-017-0021	804229	06.24	622121	17.77	805616	09.71
NWO-017-0021MS	815924	06.23	606958	17.78	793785	09.71
NWO-017-0021MSD	829970	06.24	586591	17.79	804879	09.71

ACNPD10 = acenaphthene-d1(
CHRYSENED12 = Chrysene-d12
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d8
PERYD12 = Perylene-d12
PHAND10 = phenanthrene-d1(

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

B. Sample Data

1. TCL Results

2. Chromatographs from Primary and Confirmatory Analyses

3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0019

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-003-005-1/2
Sample Volume :	30	Lab File ID :	H34658.D
% Moisture:	8.51	Date Received	08/26/2006
Extraction:	SW3540C	Date Extracted:	08/30/2006
Extract Volume:	1 mL	Date Analyzed	09/06/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	7.3	U
83-32-9	Acenaphthene	5.5	J
208-96-8	Acenaphthylene	7.3	U
120-12-7	Anthracene	7.3	U
56-55-3	Benzo(a)anthracene	36	
50-32-8	Benzo(a)pyrene	60	
205-99-2	Benzo(b)fluoranthene	63	
191-24-2	Benzo(g,h,i)perylene	51	
207-08-9	Benzo(k)fluoranthene	17	
218-01-9	Chrysene	42	
53-70-3	Dibenz(a,h)Anthracene	7.3	U
206-44-0	Fluoranthene	38	
86-73-7	Fluorene	7.3	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	44	
91-20-3	Naphthalene	7.3	U
85-01-8	Phenanthrene	15	
129-00-0	Pyrene	44	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34658.D Vial: 17
Acq On : 6 Sep 2006 15:40 Operator: JI
Sample : 608158-003-005-1/2 Inst : GC/MS- H
Misc : NWO-017-0019 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 9:59 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

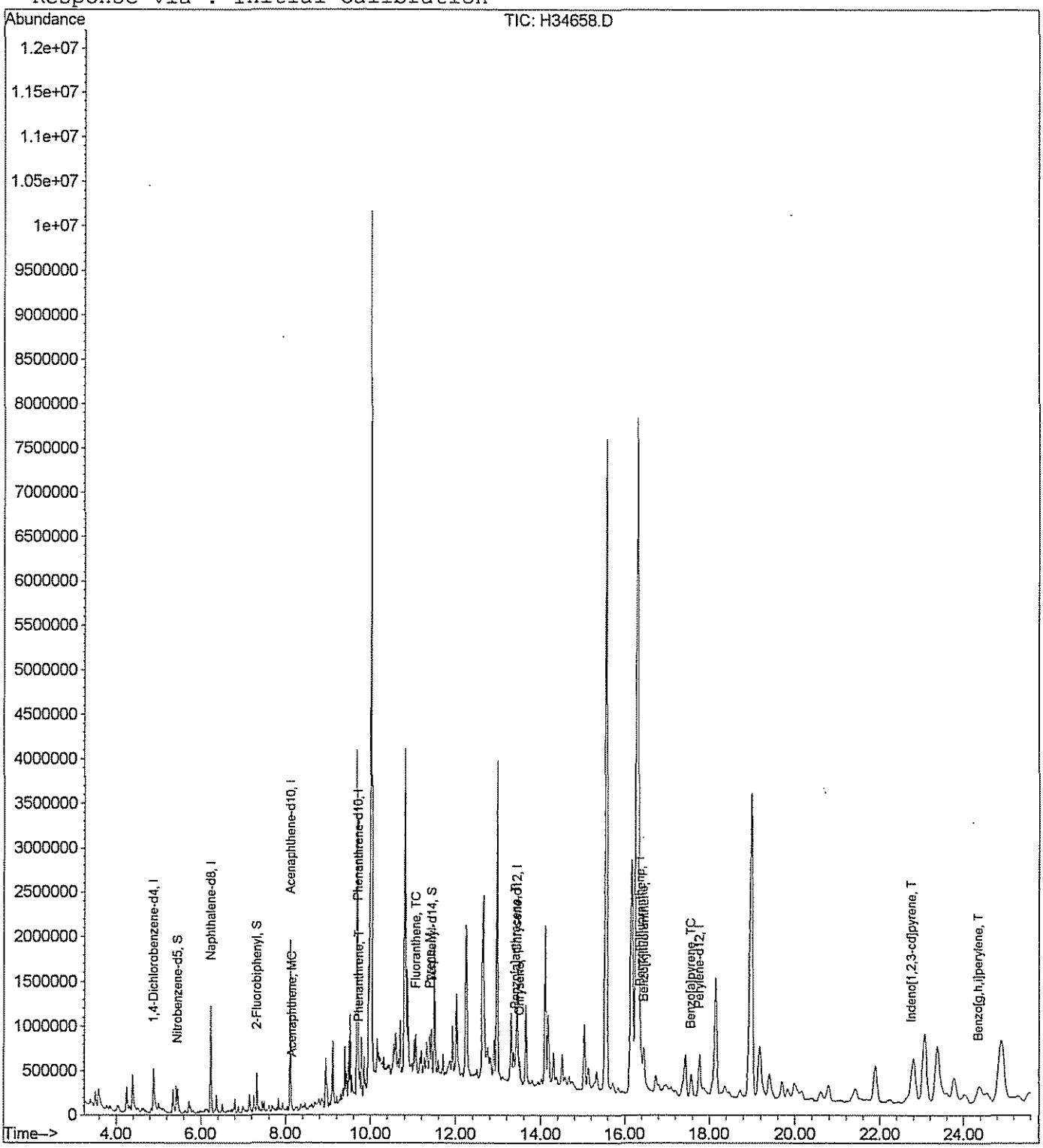
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.89	152	187161	4.00 ug/ml	0.00
2) Naphthalene-d8	6.23	136	767216	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.10	164	431743	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.71	188	743916	4.00 ug/ml	0.00
15) Chrysene-d12	13.44	240	667355	4.00 ug/ml	0.01
20) Perylene-d12	17.77	264	559569	4.00 ug/ml	0.04
System Monitoring Compounds					
3) Nitrobenzene-d5	5.45	82	178878	1.68 ug/ml	0.00
Spiked Amount 2.000	Range 29 - 140		Recovery	= 84.00%	
7) 2-Fluorobiphenyl	7.31	172	195433	1.39 ug/ml	0.00
Spiked Amount 2.000	Range 31 - 125		Recovery	= 69.50%	
17) Terphenyl-d14	11.44	244	237838	1.63 ug/ml	0.01
Spiked Amount 2.000	Range 26 - 160		Recovery	= 81.50%	
Target Compounds					Qvalue
9) Acenaphthene	8.14	153	16628	0.15 ug/ml	93
12) Phenanthrene	9.73	178	79479	0.42 ug/ml	100
14) Fluoranthene	11.07	202	216544	1.05 ug/ml	97
16) Pyrene	11.40	202	263406	1.22 ug/ml	96
18) Benzo[a]anthracene	13.40	228	186986	1.00 ug/ml	98
19) Chrysene	13.49	228	204906	1.14 ug/ml	96
21) Benzo[b]fluoranthene	16.37	252	315545m	1.72 ug/ml	
22) Benzo[k]fluoranthene	16.45	252	83023m	0.46 ug/ml	
23) Benzo[a]pyrene	17.57	252	260583	1.66 ug/ml	97
24) Indeno[1,2,3-cd]pyrene	22.75	276	181318	1.22 ug/ml	76
26) Benzo[g,h,i]perylene	24.35	276	170417	1.41 ug/ml	93

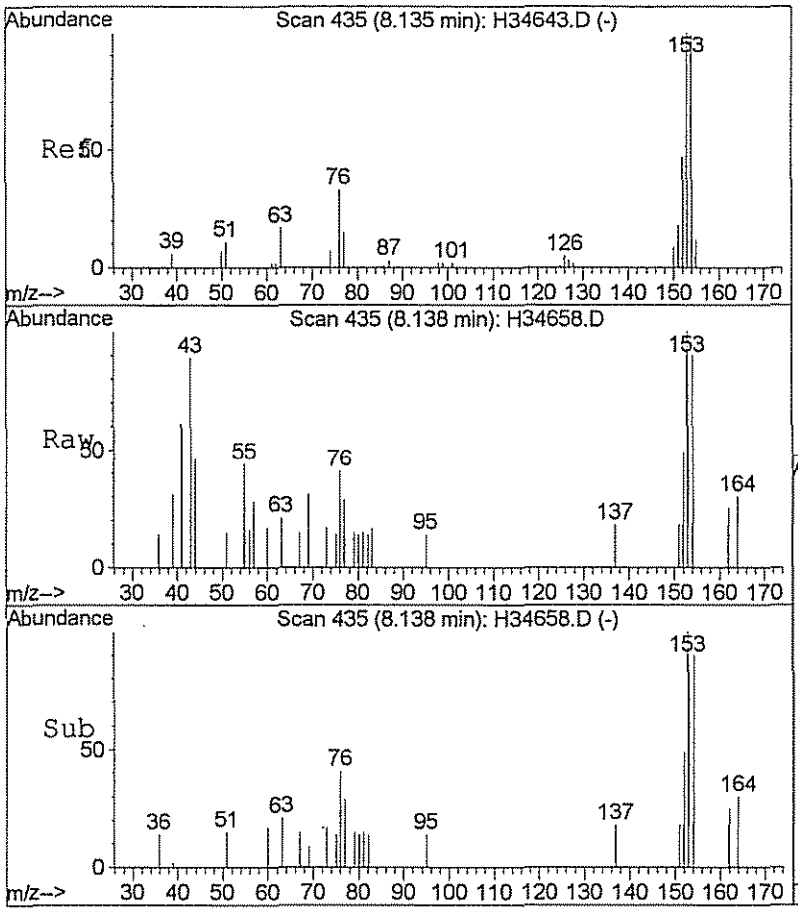
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34658.D Vial: 17
Acq On : 6 Sep 2006 15:40 Operator: JI
Sample : 608158-003-005-1/2 Inst : GC/MS- H
Misc : NWO-017-0019 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 9:59 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration

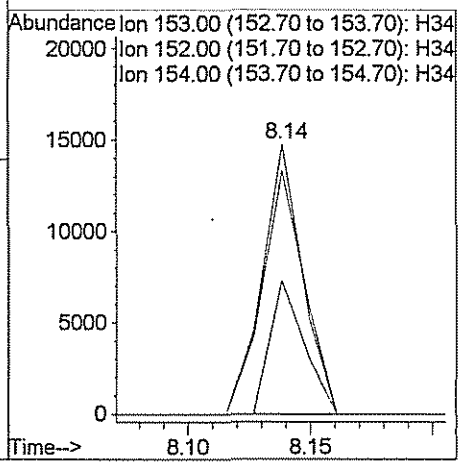


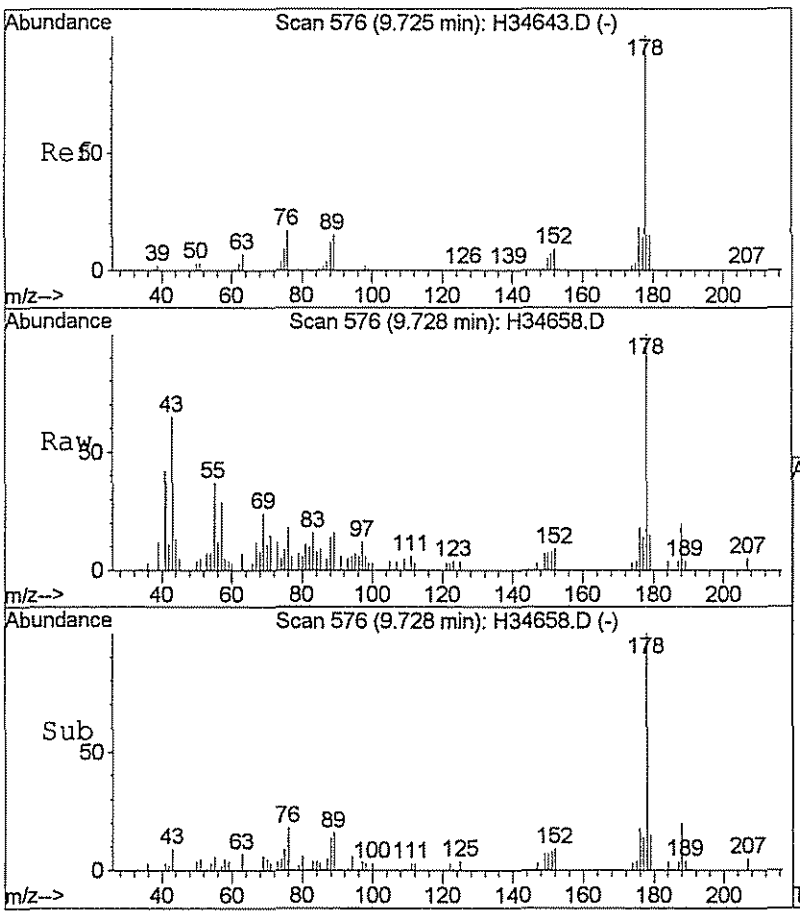


#9
Acenaphthene
Concen: 0.15 ug/ml
RT: 8.14 min Scan# 435
Delta R.T. 0.00 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:153 Resp: 16628

Ion	Ratio	Lower	Upper
153	100		
152	49.4	27.3	67.3
154	90.2	78.6	118.6

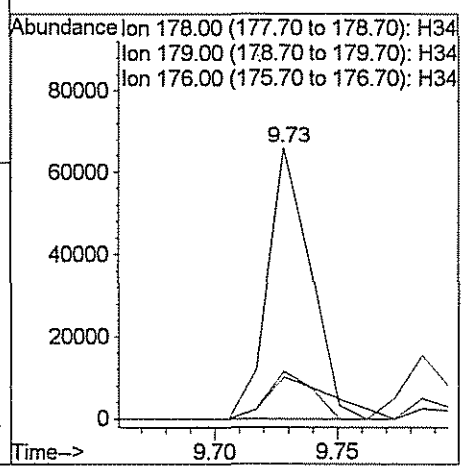


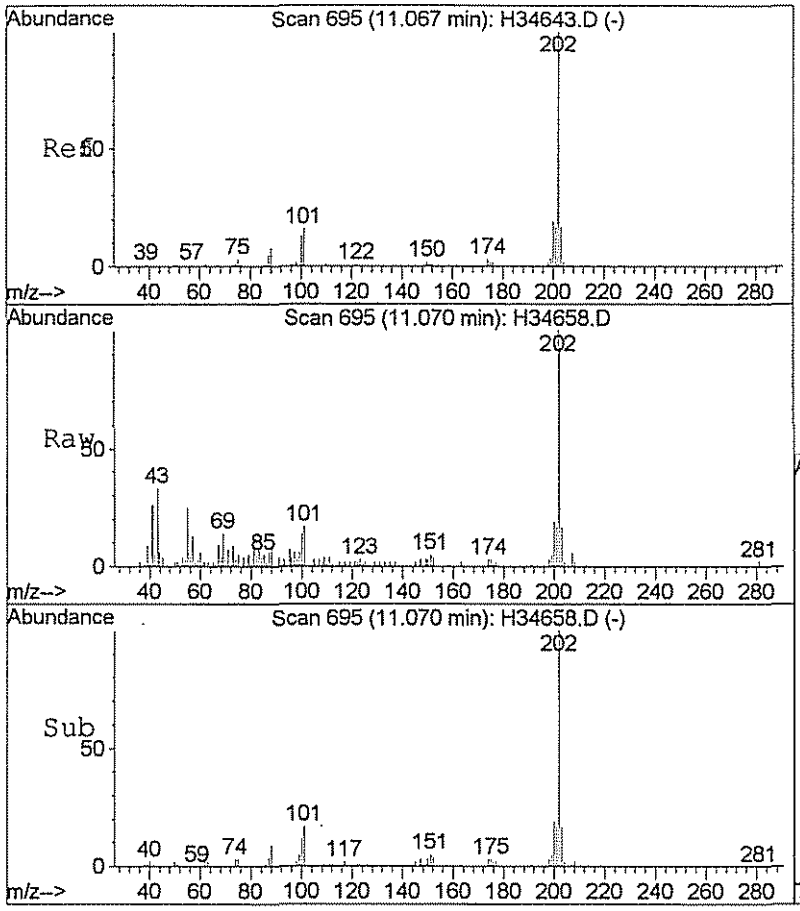


#12
Phenanthrene
Concen: 0.42 ug/ml
RT: 9.73 min Scan# 576
Delta R.T. 0.00 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:178 Resp: 79479

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	35.4
176	17.7	0.0	37.9

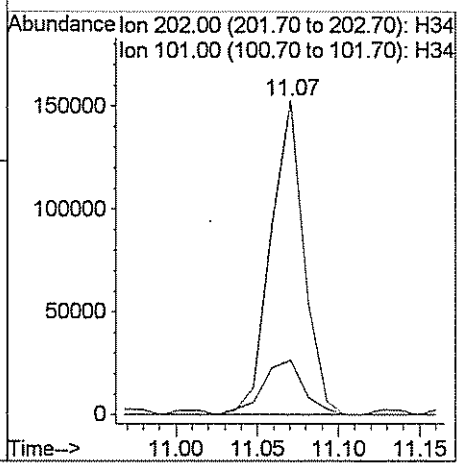


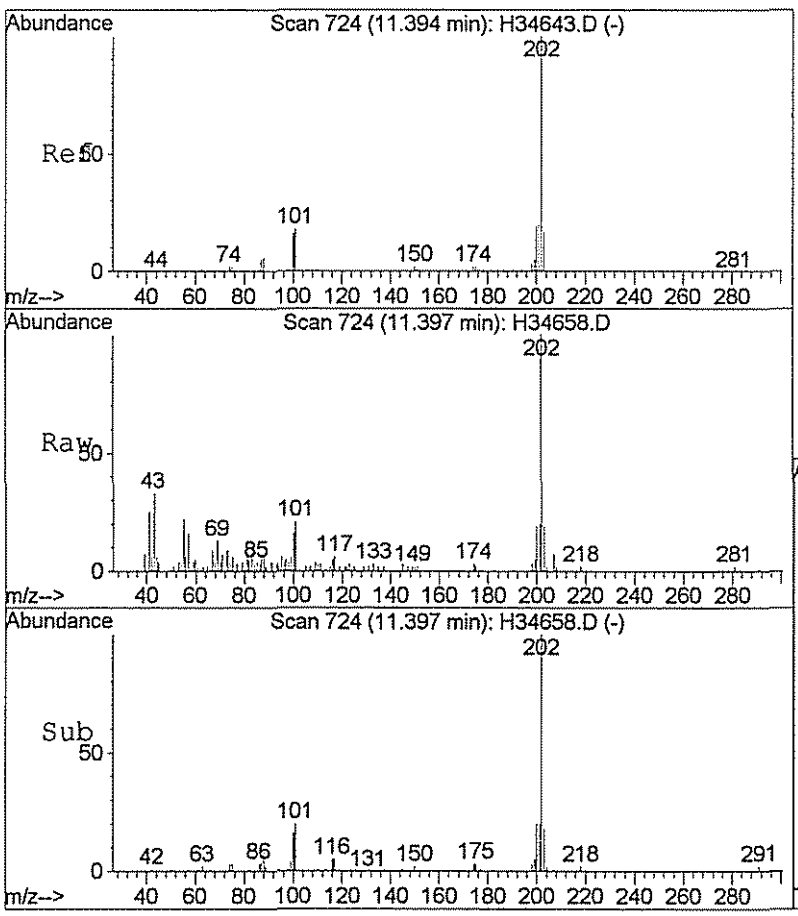


#14
Fluoranthene
Concen: 1.05 ug/ml
RT: 11.07 min Scan# 695
Delta R.T. 0.00 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:202 Resp: 216544

Ion	Ratio	Lower	Upper
202	100		
101	17.3	0.0	36.2

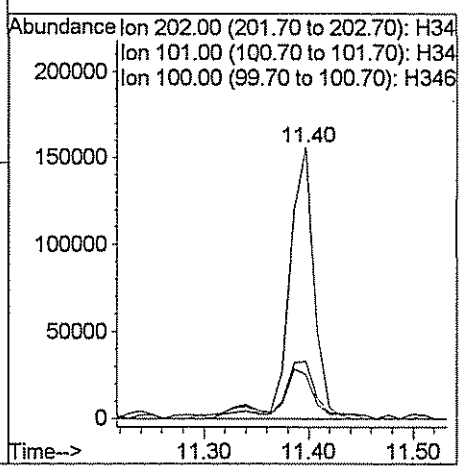


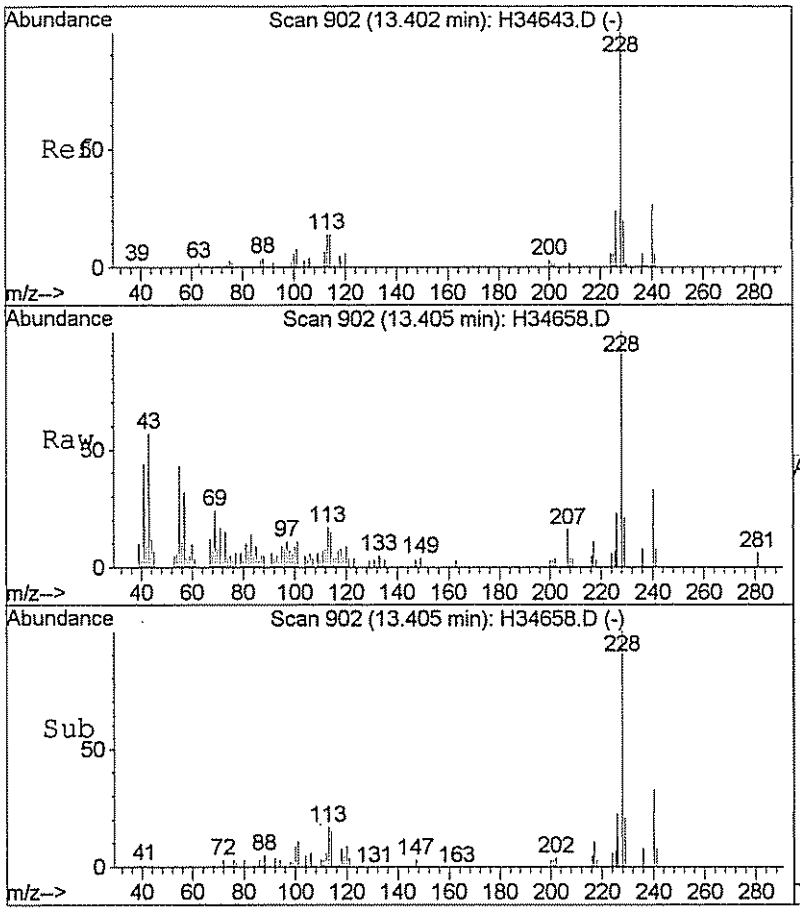


#16
Pyrene
Concen: 1.22 ug/ml
RT: 11.40 min Scan# 724
Delta R.T. 0.00 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:202 Resp: 263406

Ion	Ratio	Lower	Upper
202	100		
101	21.1	0.0	38.3
100	16.5	0.0	36.1

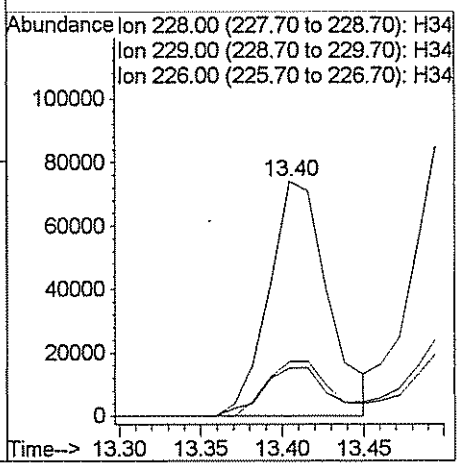


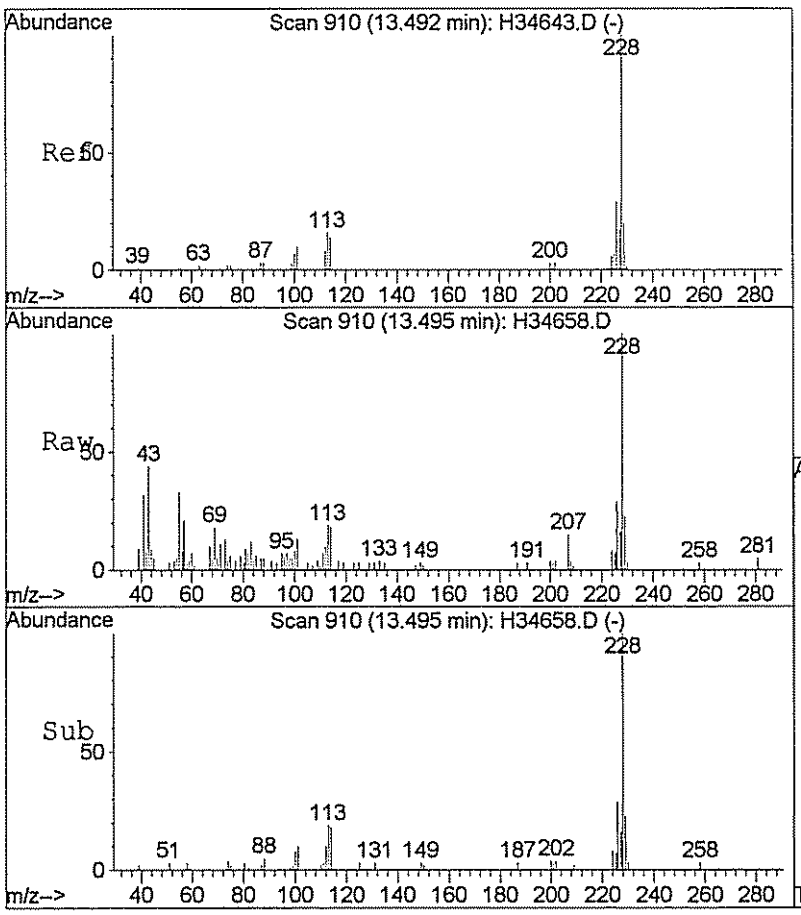


#18
Benzo[a]anthracene
Concen: 1.00 ug/ml
RT: 13.40 min Scan# 902
Delta R.T. 0.00 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:228 Resp: 186986

Ion	Ratio	Lower	Upper
228	100		
229	20.7	0.0	39.7
226	23.4	4.2	44.2

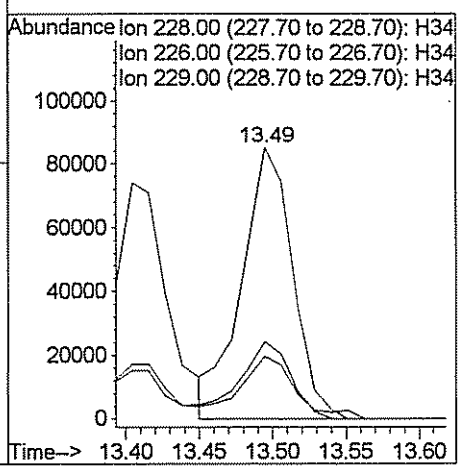


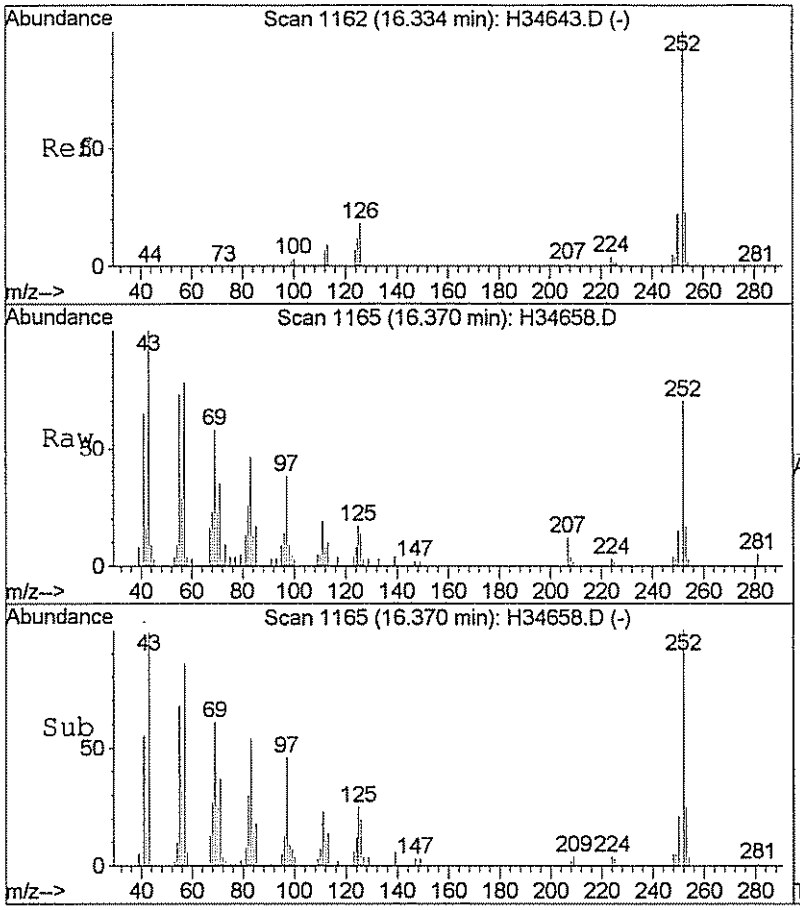


#19
Chrysene
Concen: 1.14 ug/ml
RT: 13.49 min Scan# 910
Delta R.T. 0.00 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:228 Resp: 204906

Ion	Ratio	Lower	Upper
228	100		
226	28.7	8.0	48.0
229	23.1	0.0	39.9

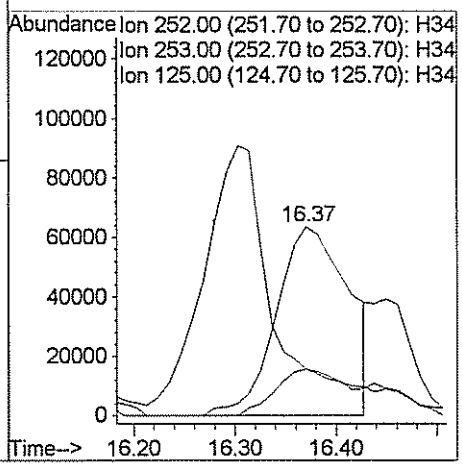


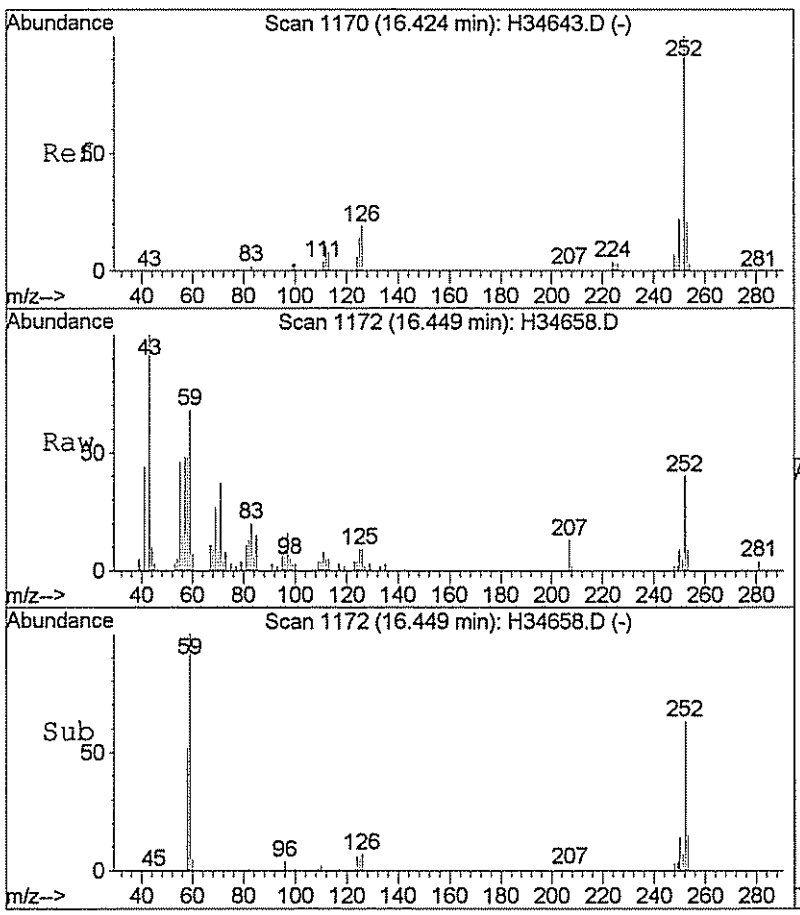


#21
Benzo[b]fluoranthene
Concen: 1.72 ug/ml m
RT: 16.37 min Scan# 1165
Delta R.T. 0.04 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:252 Resp: 315545

Ion	Ratio	Lower	Upper
252	100		
253	24.6	2.9	42.9
125	24.8	0.0	32.4

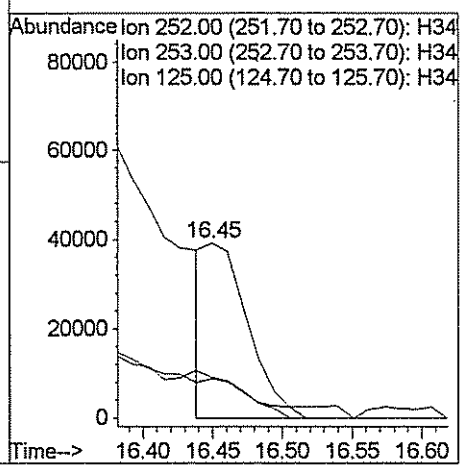


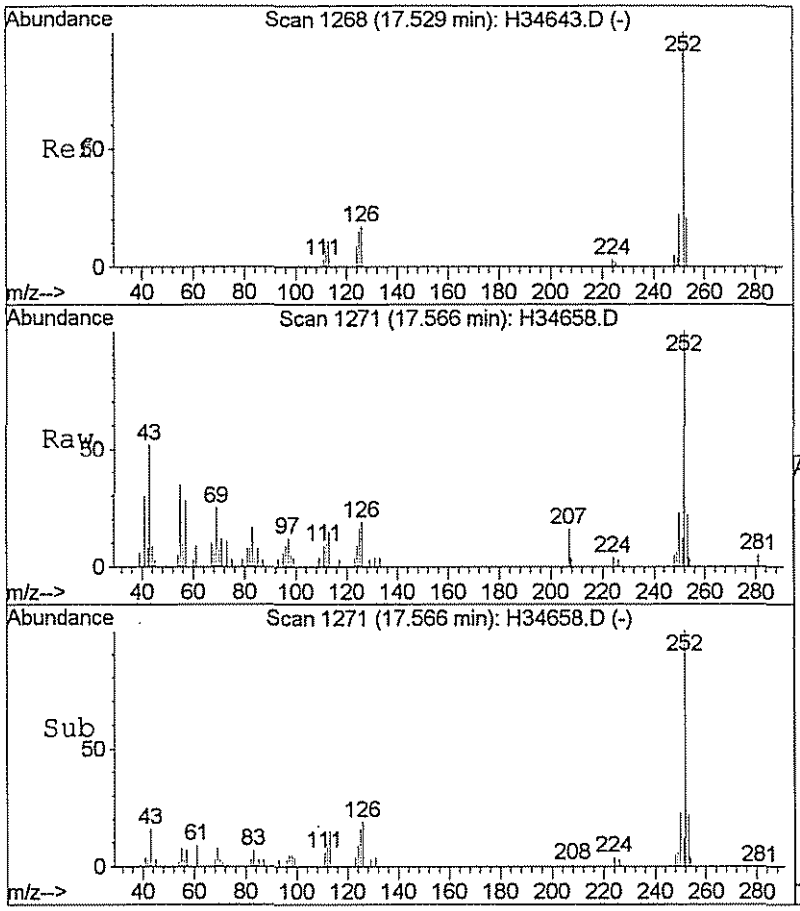


#22
Benzo[k]fluoranthene
Concen: 0.46 ug/ml m
RT: 16.45 min Scan# 1172
Delta R.T. 0.03 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:252 Resp: 83023

Ion	Ratio	Lower	Upper
252	100		
253	23.2	1.0	41.0
125	22.4	0.0	33.9

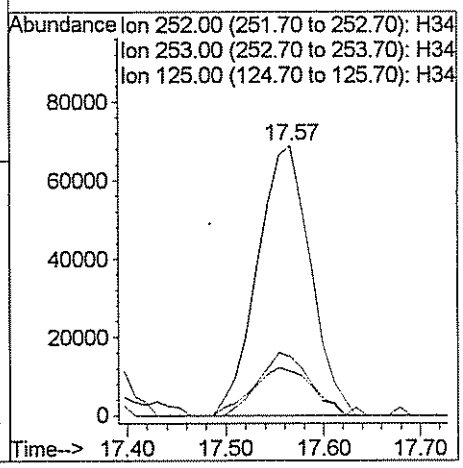


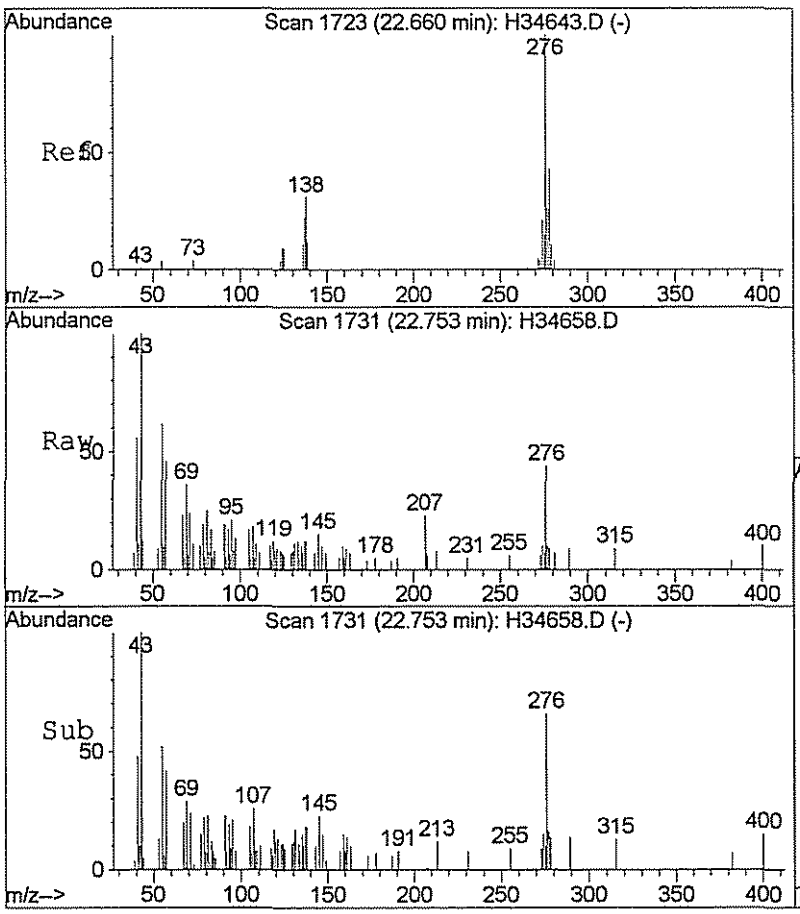


#23
Benzo[a]pyrene
Concen: 1.66 ug/ml
RT: 17.57 min Scan# 1271
Delta R.T. 0.04 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:252 Resp: 260583

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.5	40.5
125	16.4	0.0	35.3

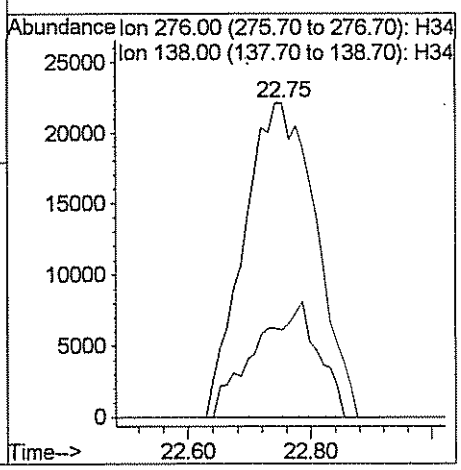


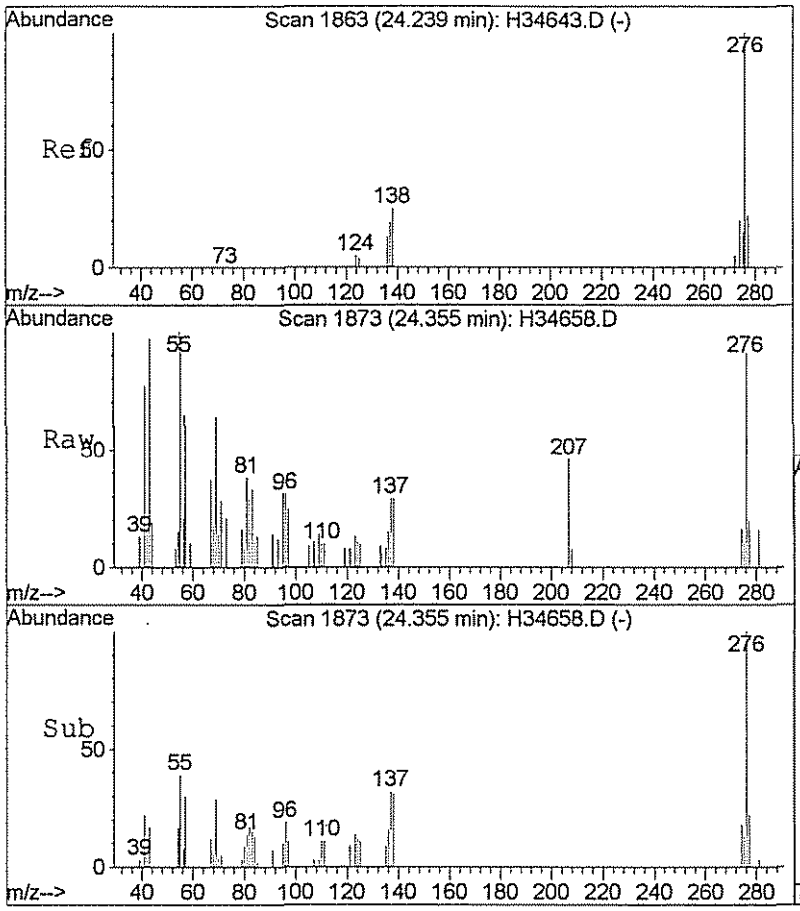


#24
Indeno[1,2,3-cd]pyrene
Concen: 1.22 ug/ml
RT: 22.75 min Scan# 1731
Delta R.T. 0.09 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:276 Resp: 181318

Ion	Ratio	Lower	Upper
276	100		
138	27.6	22.6	62.6

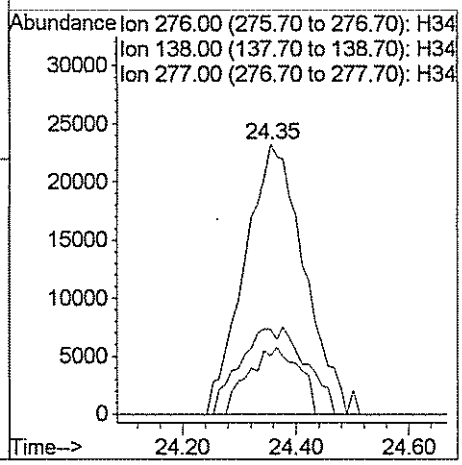




#26
Benzo[g,h,i]perylene
Concen: 1.41 ug/ml
RT: 24.35 min Scan# 1873
Delta R.T. 0.12 min
Lab File: H34658.D
Acq: 6 Sep 2006 15:40

Tgt Ion:276 Resp: 170417

Ion	Ratio	Lower	Upper
276	100		
138	31.4	5.2	45.2
277	21.7	1.8	41.8



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0020

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-004-007-1/2
Sample Volume :	30.04	Lab File ID :	H34659.D
% Moisture:	6.74	Date Received	08/26/2006
Extraction:	SW3540C	Date Extracted:	08/30/2006
Extract Volume:	1 mL	Date Analyzed	09/06/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	7.1	U
83-32-9	Acenaphthene	7.1	U
208-96-8	Acenaphthylene	7.1	U
120-12-7	Anthracene	7.1	U
56-55-3	Benzo(a)anthracene	7.1	U
50-32-8	Benzo(a)pyrene	7.1	U
205-99-2	Benzo(b)fluoranthene	7.1	U
191-24-2	Benzo(g,h,i)perylene	7.1	U
207-08-9	Benzo(k)fluoranthene	7.1	U
218-01-9	Chrysene	7.1	U
53-70-3	Dibenz(a,h)Anthracene	7.1	U
206-44-0	Fluoranthene	8.2	
86-73-7	Fluorene	7.1	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	7.1	U
91-20-3	Naphthalene	7.1	U
85-01-8	Phenanthrene	5.0	J
129-00-0	Pyrene	6.8	J

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34659.D Vial: 18
Acq On : 6 Sep 2006 16:11 Operator: JI
Sample : 608158-004-007-1/2 Inst : GC/MS- H
Misc : NWO-017-0020 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 16:37 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

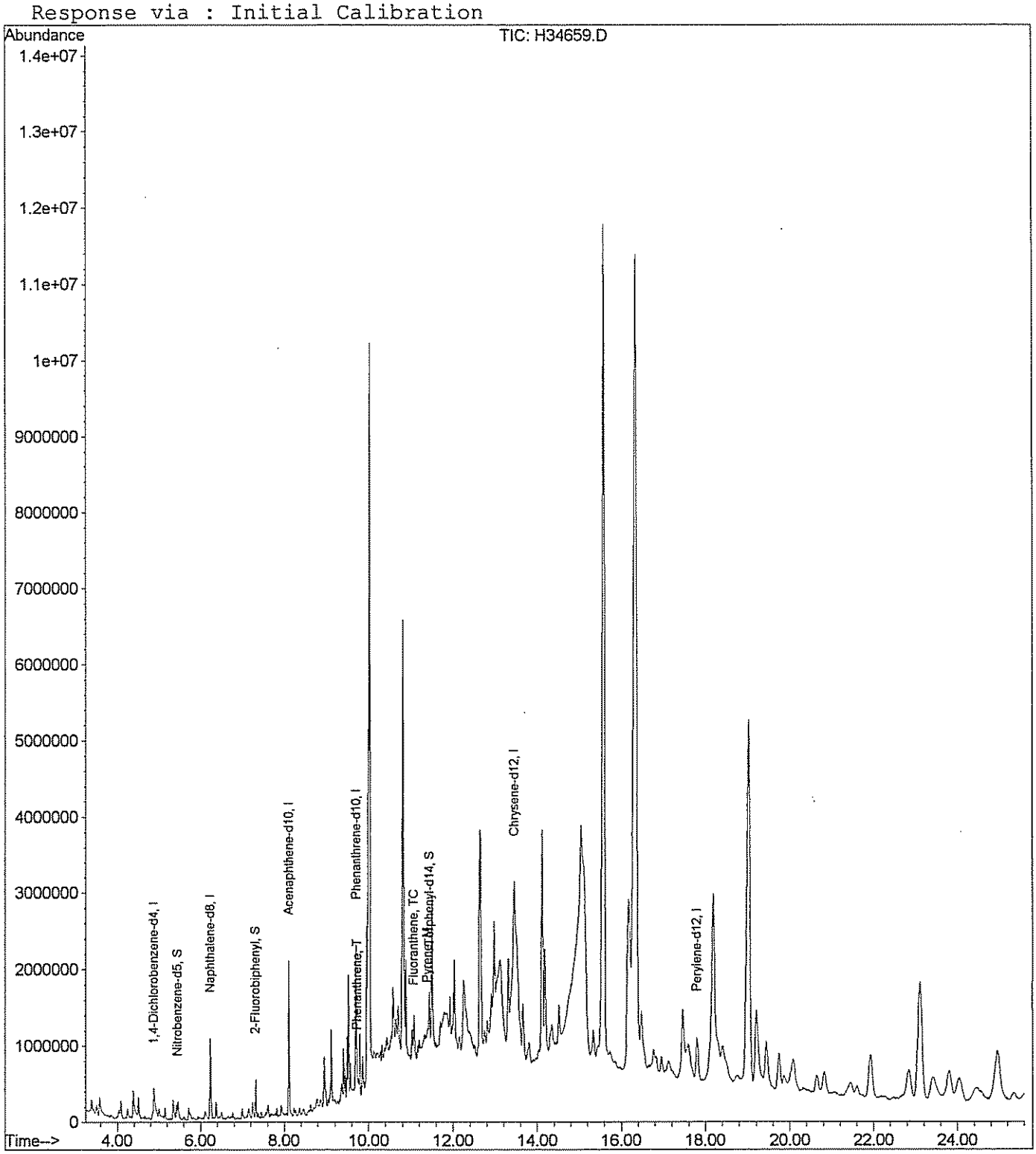
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.89	152	184299	4.00 ug/ml	0.00
2) Naphthalene-d8	6.23	136	735365	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.10	164	440628	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.71	188	787589	4.00 ug/ml	0.00
15) Chrysene-d12	13.45	240	726492	4.00 ug/ml	0.03
20) Perylene-d12	17.80	264	606864	4.00 ug/ml	0.07
System Monitoring Compounds					
3) Nitrobenzene-d5	5.45	82	160983	1.58 ug/ml	0.00
Spiked Amount 2.000	Range 29 - 140		Recovery = 79.00%		
7) 2-Fluorobiphenyl	7.31	172	192552	1.34 ug/ml	0.00
Spiked Amount 2.000	Range 31 - 125		Recovery = 67.00%		
17) Terphenyl-d14	11.44	244	266633	1.67 ug/ml	0.01
Spiked Amount 2.000	Range 26 - 160		Recovery = 83.50%		
Target Compounds					Qvalue
12) Phenanthrene	9.73	178	27151	0.14 ug/ml	91
14) Fluoranthene	11.07	202	50429	0.23 ug/ml	73
16) Pyrene	11.40	202	44950	0.19 ug/ml	76

(#) = qualifier out of range (m) = manual integration

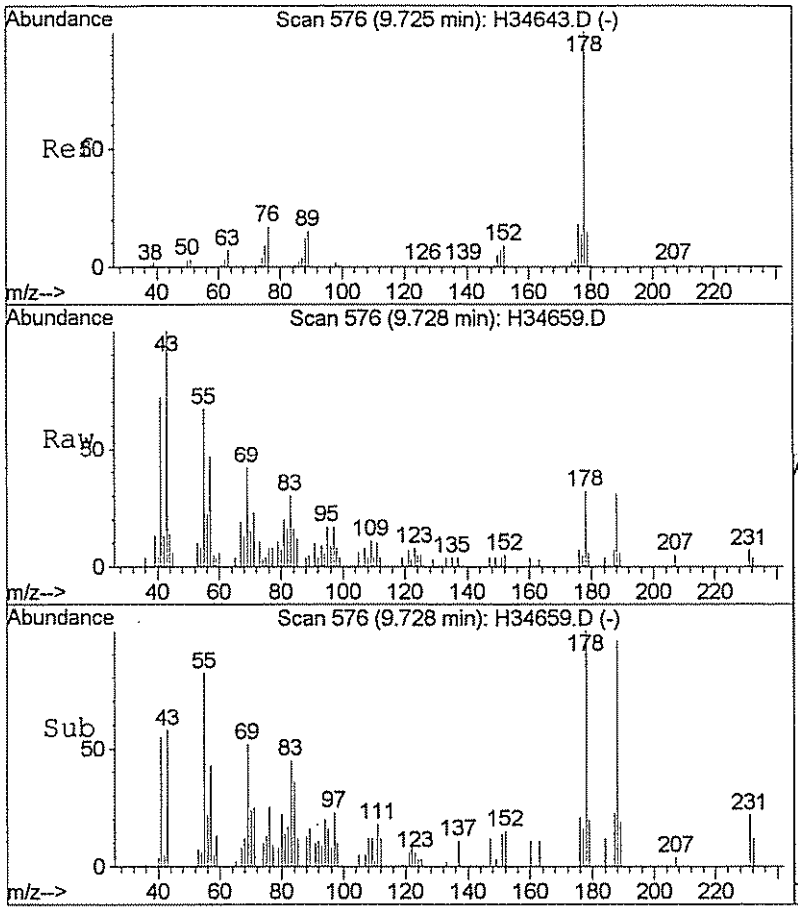
Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34659.D Vial: 18
Acq On : 6 Sep 2006 16:11 Operator: JI
Sample : 608158-004-007-1/2 Inst : GC/MS- H
Misc : NWO-017-0020 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 16:37 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration



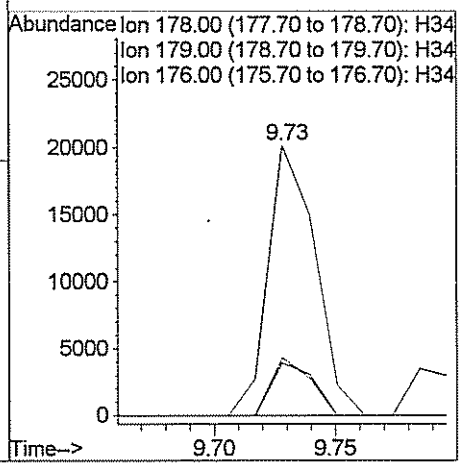
H34659.D LOPAH.M Thu Sep 07 10:01:08 2006 A Page 2

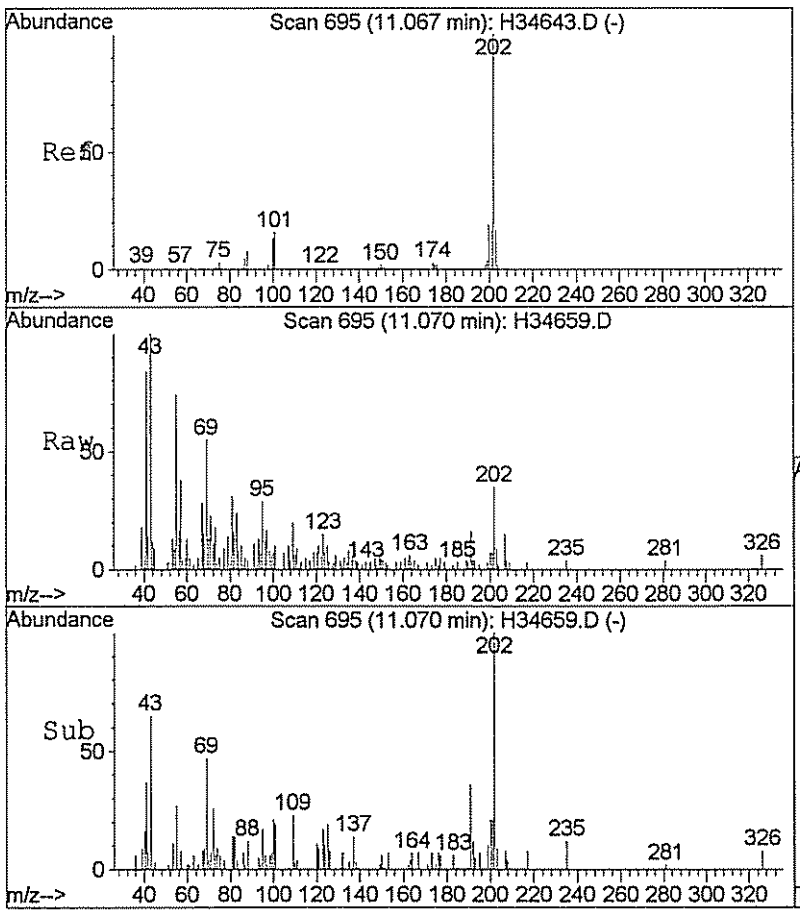


#12
Phenanthrene
Concen: 0.14 ug/ml
RT: 9.73 min Scan# 576
Delta R.T. 0.00 min
Lab File: H34659.D
Acq: 6 Sep 2006 16:11

Tgt Ion:178 Resp: 27151

Ion	Ratio	Lower	Upper
178	100		
179	19.5	0.0	35.4
176	21.5	0.0	37.9

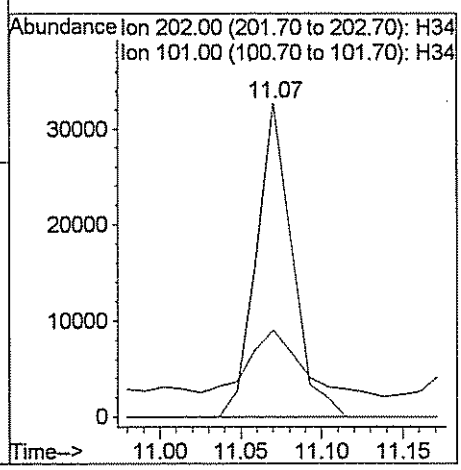


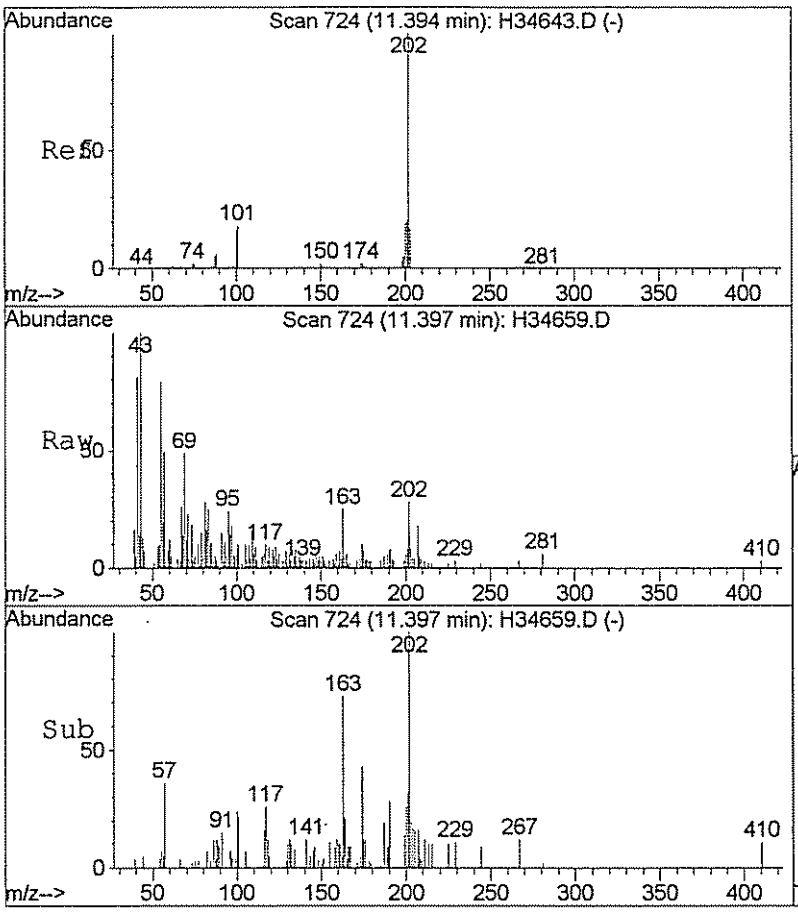


#14
Fluoranthene
Concen: 0.23 ug/ml
RT: 11.07 min Scan# 695
Delta R.T. 0.00 min
Lab File: H34659.D
Acq: 6 Sep 2006 16:11

Tgt Ion:202 Resp: 50429

Ion	Ratio	Lower	Upper
202	100		
101	27.7	0.0	36.2

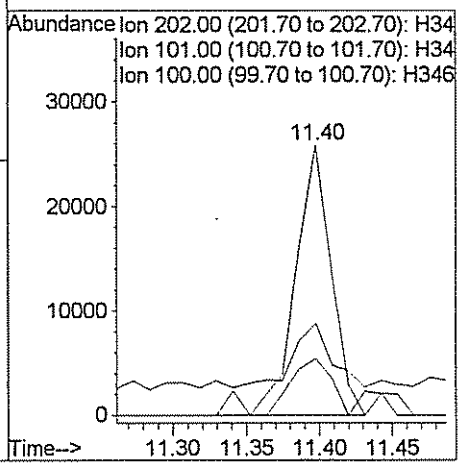




#16
Pyrene
Concen: 0.19 ug/ml
RT: 11.40 min Scan# 724
Delta R.T. 0.00 min
Lab File: H34659.D
Acq: 6 Sep 2006 16:11

Tgt Ion:202 Resp: 44950

Ion	Ratio	Lower	Upper
202	100		
101	33.9	0.0	38.3
100	20.9	0.0	36.1



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0021

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-005-011-1/6
Sample Volume :	30.01	Lab File ID :	H34660.D
% Moisture:	8.74	Date Received	08/26/2006
Extraction:	SW3540C	Date Extracted:	08/30/2006
Extract Volume:	1 mL	Date Analyzed	09/06/2006
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	7.3	U
83-32-9	Acenaphthene	7.3	U
208-96-8	Acenaphthylene	7.3	U
120-12-7	Anthracene	7.3	U
56-55-3	Benzo(a)anthracene	7.3	U
50-32-8	Benzo(a)pyrene	7.3	U
205-99-2	Benzo(b)fluoranthene	7.3	U
191-24-2	Benzo(g,h,i)perylene	7.3	U
207-08-9	Benzo(k)fluoranthene	7.3	U
218-01-9	Chrysene	7.3	U
53-70-3	Dibenz(a,h)Anthracene	7.3	U
206-44-0	Fluoranthene	7.3	U
86-73-7	Fluorene	7.3	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	7.3	U
91-20-3	Naphthalene	7.3	U
85-01-8	Phenanthrene	7.3	U
129-00-0	Pyrene	7.3	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34660.D Vial: 19
Acq On : 6 Sep 2006 16:42 Operator: JI
Sample : 608158-005-011-1/6 Inst : GC/MS- H
Misc : NWO-017-0021 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 17:08 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.88	152	195560	4.00 ug/ml	0.00
2) Naphthalene-d8	6.24	136	804229	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.11	164	463061	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.71	188	805616	4.00 ug/ml	0.00
15) Chrysene-d12	13.44	240	728098	4.00 ug/ml	0.02
20) Perylene-d12	17.77	264	622121	4.00 ug/ml	0.04

System Monitoring Compounds

3) Nitrobenzene-d5	5.45	82	179149	1.61 ug/ml	0.00
Spiked Amount 2.000	Range 29 - 140		Recovery	= 80.50%	
7) 2-Fluorobiphenyl	7.31	172	222564	1.47 ug/ml	0.00
Spiked Amount 2.000	Range 31 - 125		Recovery	= 73.50%	
17) Terphenyl-d14	11.44	244	269510	1.69 ug/ml	0.00
Spiked Amount 2.000	Range 26 - 160		Recovery	= 84.50%	

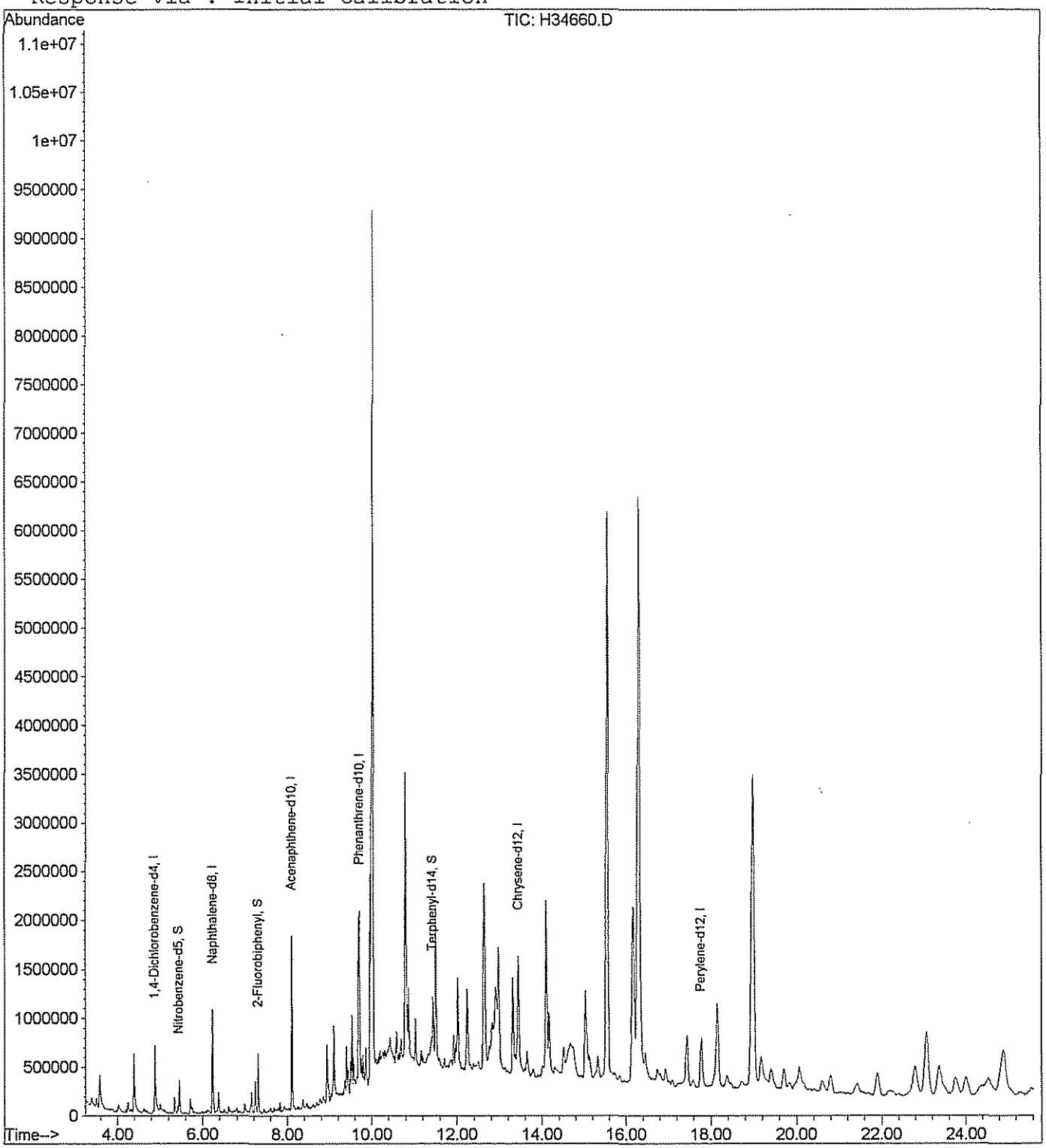
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34660.D Vial: 19
Acq On : 6 Sep 2006 16:42 Operator: JI
Sample : 608158-005-011-1/6 Inst : GC/MS- H
Misc : NWO-017-0021 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 17:08 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration



C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report GC/MS- H

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Sep 05 06:27:58 2006
Response via : Initial Calibration

Calibration Files
0.5 =H34612.D 2.5 =H34609.D 1.0 =H34613.D
10 =H34615.D .2 =H34611.D 5 =H34614.D

		Compound	0.5	2.5	1.0	10	.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)	I	Naphthalene-d8	----------ISTD----------							
3)	S	Nitrobenzene-d5	0.493	0.548	0.568	0.584	0.546	0.568	0.554	5.38
4)	T	Naphthalene	1.080	0.991	1.117	1.105	1.195	1.090	1.091	5.63
5)	T	2-Methylnaphthalene	0.665	0.640	0.705	0.699	0.724	0.687	0.685	4.09
6)	I	Acenaphthene-d10	----------ISTD----------							
7)	S	2-Fluorobiphenyl	1.286	1.192	1.354	1.290	1.450	1.300	1.304	6.21
8)	T	Acenaphthylene	1.798	1.619	1.831	1.821	1.916	1.819	1.792	5.14
9)	MC	Acenaphthene	1.018	0.967	1.071	1.114	1.083	1.086	1.055	4.68
10)	T	Fluorene	1.194	1.132	1.250	1.262	1.425	1.274	1.248	7.39
11)	I	Phenanthrene-d10	----------ISTD----------							
12)	T	Phenanthrene	0.978	0.924	1.006	0.995	1.237	1.002	1.011	10.34
13)	T	Anthracene	1.040	0.996	1.105	1.031	1.121	1.059	1.046	5.21
14)	TC	Fluoranthene	1.087	1.024	1.164	1.114	1.230	1.116	1.114	6.06
15)	I	Chrysene-d12	----------ISTD----------							
16)	M	Pyrene	1.296	1.181	1.298	1.304	1.468	1.281	1.293	6.94
17)	S	Terphenyl-d14	0.861	0.827	0.899	0.881	0.970	0.873	0.877	5.58
18)	T	Benzo[a]anthracene	1.129	1.027	1.196	1.143	1.209	1.113	1.126	5.81
19)	T	Chrysene	1.088	0.966	1.104	1.057	1.240	1.077	1.076	8.11
20)	I	Perylene-d12	----------ISTD----------							
21)	T	Benzo[b]fluoranthen	1.166	1.202	1.254	1.399	1.366	1.318	1.308	8.01
22)	T	Benzo[k]fluoranthen	1.292	1.120	1.277	1.354	1.324	1.289	1.282	5.95
23)	TC	Benzo[a]pyrene	1.032	1.028	1.126	1.207	1.109	1.140	1.122	6.59
24)	T	Indeno[1,2,3-cd]pyr	0.953	0.996	1.064	1.175	0.899	1.151	1.058	10.58
25)	T	Dibenz[a,h]anthrace	0.799	0.803	0.868	0.981	0.730	0.948	0.872	11.35
26)	T	Benzo[g,h,i]perylen	0.788	0.806	0.871	0.951	0.757	0.931	0.865	9.41

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090406\H34609.D Vial: 3
Acq On : 4 Sep 2006 9:10 Operator: JI
Sample : SSTD02.5 Inst : GC/MS- H
Misc : SSTD02.5 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 9:36 2006 Quant Results File: LOPAH.RES

Quant Method : H:\GCMSDATA\H\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Jul 12 12:33:58 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.92	152	133454	4.00	ug/ml	0.00
2) Naphthalene-d8	6.26	136	550481	4.00	ug/ml	0.00
6) Acenaphthene-d10	8.13	164	315030	4.00	ug/ml	0.00
11) Phenanthrene-d10	9.73	188	553254	4.00	ug/ml	0.00
15) Chrysene-d12	13.50	240	493506	4.00	ug/ml	0.00
20) Perylene-d12	17.84	264	391680	4.00	ug/ml	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	5.48	82	188617	2.98	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	149.00%#	
7) 2-Fluorobiphenyl	7.34	172	234709	2.35	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	117.50%	
17) Terphenyl-d14	11.48	244	254977	2.29	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	114.50%	

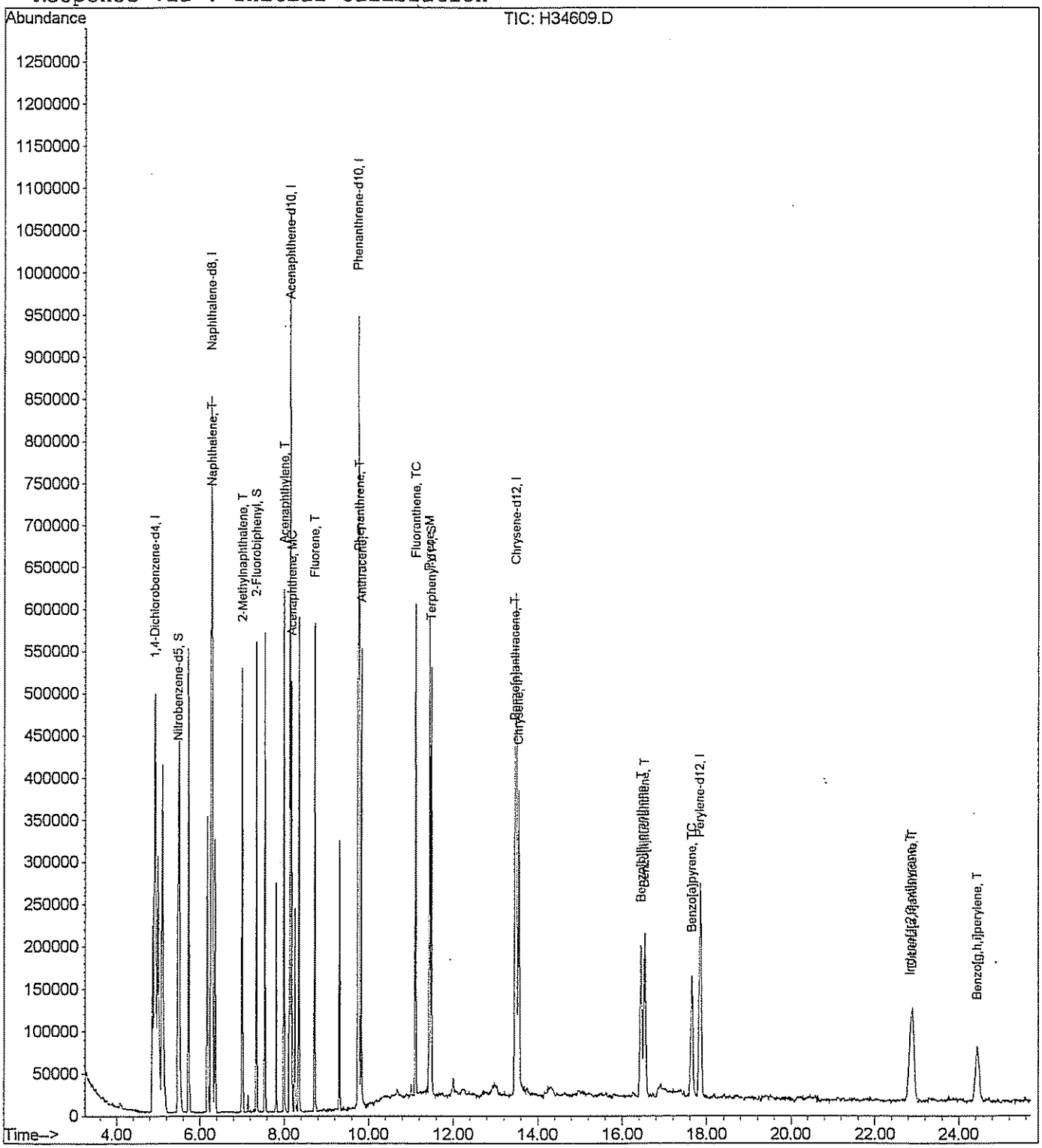
Target Compounds						Qvalue
4) Naphthalene	6.28	128	341052	2.31	ug/ml	100
5) 2-Methylnaphthalene	7.00	142	220045	2.49	ug/ml	100
8) Acenaphthylene	8.00	152	318686	2.25	ug/ml	100
9) Acenaphthene	8.18	153	190480	2.26	ug/ml	100
10) Fluorene	8.72	166	222816	2.42	ug/ml	100
12) Phenanthrene	9.77	178	319529	2.21	ug/ml	100
13) Anthracene	9.82	178	344441	2.08	ug/ml	100
14) Fluoranthene	11.11	202	354111	2.22	ug/ml	100
16) Pyrene	11.44	202	364420	2.36	ug/ml	100
18) Benzo[a]anthracene	13.47	228	316660	2.45	ug/ml	100
19) Chrysene	13.56	228	298056	1.96	ug/ml	100
21) Benzo[b]fluoranthene	16.44	252	294222	3.31	ug/ml	100
22) Benzo[k]fluoranthene	16.53	252	274078	1.95	ug/ml	100
23) Benzo[a]pyrene	17.65	252	251658	2.42	ug/ml	100
24) Indeno[1,2,3-cd]pyrene	22.85	276	243892	2.11	ug/ml	100
25) Dibenz[a,h]anthracene	22.89	278	196620	2.07	ug/ml	100
26) Benzo[g,h,i]perylene	24.44	276	197221m	2.04	ug/ml	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34609.D Vial: 3
Acq On : 4 Sep 2006 9:10 Operator: JI
Sample : SSTD02.5 Inst : GC/MS- H
Misc : SSTD02.5 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 9:36 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090406\H34610.D Vial: 3
Acq On : 4 Sep 2006 9:43 Operator: JI
Sample : SSTD020 Inst : GC/MS- H
Misc : SSTD020 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 10:09 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

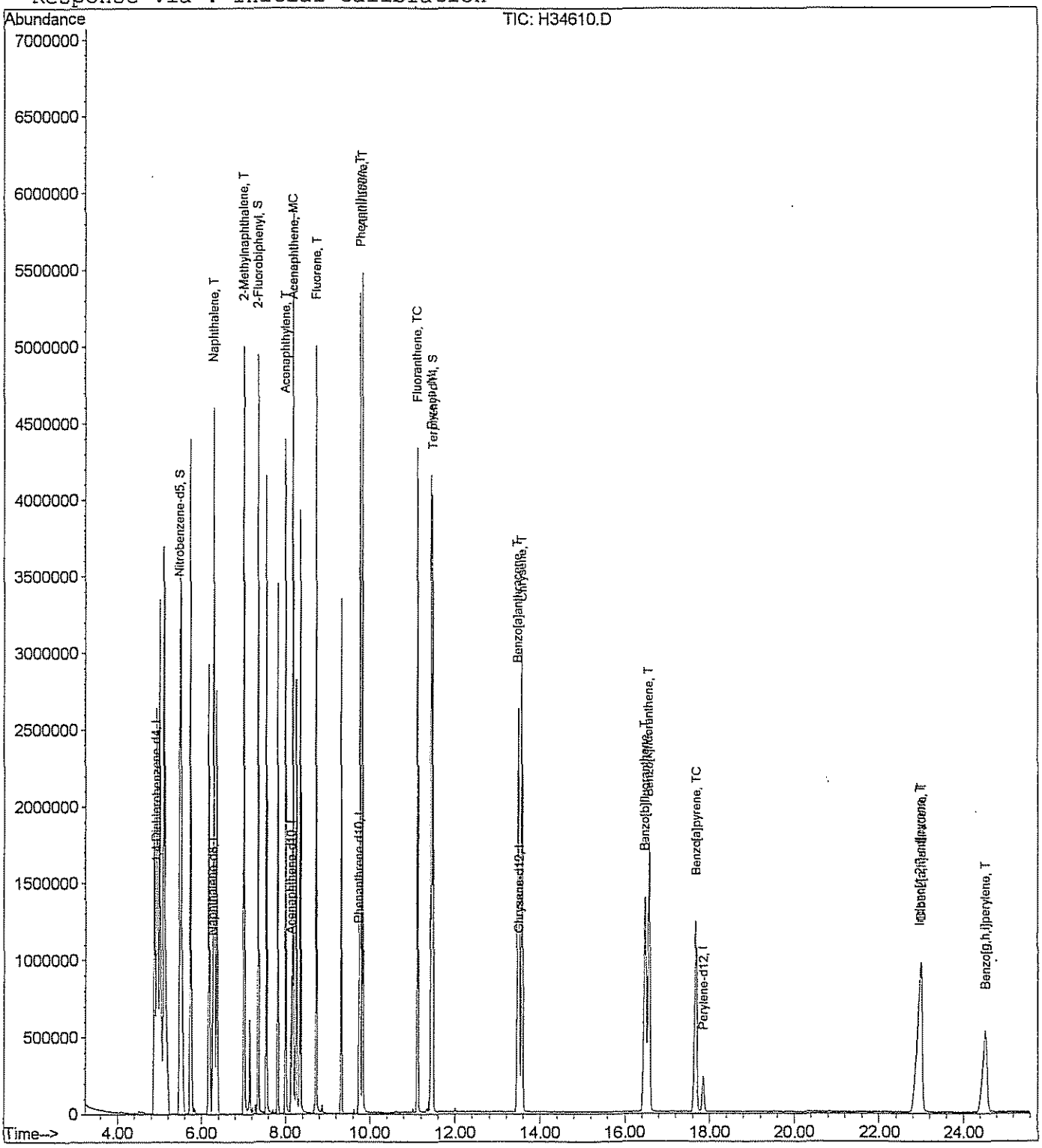
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.92	152	142581	4.00	ug/ml	0.00
2) Naphthalene-d8	6.26	136	580000	4.00	ug/ml	0.00
6) Acenaphthene-d10	8.14	164	317345	4.00	ug/ml	0.01
11) Phenanthrene-d10	9.75	188	550804	4.00	ug/ml	0.01
15) Chrysene-d12	13.51	240	496076	4.00	ug/ml	0.01
20) Perylene-d12	17.85	264	336019	4.00	ug/ml	0.01
System Monitoring Compounds						
3) Nitrobenzene-d5	5.48	82	1646553	24.73	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	= 1236.50%#		
7) 2-Fluorobiphenyl	7.34	172	1990052	19.76	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	= 988.00%#		
17) Terphenyl-d14	11.48	244	2053258	18.36	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	= 918.00%#		
Target Compounds						Qvalue
4) Naphthalene	6.28	128	3071757	19.79	ug/ml	99
5) 2-Methylnaphthalene	7.00	142	1956560	21.01	ug/ml	98
8) Acenaphthylene	8.00	152	2765406	19.42	ug/ml	99
9) Acenaphthene	8.18	153	1657953	19.53	ug/ml	99
10) Fluorene	8.72	166	1903535	20.56	ug/ml	96
12) Phenanthrene	9.77	178	2574582	17.85	ug/ml	99
13) Anthracene	9.82	178	2671230	16.24	ug/ml	98
14) Fluoranthene	11.11	202	2925056	18.43	ug/ml	91
16) Pyrene	11.45	202	3032527	19.54	ug/ml	100
18) Benzo[a]anthracene	13.48	228	2648104	20.41	ug/ml	99
19) Chrysene	13.58	228	2487298	16.26	ug/ml	99
21) Benzo[b]fluoranthene	16.48	252	2433937	31.93	ug/ml	98
22) Benzo[k]fluoranthene	16.57	252	2219451	18.39	ug/ml	99
23) Benzo[a]pyrene	17.68	252	2036227	22.83	ug/ml	98
24) Indeno[1,2,3-cd]pyrene	22.96	276	1967734	19.82	ug/ml	85
25) Dibenz[a,h]anthracene	23.00	278	1639829	20.10	ug/ml	99
26) Benzo[g,h,i]perylene	24.53	276	1593363	19.24	ug/ml	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34610.D Vial: 3
Acq On : 4 Sep 2006 9:43 Operator: JI
Sample : SSTD020 Inst : GC/MS- H
Misc : SSTD020 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 10:09 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090406\H34611.D Vial: 4
Acq On : 4 Sep 2006 10:13 Operator: JI
Sample : SSTD00.2 Inst : GC/MS- H
Misc : SSTD00.2 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 11:12 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

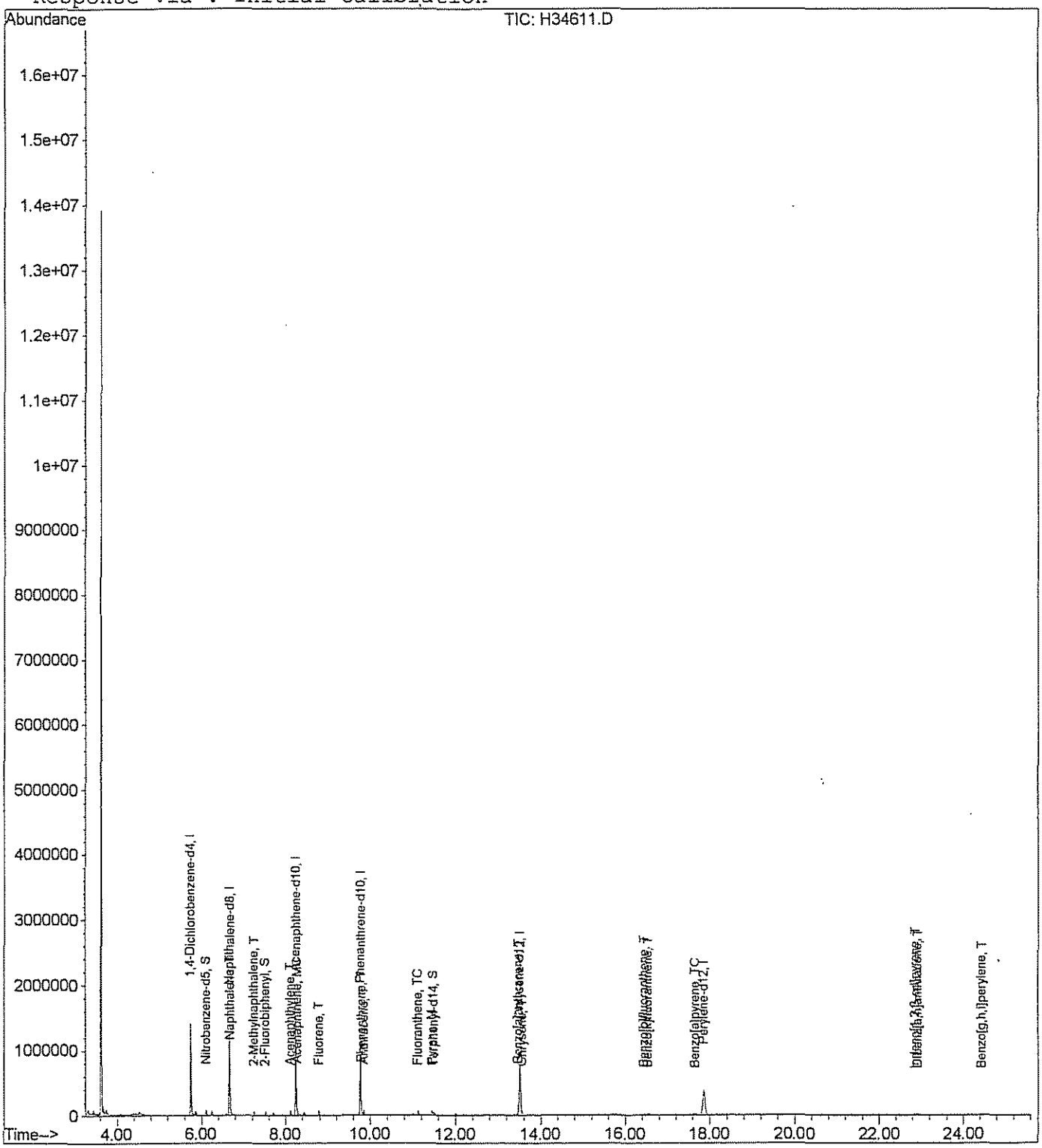
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.74	152	198493m	4.00	ug/ml	0.82
2) Naphthalene-d8	6.66	136	820321m	4.00	ug/ml	0.40
6) Acenaphthene-d10	8.24	164	438972	4.00	ug/ml	0.11
11) Phenanthrene-d10	9.77	188	764840	4.00	ug/ml	0.04
15) Chrysene-d12	13.51	240	689547	4.00	ug/ml	0.00
20) Perylene-d12	17.86	264	569800	4.00	ug/ml	0.02
System Monitoring Compounds						
3) Nitrobenzene-d5	6.11	82	22413m	0.24	ug/ml	0.63
Spiked Amount 2.000	Range 20 - 138		Recovery	=	12.00%#	
7) 2-Fluorobiphenyl	7.52	172	31818	0.23	ug/ml	0.18
Spiked Amount 2.000	Range 20 - 138		Recovery	=	11.50%#	
17) Terphenyl-d14	11.49	244	33442	0.22	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	11.00%#	
Target Compounds						Qvalue
4) Naphthalene	6.67	128	48997m	0.22	ug/ml	
5) 2-Methylnaphthalene	7.25	142	29700m	0.23	ug/ml	
8) Acenaphthylene	8.12	152	42047	0.21	ug/ml	97
9) Acenaphthene	8.27	153	23780	0.20	ug/ml	92
10) Fluorene	8.78	166	31284	0.24	ug/ml	89
12) Phenanthrene	9.80	178	47287	0.24	ug/ml	99
13) Anthracene	9.85	178	42860	0.19	ug/ml	98
14) Fluoranthene	11.13	202	47028	0.21	ug/ml	98
16) Pyrene	11.45	202	50611	0.23	ug/ml	97
18) Benzo[a]anthracene	13.47	228	41697	0.23	ug/ml	93
19) Chrysene	13.56	228	42764	0.20	ug/ml	94
21) Benzo[b]fluoranthene	16.45	252	38928	0.30	ug/ml	84
22) Benzo[k]fluoranthene	16.54	252	37725	0.18	ug/ml	87
23) Benzo[a]pyrene	17.66	252	31582	0.21	ug/ml	84
24) Indeno[1,2,3-cd]pyrene	22.86	276	25608m	0.15	ug/ml	
25) Dibenz[a,h]anthracene	22.91	278	20793m	0.15	ug/ml	
26) Benzo[g,h,i]perylene	24.43	276	21577m	0.15	ug/ml	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34611.D Vial: 4
Acq On : 4 Sep 2006 10:13 Operator: JI
Sample : SSTD00.2 Inst : GC/MS- H
Misc : SSTD00.2 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 11:12 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration

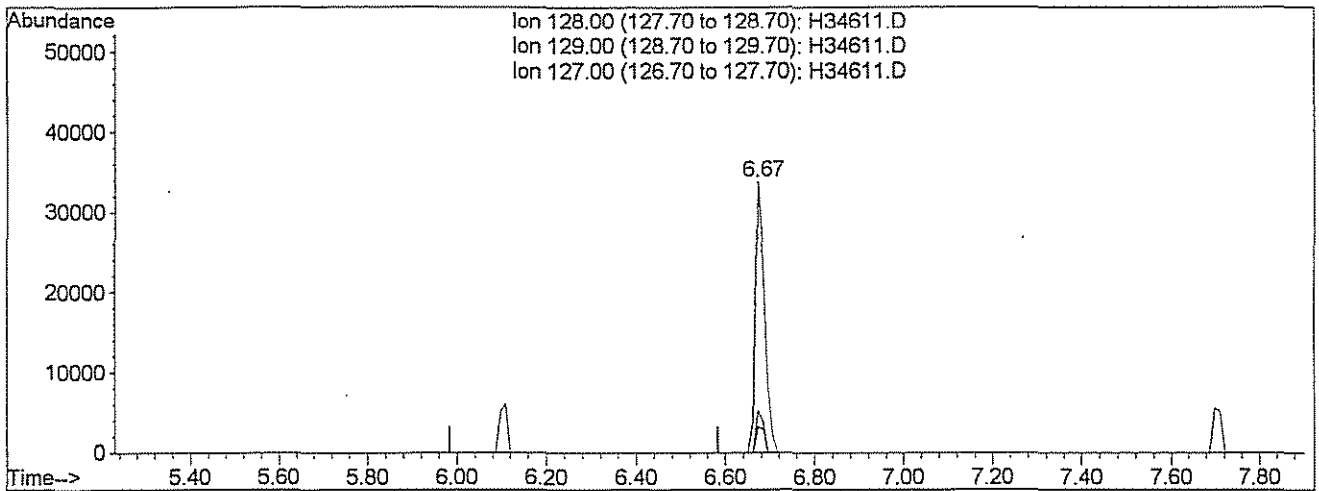


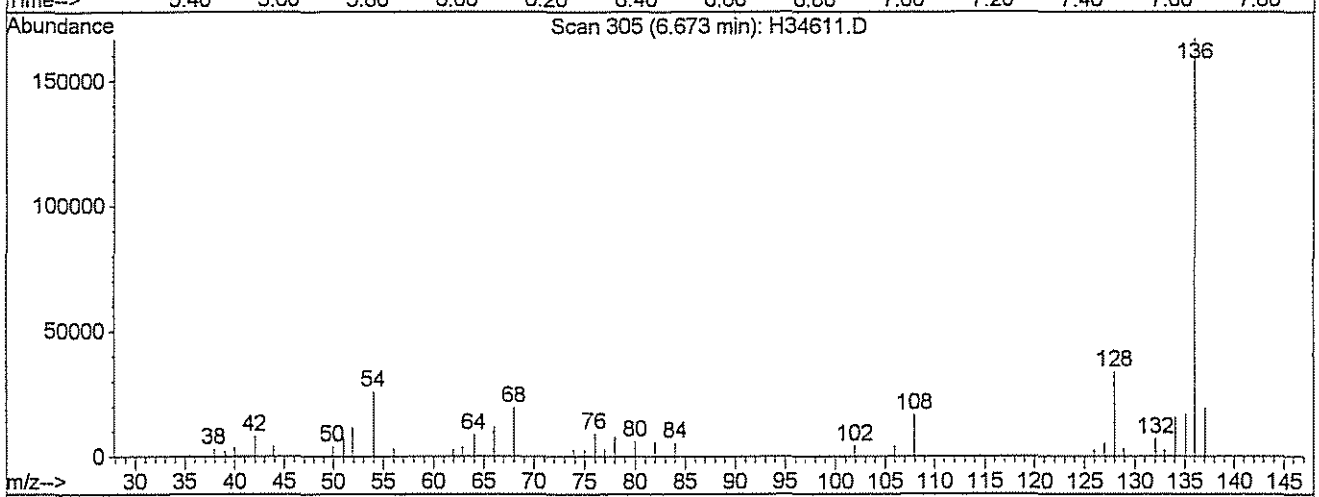
Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34611.D
Acq On : 4 Sep 2006 10:13
Sample : SSTD00.2
Misc : SSTD00.2 HP#H JI
Quant Time: Sep 4 11:12 2006

Vial: 4
Operator: JI
Inst : GC/MS- H
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration





TIC: H34611.D

(4) Naphthalene (T)

6.67min 0.22ug/ml m

response 48997

Ion	Exp%	Act%
128.00	100	100
129.00	11.30	9.45
127.00	14.60	15.53
0.00	0.00	0.00

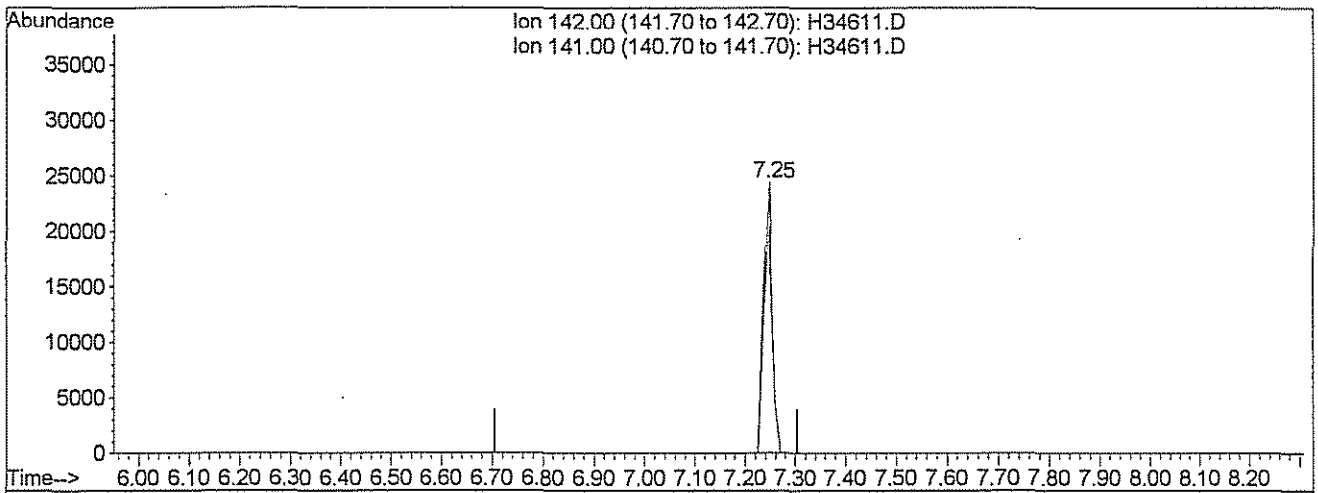
JI
9/5/06

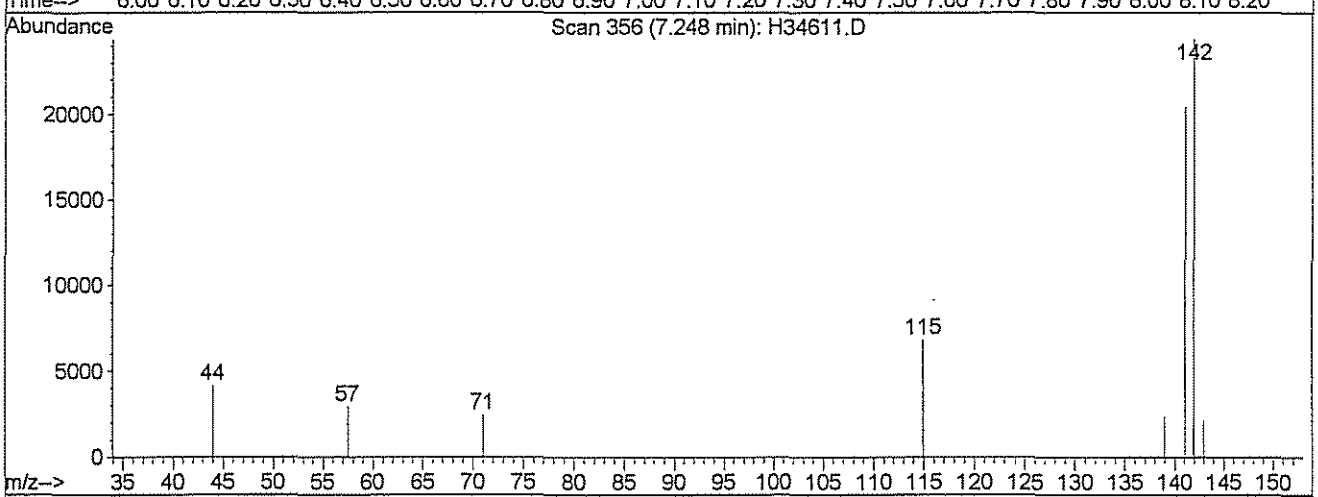
Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34611.D
Acq On : 4 Sep 2006 10:13
Sample : SSTD00.2
Misc : SSTD00.2 HP#H JI
Quant Time: Sep 4 11:12 2006

Vial: 4
Operator: JI
Inst : GC/MS- H
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration





TIC: H34611.D

(5) 2-Methylnaphthalene (T)

7.25min 0.23ug/ml m

response 29700

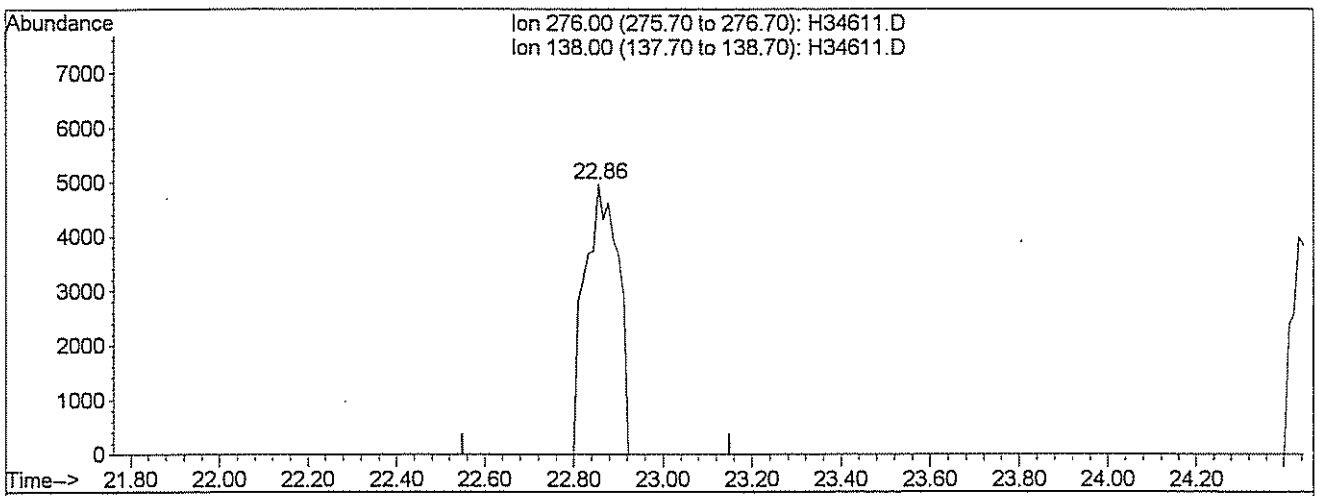
Ion	Exp%	Act%
142.00	100	100
141.00	84.80	83.79
0.00	0.00	0.00
0.00	0.00	0.00

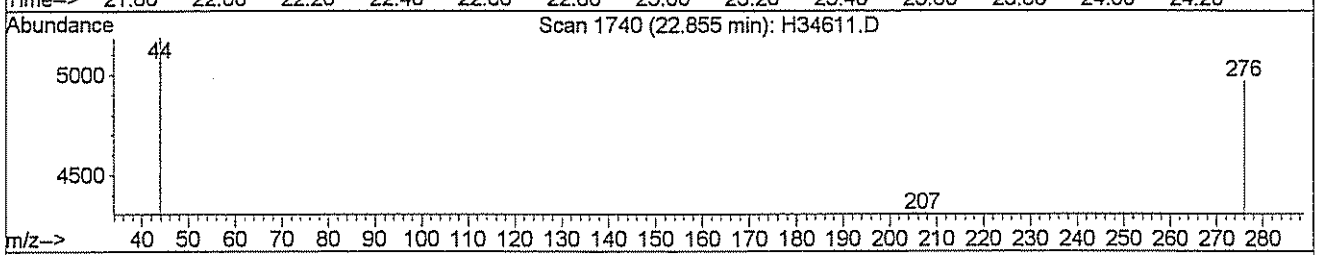
JI
9/5/06

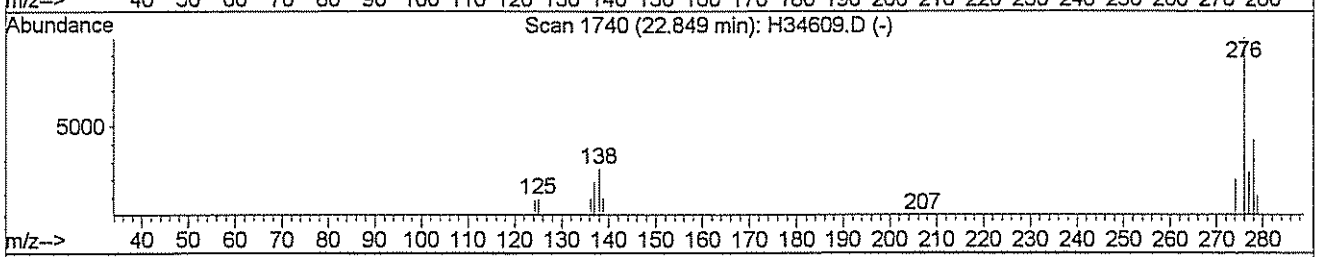
Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34611.D Vial: 4
Acq On : 4 Sep 2006 10:13 Operator: JI
Sample : SSTD00.2 Inst : GC/MS- H
Misc : SSTD00.2 HP#H JI Multiplr: 1.00
Quant Time: Sep 4 11:12 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration







TIC: H34611.D

(24) Indeno[1,2,3-cd]pyrene (T)

22.86min 0.15ug/ml m

response 25608

Ion	Exp%	Act%
276.00	100	100
138.00	26.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

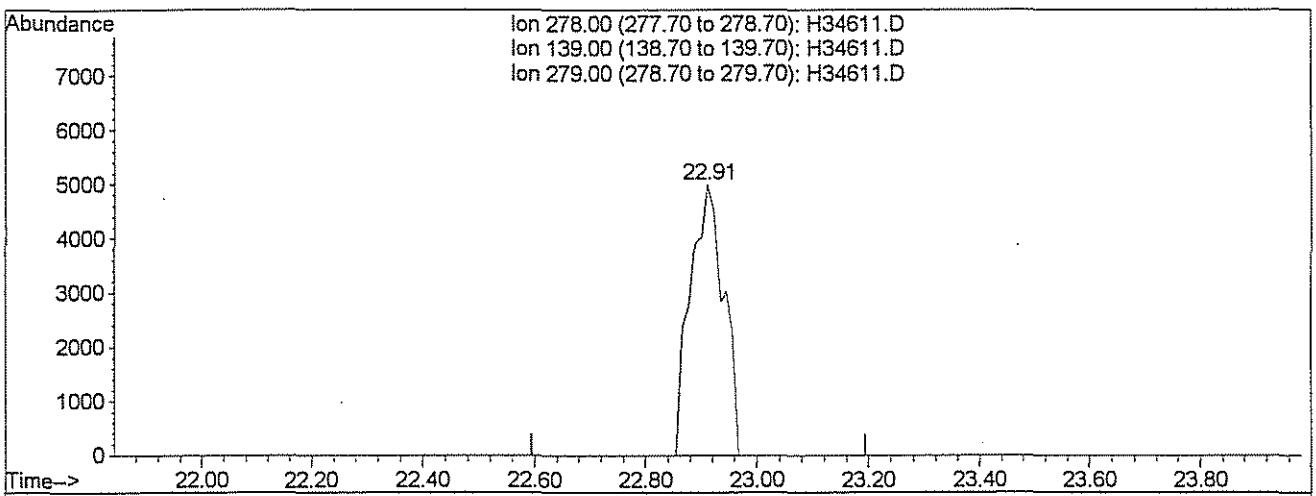
JI
9/5/06

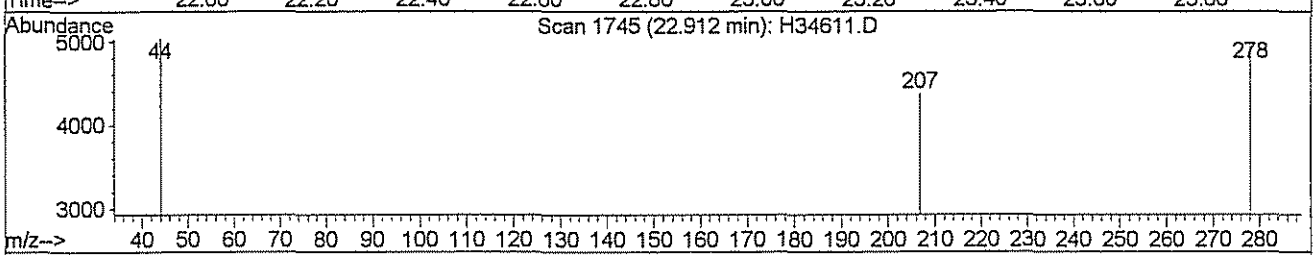
H34611.D LOPAH.M Tue Sep 05 06:52:56 2006 A

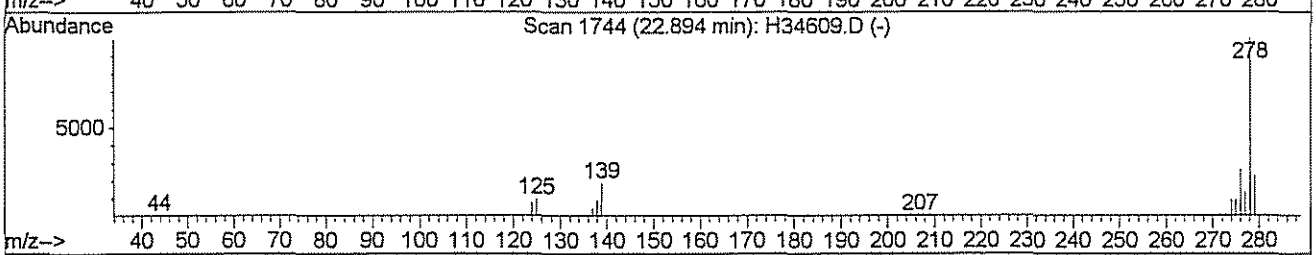
Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34611.D Vial: 4
Acq On : 4 Sep 2006 10:13 Operator: JI
Sample : SSTD00.2 Inst : GC/MS- H
Misc : SSTD00.2 HP#H JI Multiplr: 1.00
Quant Time: Sep 4 11:12 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration







TIC: H34611.D

(25) Dibenz[a,h]anthracene (T)

22.91min 0.15ug/ml m

response 20793

Ion	Exp%	Act%
278.00	100	100
139.00	18.90	0.00
279.00	23.20	0.00#
0.00	0.00	0.00

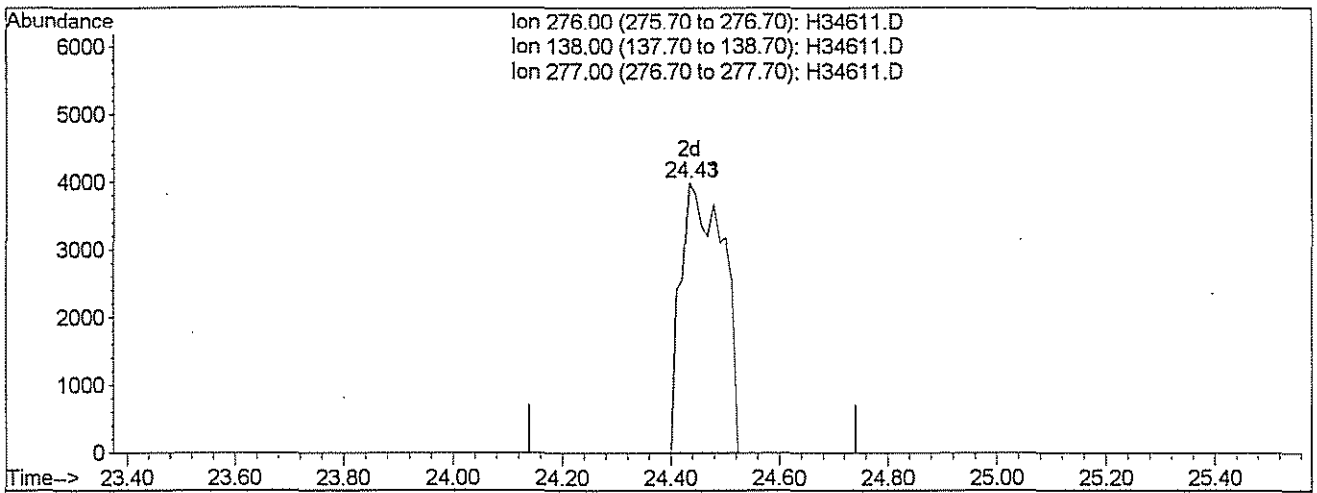
JI
9/5/06

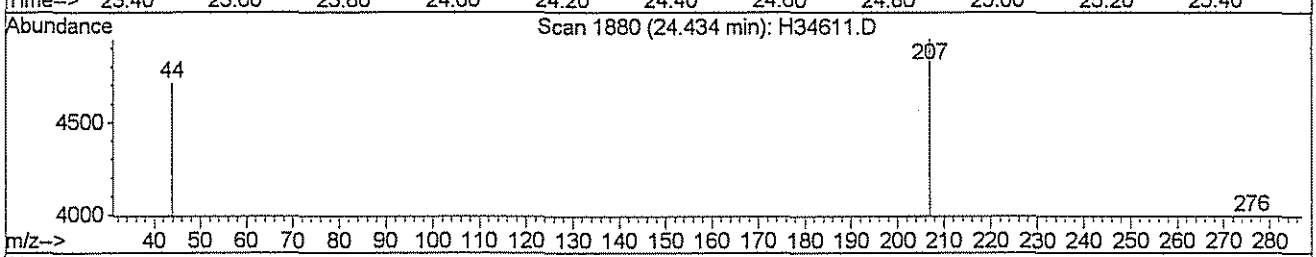
Quantitation Report

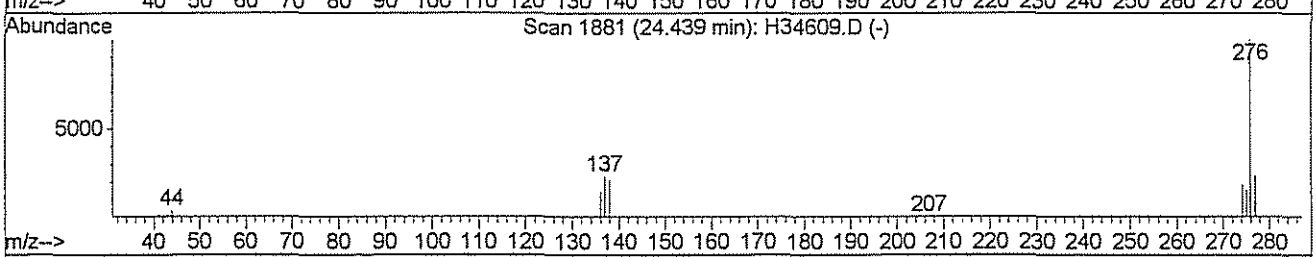
Data File : H:\GCMSDATA\H\090406\H34611.D
Acq On : 4 Sep 2006 10:13
Sample : SSTD00.2
Misc : SSTD00.2 HP#H JI
Quant Time: Sep 4 11:12 2006

Vial: 4
Operator: JI
Inst : GC/MS- H
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration







TIC: H34611.D

(26) Benzo[g,h,i]perylene (T)

24.43min 0.15ug/ml m

response 21577

Ion	Exp%	Act%
276.00	100	100
138.00	21.20	0.00#
277.00	23.60	0.00#
0.00	0.00	0.00

JC
9/5/06

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090406\H34612.D Vial: 5
Acq On : 4 Sep 2006 10:44 Operator: JI
Sample : SSTD00.5 Inst : GC/MS- H
Misc : SSTD00.5 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 11:13 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

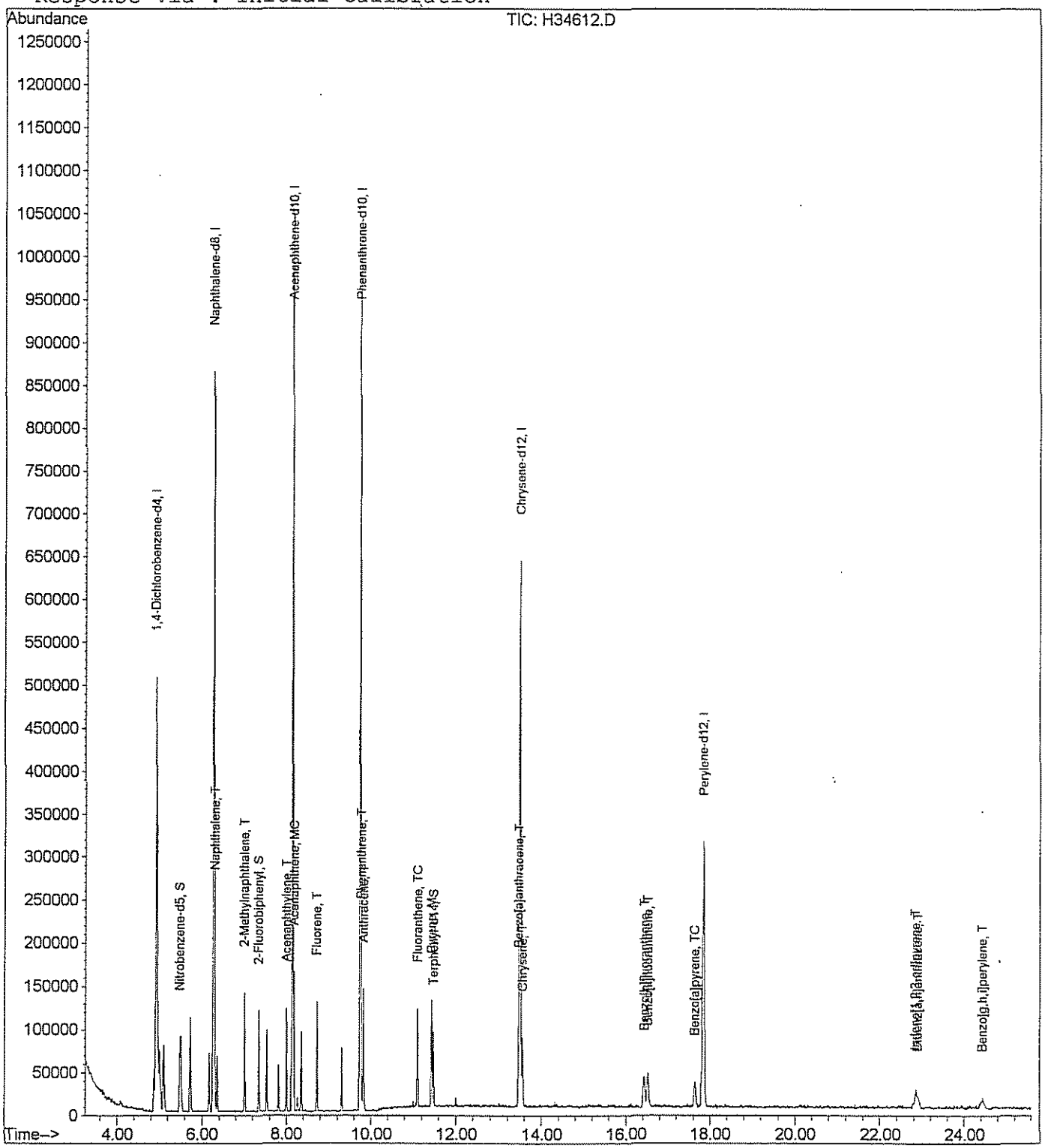
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.91	152	164511	4.00 ug/ml	0.00
2) Naphthalene-d8	6.26	136	673858	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.14	164	360349	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.74	188	643524	4.00 ug/ml	0.00
15) Chrysene-d12	13.50	240	568543	4.00 ug/ml	0.00
20) Perylene-d12	17.84	264	461180	4.00 ug/ml	0.00
System Monitoring Compounds					
3) Nitrobenzene-d5	5.48	82	41507	0.54 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 27.00%		
7) 2-Fluorobiphenyl	7.34	172	57938	0.51 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 25.50%		
17) Terphenyl-d14	11.48	244	61199	0.48 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 24.00%		
Target Compounds					Qvalue
4) Naphthalene	6.29	128	90972	0.50 ug/ml	99
5) 2-Methylnaphthalene	7.00	142	56044	0.52 ug/ml	98
8) Acenaphthylene	7.99	152	80996	0.50 ug/ml	98
9) Acenaphthene	8.17	153	45856	0.48 ug/ml	96
10) Fluorene	8.71	166	53800	0.51 ug/ml	97
12) Phenanthrene	9.76	178	78706	0.47 ug/ml	95
13) Anthracene	9.82	178	83627	0.44 ug/ml	98
14) Fluoranthene	11.11	202	87470	0.47 ug/ml	99
16) Pyrene	11.43	202	92137	0.52 ug/ml	95
18) Benzo[a]anthracene	13.46	228	80223	0.54 ug/ml	96
19) Chrysene	13.55	228	77294	0.44 ug/ml	99
21) Benzo[b]fluoranthene	16.44	252	67237	0.64 ug/ml	95
22) Benzo[k]fluoranthene	16.52	252	74483	0.45 ug/ml	99
23) Benzo[a]pyrene	17.63	252	59493	0.49 ug/ml	92
24) Indeno[1,2,3-cd]pyrene	22.83	276	54941m	0.40 ug/ml	
25) Dibenz[a,h]anthracene	22.89	278	46083m	0.41 ug/ml	
26) Benzo[g,h,i]perylene	24.43	276	45424m	0.40 ug/ml	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34612.D Vial: 5
Acq On : 4 Sep 2006 10:44 Operator: JI
Sample : SSTD00.5 Inst : GC/MS- H
Misc : SSTD00.5 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 11:13 2006 Quant Results File: LOPAH.RES

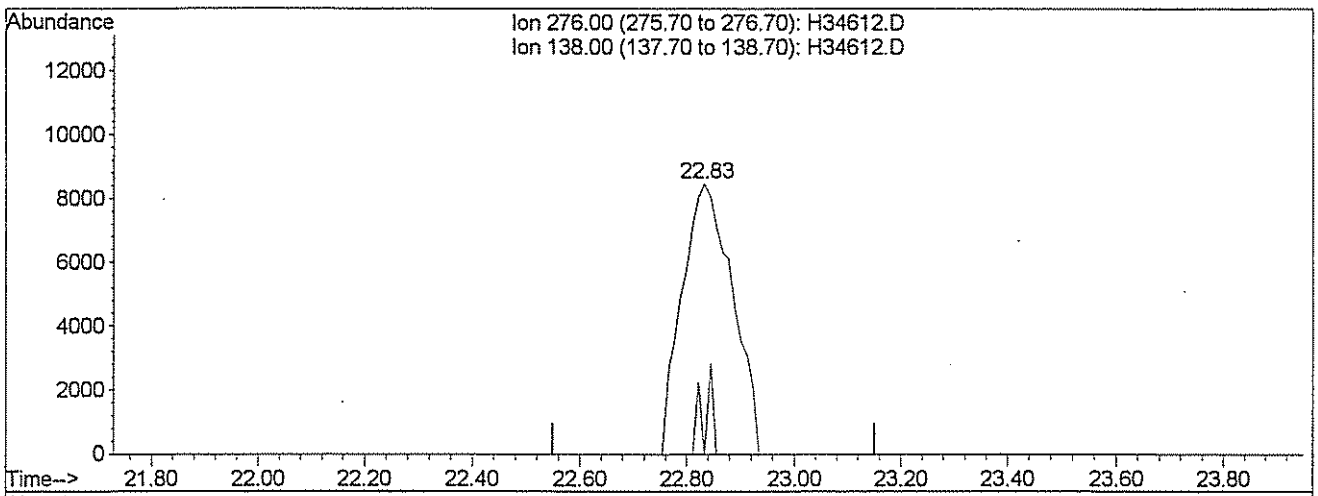
Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration

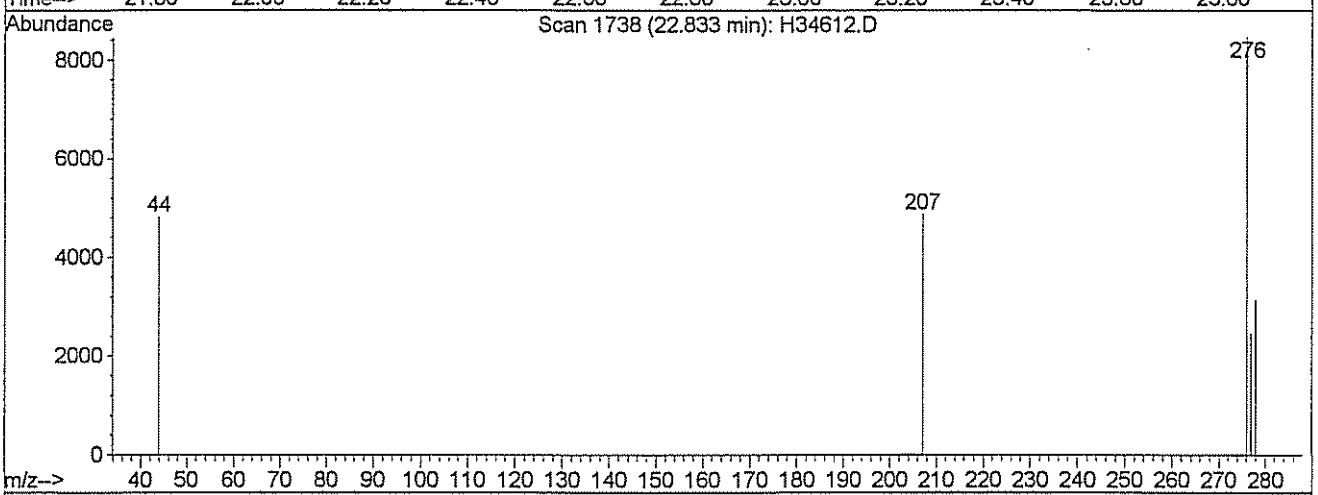


Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34612.D Vial: 5
Acq On : 4 Sep 2006 10:44 Operator: JI
Sample : SSTD00.5 Inst : GC/MS- H
Misc : SSTD00.5 HP#H JI Multiplr: 1.00
Quant Time: Sep 4 11:13 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration





TIC: H34612.D

(24) Indeno[1,2,3-cd]pyrene (T)

22.83min 0.40ug/ml m

response 54941

Ion	Exp%	Act%
276.00	100	100
138.00	26.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

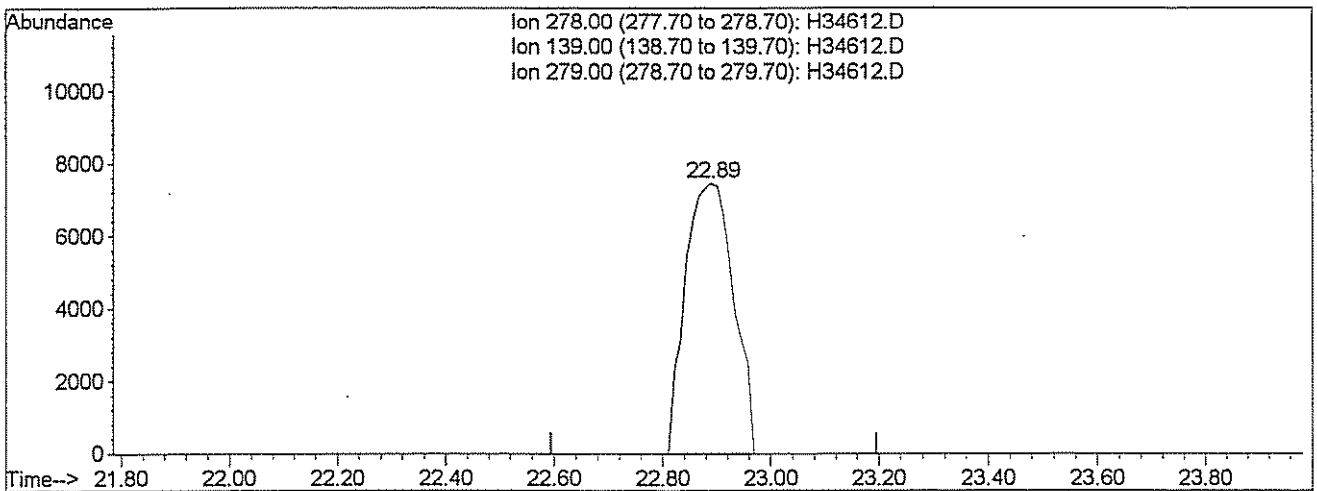
JI
9/5/06

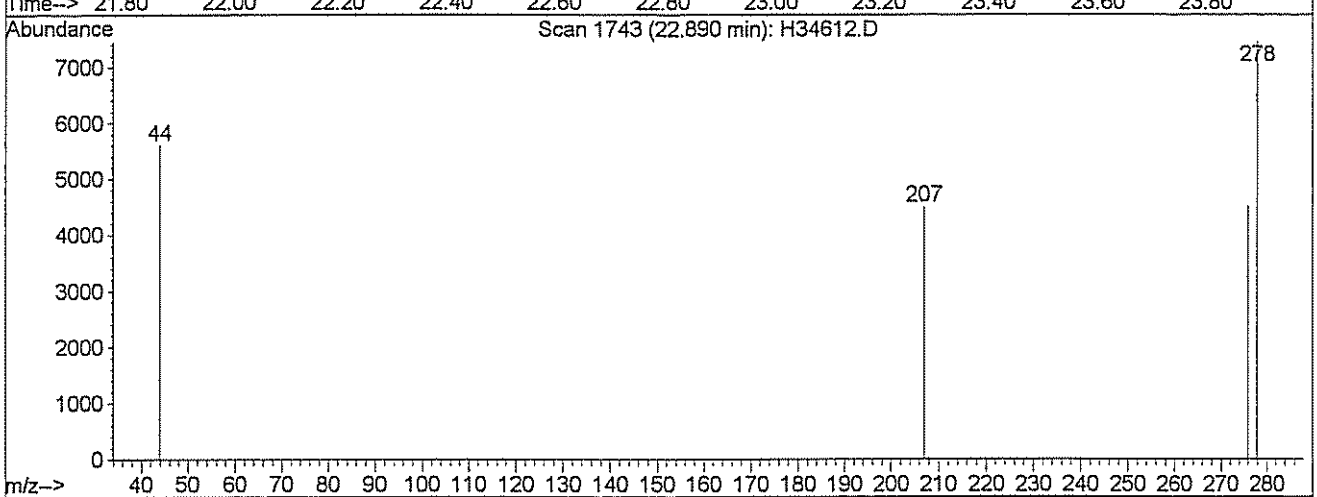
H34612.D LOPAH.M Tue Sep 05 06:53:46 2006 A

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34612.D Vial: 5
Acq On : 4 Sep 2006 10:44 Operator: JI
Sample : SSTD00.5 Inst : GC/MS- H
Misc : SSTD00.5 HP#H JI Multiplr: 1.00
Quant Time: Sep 4 11:13 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration





TIC: H34612.D

(25) Dibenz[a,h]anthracene (T)

22.89min 0.41ug/ml m

response 46083

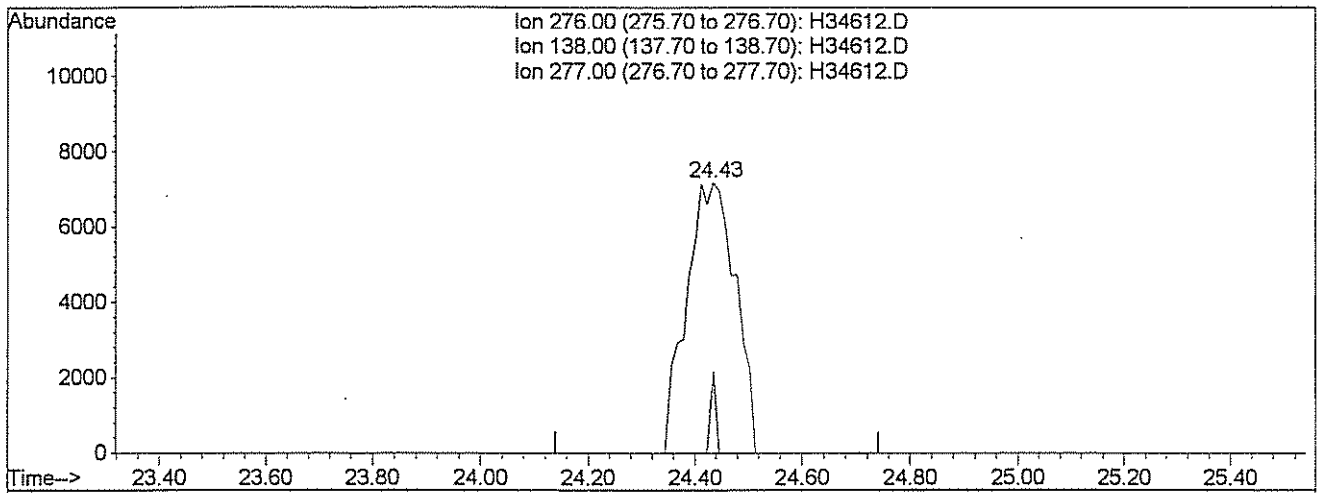
Ion	Exp%	Act%
278.00	100	100
139.00	18.90	0.00
279.00	23.20	0.00#
0.00	0.00	0.00

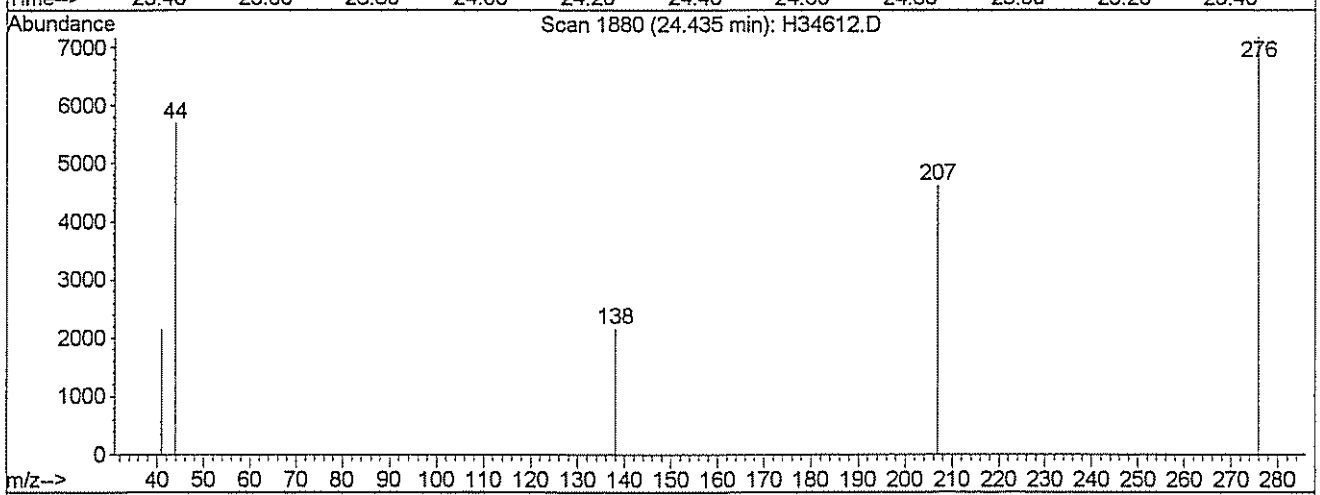
JL
9/5/06

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34612.D Vial: 5
Acq On : 4 Sep 2006 10:44 Operator: JI
Sample : SSTD00.5 Inst : GC/MS- H
Misc : SSTD00.5 HP#H JI Multiplr: 1.00
Quant Time: Sep 4 11:13 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Multiple Level Calibration





TIC: H34612.D

(26) Benzo[g,h,i]perylene (T)

24.43min 0.40ug/ml m

response 45424

Ion	Exp%	Act%
276.00	100	100
138.00	21.20	30.06
277.00	23.60	0.00#
0.00	0.00	0.00

JC
9/5/06

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090406\H34613.D Vial: 6
Acq On : 4 Sep 2006 11:14 Operator: JI
Sample : SSTD001 Inst : GC/MS- H
Misc : SSTD001 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 11:40 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.91	152	164498	4.00	ug/ml	0.00
2) Naphthalene-d8	6.26	136	677589	4.00	ug/ml	0.00
6) Acenaphthene-d10	8.13	164	369065	4.00	ug/ml	0.00
11) Phenanthrene-d10	9.74	188	650660	4.00	ug/ml	0.00
15) Chrysene-d12	13.49	240	598504	4.00	ug/ml	0.00
20) Perylene-d12	17.83	264	487470	4.00	ug/ml	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	5.47	82	96276	1.24	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	62.00%	
7) 2-Fluorobiphenyl	7.33	172	124965	1.07	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	53.50%	
17) Terphenyl-d14	11.47	244	134529	1.00	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	50.00%	

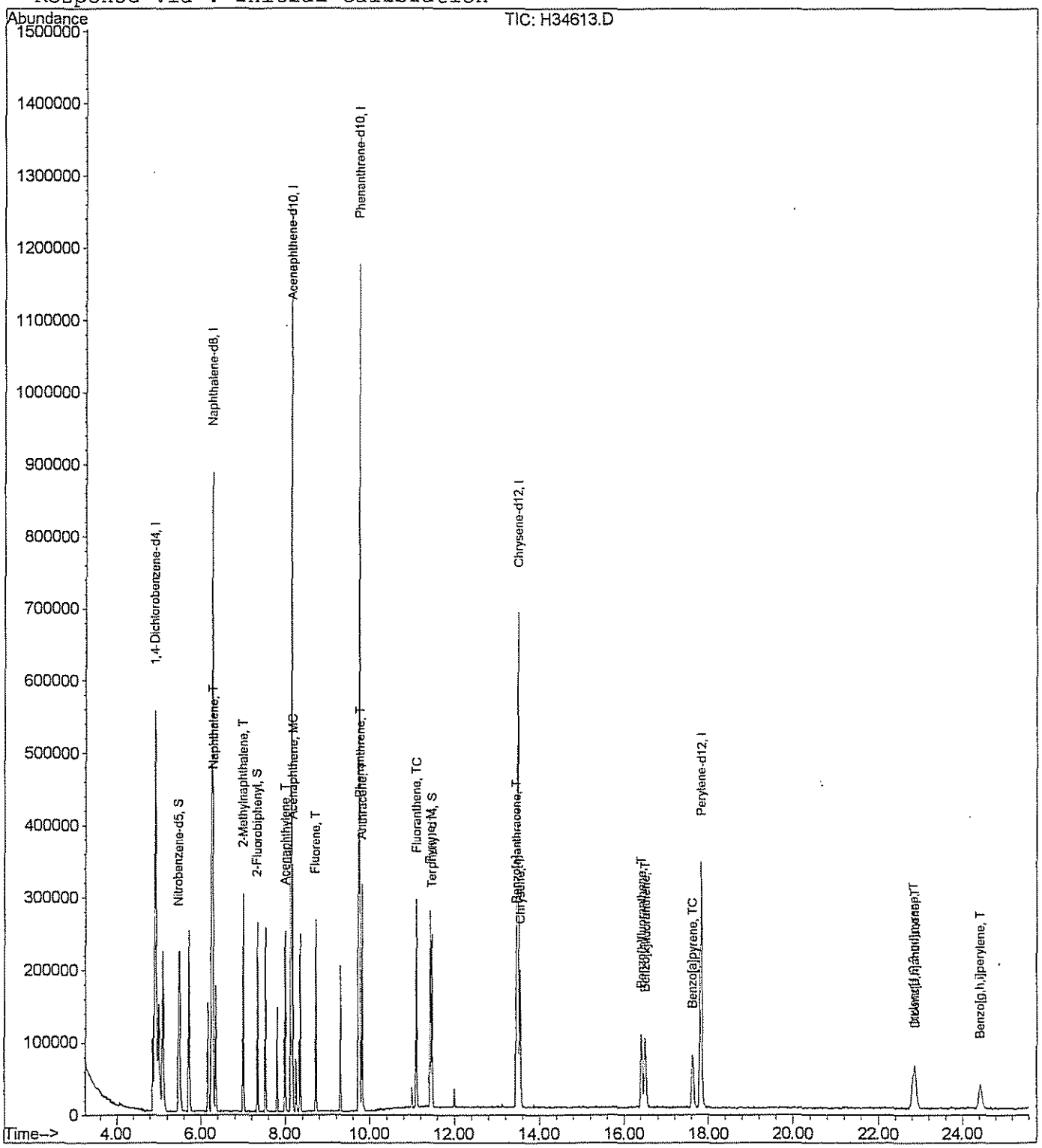
Target Compounds						Qvalue
4) Naphthalene	6.29	128	189154	1.04	ug/ml	99
5) 2-Methylnaphthalene	7.00	142	119493	1.10	ug/ml	99
8) Acenaphthylene	8.00	152	168924	1.02	ug/ml	98
9) Acenaphthene	8.17	153	98789	1.00	ug/ml	98
10) Fluorene	8.71	166	115344	1.07	ug/ml	98
12) Phenanthrene	9.76	178	163644	0.96	ug/ml	97
13) Anthracene	9.81	178	179756	0.93	ug/ml	96
14) Fluoranthene	11.10	202	189281	1.01	ug/ml	96
16) Pyrene	11.43	202	194287	1.04	ug/ml	93
18) Benzo[a]anthracene	13.46	228	179026	1.14	ug/ml	97
19) Chrysene	13.55	228	165220	0.90	ug/ml	97
21) Benzo[b]fluoranthene	16.42	252	152845	1.38	ug/ml	96
22) Benzo[k]fluoranthene	16.51	252	155681	0.89	ug/ml	98
23) Benzo[a]pyrene	17.63	252	137211	1.06	ug/ml	96
24) Indeno[1,2,3-cd]pyrene	22.84	276	129625	0.90	ug/ml	95
25) Dibenz[a,h]anthracene	22.87	278	105739	0.89	ug/ml	99
26) Benzo[g,h,i]perylene	24.42	276	106104	0.88	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34613.D Vial: 6
Acq On : 4 Sep 2006 11:14 Operator: JI
Sample : SSTD001 Inst : GC/MS- H
Misc : SSTD001 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 11:40 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090406\H34614.D Vial: 7
Acq On : 4 Sep 2006 11:45 Operator: JI
Sample : SSTD005 Inst : GC/MS- H
Misc : SSTD005 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 12:11 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.91	152	171115	4.00	ug/ml	0.00
2) Naphthalene-d8	6.25	136	716748	4.00	ug/ml	0.00
6) Acenaphthene-d10	8.14	164	380569	4.00	ug/ml	0.00
11) Phenanthrene-d10	9.74	188	675797	4.00	ug/ml	0.00
15) Chrysene-d12	13.49	240	613964	4.00	ug/ml	0.00
20) Perylene-d12	17.84	264	481076	4.00	ug/ml	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	5.48	82	508485	6.18	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	309.00%#	
7) 2-Fluorobiphenyl	7.34	172	618546	5.12	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	256.00%#	
17) Terphenyl-d14	11.48	244	669605	4.84	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	242.00%#	
Target Compounds						Qvalue
4) Naphthalene	6.29	128	976270	5.09	ug/ml	99
5) 2-Methylnaphthalene	7.00	142	615345	5.35	ug/ml	99
8) Acenaphthylene	7.99	152	865486	5.07	ug/ml	98
9) Acenaphthene	8.17	153	516748	5.08	ug/ml	98
10) Fluorene	8.71	166	606250	5.46	ug/ml	98
12) Phenanthrene	9.76	178	846332	4.78	ug/ml	99
13) Anthracene	9.82	178	894959	4.43	ug/ml	99
14) Fluoranthene	11.10	202	942388	4.84	ug/ml	98
16) Pyrene	11.43	202	983102	5.12	ug/ml	95
18) Benzo[a]anthracene	13.46	228	854085	5.32	ug/ml	99
19) Chrysene	13.55	228	826756	4.37	ug/ml	99
21) Benzo[b]fluoranthene	16.44	252	792380	7.26	ug/ml	95
22) Benzo[k]fluoranthene	16.53	252	775364	4.49	ug/ml	98
23) Benzo[a]pyrene	17.64	252	685815	5.37	ug/ml	98
24) Indeno[1,2,3-cd]pyrene	22.87	276	691897	4.87	ug/ml	93
25) Dibenz[a,h]anthracene	22.90	278	570344	4.88	ug/ml	99
26) Benzo[g,h,i]perylene	24.44	276	559789	4.72	ug/ml	95

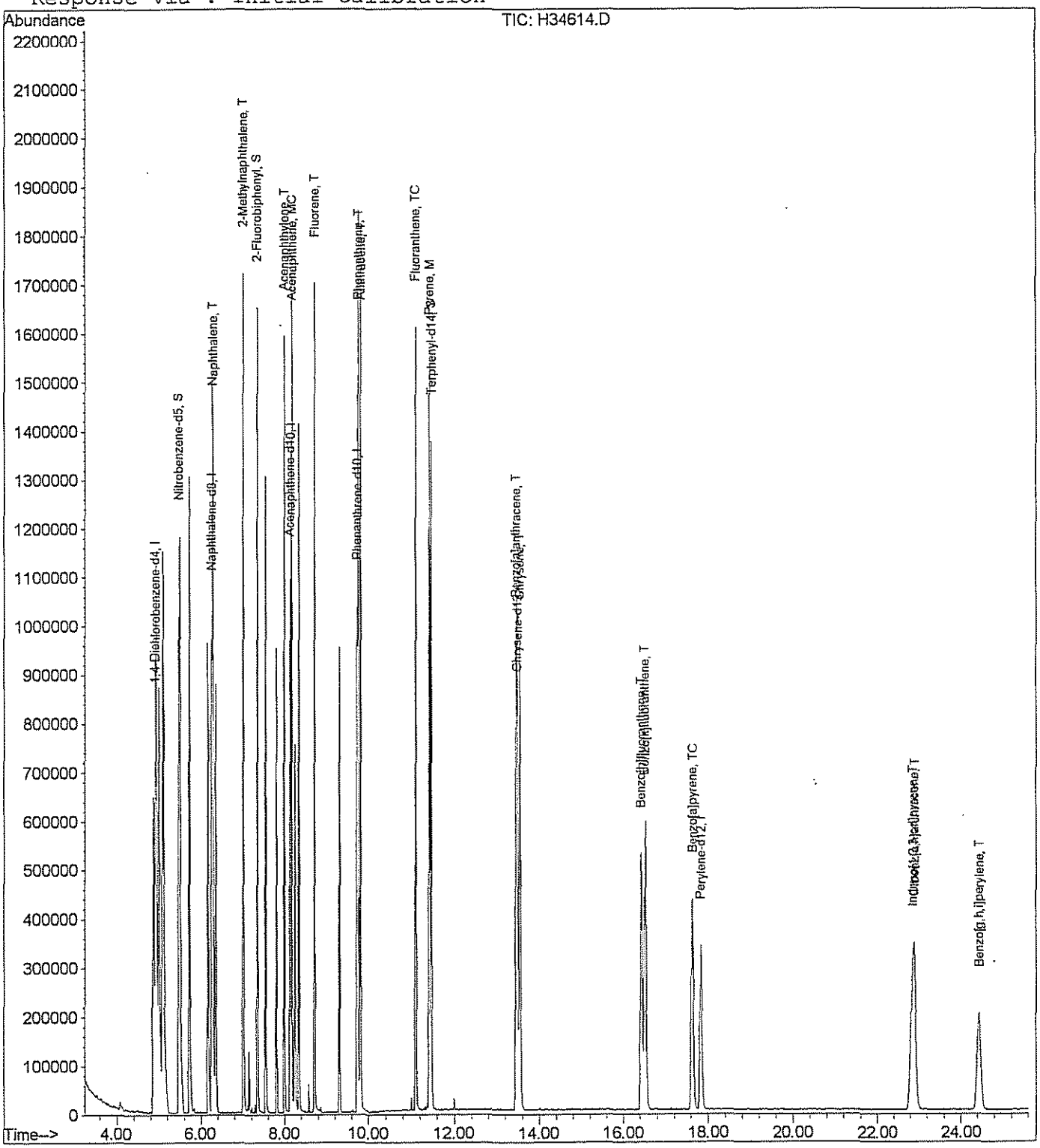
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34614.D
Acq On : 4 Sep 2006 11:45
Sample : SSTD005
Misc : SSTD005 HP#H JI
MS Integration Params: rteint.p
Quant Time: Sep 4 12:11 2006

Vial: 7
Operator: JI
Inst : GC/MS- H
Multiplr: 1.00
Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090406\H34615.D Vial: 8
Acq On : 4 Sep 2006 12:16 Operator: JI
Sample : SSTD010 Inst : GC/MS- H
Misc : SSTD010 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 4 12:41 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.91	152	183968	4.00	ug/ml	0.00
2) Naphthalene-d8	6.26	136	759060	4.00	ug/ml	0.00
6) Acenaphthene-d10	8.13	164	407350	4.00	ug/ml	0.00
11) Phenanthrene-d10	9.74	188	708498	4.00	ug/ml	0.00
15) Chrysene-d12	13.50	240	625231	4.00	ug/ml	0.00
20) Perylene-d12	17.84	264	463312	4.00	ug/ml	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	5.48	82	1108223	12.72	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 636.00%#			
7) 2-Fluorobiphenyl	7.34	172	1313860	10.16	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 508.00%#			
17) Terphenyl-d14	11.48	244	1377851	9.77	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 488.50%#			
Target Compounds						Qvalue
4) Naphthalene	6.29	128	2097767	10.33	ug/ml	99
5) 2-Methylnaphthalene	7.00	142	1326467	10.88	ug/ml	98
8) Acenaphthylene	7.99	152	1854693	10.15	ug/ml	99
9) Acenaphthene	8.17	153	1133984	10.41	ug/ml	98
10) Fluorene	8.71	166	1284786	10.81	ug/ml	98
12) Phenanthrene	9.76	178	1763214	9.50	ug/ml	99
13) Anthracene	9.82	178	1826211	8.63	ug/ml	99
14) Fluoranthene	11.10	202	1973230	9.67	ug/ml	93
16) Pyrene	11.43	202	2037546	10.42	ug/ml	92
18) Benzo[a]anthracene	13.47	228	1786267	10.92	ug/ml	98
19) Chrysene	13.56	228	1651643	8.57	ug/ml	99
21) Benzo[b]fluoranthene	16.45	252	1620843	15.42	ug/ml	98
22) Benzo[k]fluoranthene	16.54	252	1567817	9.42	ug/ml	97
23) Benzo[a]pyrene	17.66	252	1398394	11.37	ug/ml	98
24) Indeno[1,2,3-cd]pyrene	22.89	276	1360876	9.94	ug/ml	98
25) Dibenz[a,h]anthracene	22.95	278	1136197	10.10	ug/ml	99
26) Benzo[g,h,i]perylene	24.48	276	1101362	9.64	ug/ml	95

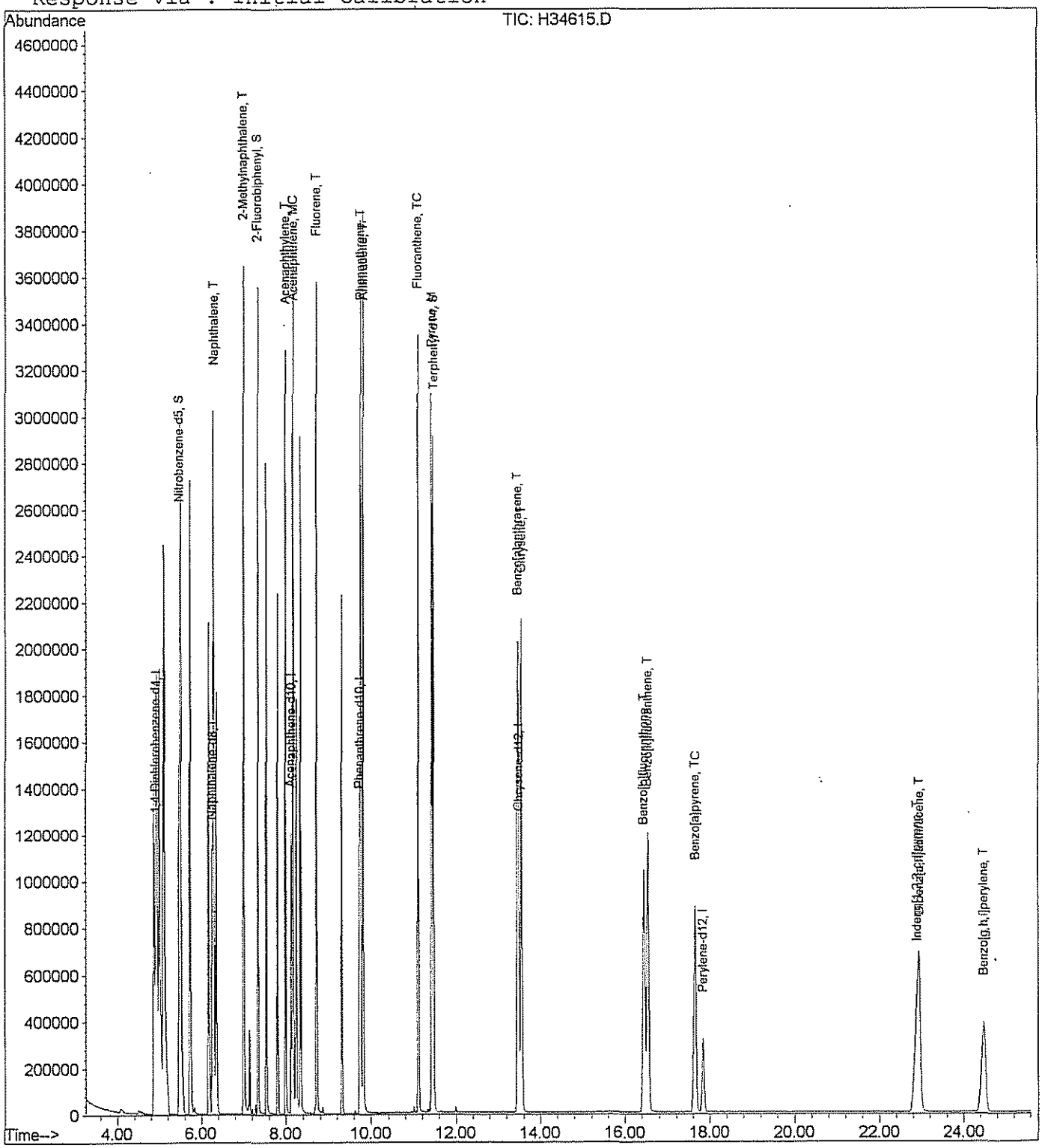
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090406\H34615.D
Acq On : 4 Sep 2006 12:16
Sample : SSTD010
Misc : SSTD010 HP#H JI
MS Integration Params: rteint.p
Quant Time: Sep 4 12:41 2006

Vial: 8
Operator: JI
Inst : GC/MS- H
Multiplr: 1.00
Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Sep 04 09:42:53 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : H:\GCMSDATA\H\090606\H34643.D Vial: 2
Acq On : 6 Sep 2006 7:57 Operator: JI
Sample : SSTD02.5 Inst : GC/MS- H
Misc : SSTD02.5 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Sep 05 07:27:36 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	-0.02
2	I	Naphthalene-d8	1.000	1.000	0.0	129	-0.02
3	S	Nitrobenzene-d5	0.554	0.528	4.7	124	-0.02
4	T	Naphthalene	1.091	1.000	8.3	130	-0.02
5	T	2-Methylnaphthalene	0.685	0.642	6.3	130	-0.02
6	I	Acenaphthene-d10	1.000	1.000	0.0	123	-0.03
7	S	2-Fluorobiphenyl	1.304	1.177	9.7	122	-0.02
8	T	Acenaphthylene	1.792	1.645	8.2	125	-0.02
9	MC	Acenaphthene	1.055	0.992	6.0	126	-0.03
10	T	Fluorene	1.248	1.148	8.0	125	-0.02
11	I	Phenanthrene-d10	1.000	1.000	0.0	121	-0.03
12	T	Phenanthrene	1.011	0.946	6.4	124	-0.03
13	T	Anthracene	1.046	0.958	8.4	116	-0.03
14	TC	Fluoranthene	1.114	1.027	7.8	121	-0.03
15	I	Chrysene-d12	1.000	1.000	0.0	122	-0.07
16	M	Pyrene	1.293	1.154	10.8	119	-0.03
17	S	Terphenyl-d14	0.877	0.791	9.8	117	-0.04
18	T	Benzo[a]anthracene	1.126	1.030	8.5	123	-0.07
19	T	Chrysene	1.076	0.942	12.5	119	-0.05
20	I	Perylene-d12	1.000	1.000	0.0	133	-0.11
21	T	Benzo[b]fluoranthene	1.308	1.160	11.3	128	-0.10
22	T	Benzo[k]fluoranthene	1.282	1.140	11.1	135	-0.10
23	TC	Benzo[a]pyrene	1.122	1.033	7.9	134	-0.10
24	T	Indeno[1,2,3-cd]pyrene	1.058	1.167	-10.3	156#	-0.17
25	T	Dibenz[a,h]anthracene	0.872	0.940	-7.8	156#	-0.18
26	T	Benzo[g,h,i]perylene	0.865	1.004	-16.1	166#	-0.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34643.D Vial: 2
Acq On : 6 Sep 2006 7:57 Operator: JI
Sample : SSTD02.5 Inst : GC/MS- H
Misc : SSTD02.5 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 8:23 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Sep 05 07:27:41 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.89	152	175651	4.00 ug/ml	-0.02
2) Naphthalene-d8	6.23	136	711143	4.00 ug/ml	-0.02
6) Acenaphthene-d10	8.10	164	388204	4.00 ug/ml	-0.03
11) Phenanthrene-d10	9.70	188	667742	4.00 ug/ml	-0.03
15) Chrysene-d12	13.42	240	603296	4.00 ug/ml	-0.07
20) Perylene-d12	17.73	264	520369	4.00 ug/ml	-0.11
System Monitoring Compounds					
3) Nitrobenzene-d5	5.45	82	234456	2.38 ug/ml	-0.02
Spiked Amount 2.000	Range 20 - 138		Recovery	= 119.00%	
7) 2-Fluorobiphenyl	7.31	172	285569	2.26 ug/ml	-0.02
Spiked Amount 2.000	Range 20 - 138		Recovery	= 113.00%	
17) Terphenyl-d14	11.43	244	298222	2.25 ug/ml	-0.04
Spiked Amount 2.000	Range 20 - 138		Recovery	= 112.50%	

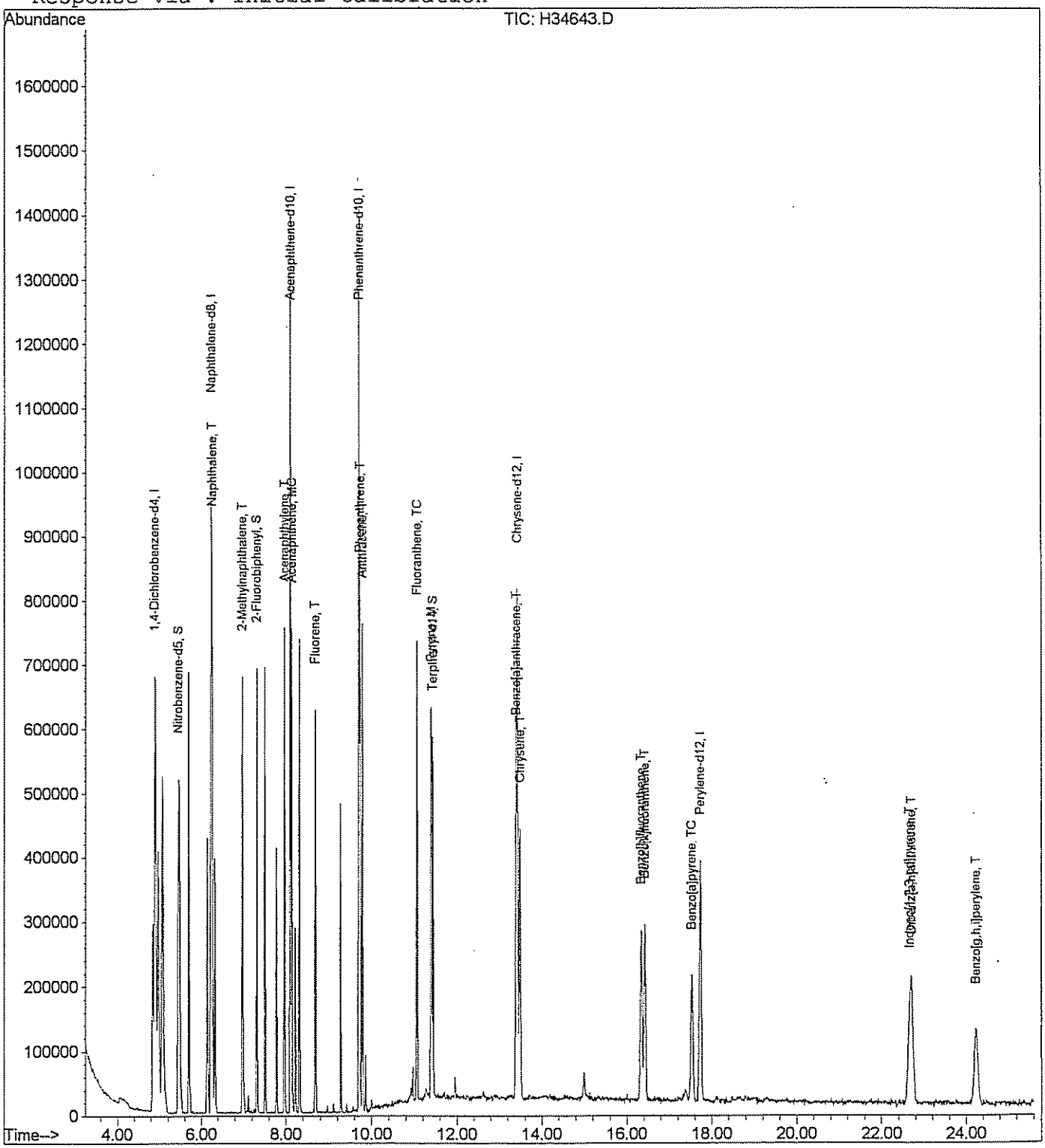
Target Compounds					Qvalue
4) Naphthalene	6.25	128	444609	2.29 ug/ml	99
5) 2-Methylnaphthalene	6.97	142	285137	2.34 ug/ml	100
8) Acenaphthylene	7.97	152	399141	2.29 ug/ml	98
9) Acenaphthene	8.14	153	240636	2.35 ug/ml	98
10) Fluorene	8.69	166	278553	2.30 ug/ml	98
12) Phenanthrene	9.73	178	394732	2.34 ug/ml	99
13) Anthracene	9.78	178	399665	2.29 ug/ml	100
14) Fluoranthene	11.07	202	428594	2.31 ug/ml	93
16) Pyrene	11.39	202	435070	2.23 ug/ml	92
18) Benzo[a]anthracene	13.40	228	388451	2.29 ug/ml	98
19) Chrysene	13.49	228	355190	2.19 ug/ml	99
21) Benzo[b]fluoranthene	16.33	252	377370	2.22 ug/ml	95
22) Benzo[k]fluoranthene	16.42	252	370719	2.22 ug/ml	98
23) Benzo[a]pyrene	17.53	252	336071	2.30 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	22.66	276	379547	2.76 ug/ml	66
25) Dibenz[a,h]anthracene	22.71	278	305782	2.69 ug/ml	96
26) Benzo[g,h,i]perylene	24.24	276	326509	2.90 ug/ml	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34643.D Vial: 2
Acq On : 6 Sep 2006 7:57 Operator: JI
Sample : SSTD02.5 Inst : GC/MS- H
Misc : SSTD02.5 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 8:23 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Sep 05 07:27:41 2006
Response via : Initial Calibration



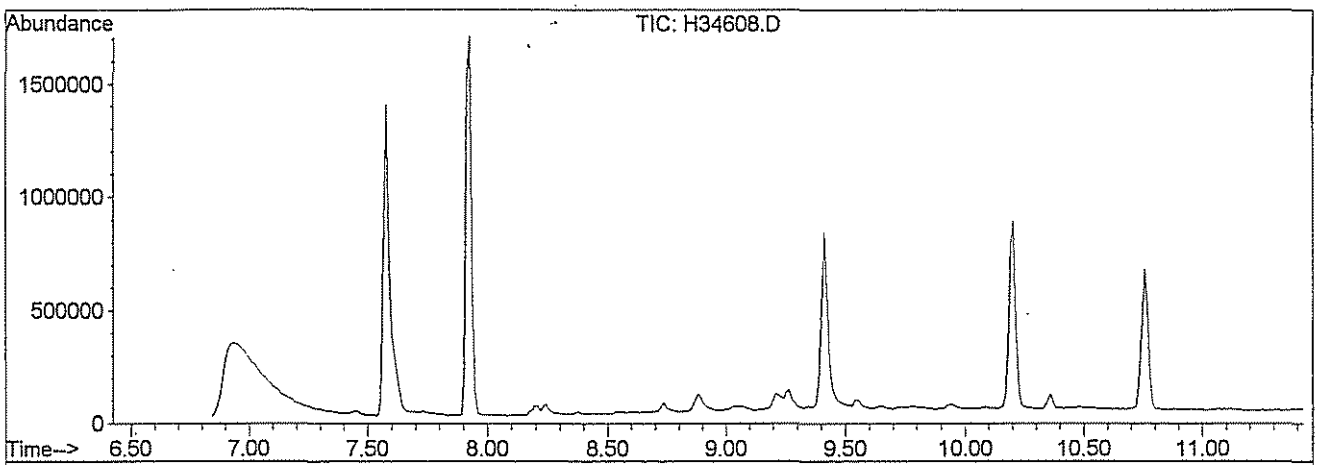
D. Raw QC Data

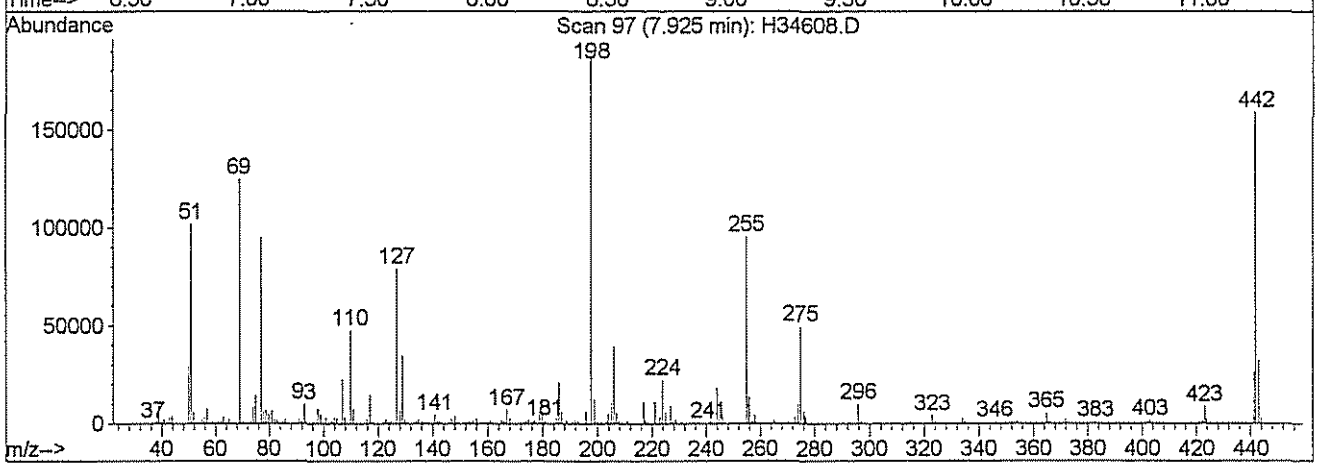
1. DFTPP
2. Blank Data
3. Matrix Spike Data
4. Matrix Spike Duplicate Data
5. Laboratory Control Standard Data (where applicable)
6. GPC Data (where applicable)
7. Extraction Logsheet
8. Injection Logsheet
9. Control Charts (where applicable)

GPL Laboratories

DFTPP

Data File : H:\GCMSDATA\H\090406\H34608.D Vial: 1
Acq On : 4 Sep 2006 8:47 Operator: JI
Sample : DFTPP050 Inst : GC/MS- H
Misc : DFTPP050 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration





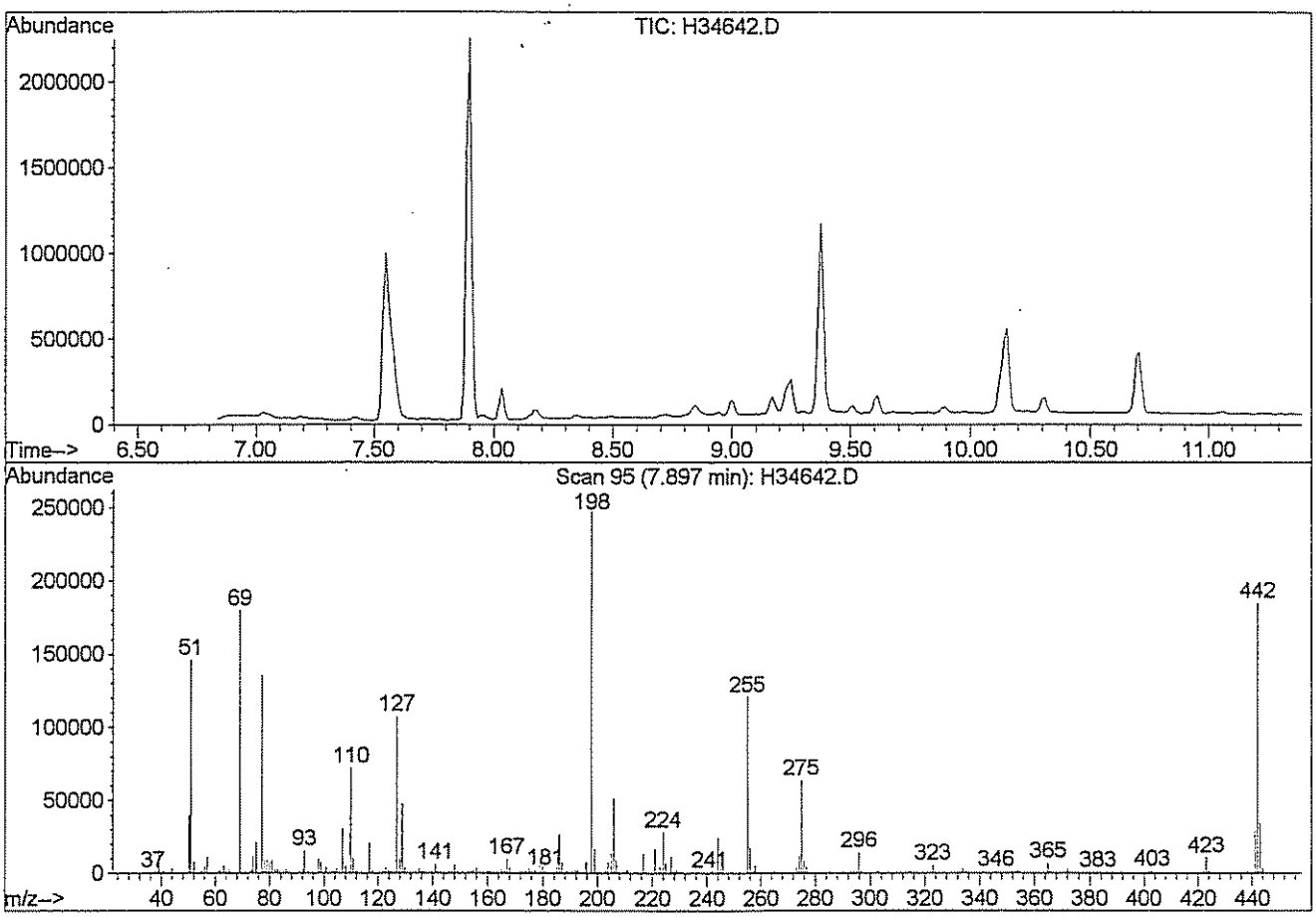
Spectrum Information: Scan 97

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	101992	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	66.6	124952	PASS
70	69	0.00	2	0.8	1010	PASS
127	198	40	60	42.3	79360	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	187520	PASS
199	198	5	9	6.7	12531	PASS
275	198	10	30	26.5	49632	PASS
365	198	1	100	2.9	5456	PASS
441	443	0.01	100	80.6	26072	PASS
442	198	40	100	84.8	159040	PASS
443	442	17	23	20.3	32352	PASS

H34608.D LOPAH.M Tue Sep 05 07:41:08 2006 A

DFTPP

Data File : H:\GCMSDATA\H\090606\H34642.D Vial: 1
Acq On : 6 Sep 2006 7:41 Operator: JI
Sample : DFTPP050 Inst : GC/MS- H
Misc : DFTPP050 HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration



Spectrum Information: Scan 95

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	58.3	145984	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	71.9	179968	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.9	107440	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	250240	PASS
199	198	5	9	6.7	16664	PASS
275	198	10	30	25.5	63784	PASS
365	198	1	100	2.7	6720	PASS
441	443	0.01	100	84.8	29296	PASS
442	198	40	100	73.9	184960	PASS
443	442	17	23	18.7	34536	PASS

H34642.D LOPAH.M Wed Sep 06 07:54:17 2006 A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK83474

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK83474
Sample Volume :	30	Lab File ID :	H34649.D
% Moisture:		Date Received	
Extraction:	SW3540C	Date Extracted:	08/30/2006
Extract Volume:	1 mL	Date Analyzed	09/06/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	6.7	U
83-32-9	Acenaphthene	6.7	U
208-96-8	Acenaphthylene	6.7	U
120-12-7	Anthracene	6.7	U
56-55-3	Benzo(a)anthracene	6.7	U
50-32-8	Benzo(a)pyrene	6.7	U
205-99-2	Benzo(b)fluoranthene	6.7	U
191-24-2	Benzo(g,h,i)perylene	6.7	U
207-08-9	Benzo(k)fluoranthene	6.7	U
218-01-9	Chrysene	6.7	U
53-70-3	Dibenz(a,h)Anthracene	6.7	U
206-44-0	Fluoranthene	6.7	U
86-73-7	Fluorene	6.7	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	6.7	U
91-20-3	Naphthalene	6.7	U
85-01-8	Phenanthrene	6.7	U
129-00-0	Pyrene	6.7	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34649.D Vial: 8
Acq On : 6 Sep 2006 11:02 Operator: JI
Sample : BLK83459\83474 Inst : GC/MS- H
Misc : BLK83459\83474 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 11:28 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.88	152	205970	4.00 ug/ml	-0.01
2) Naphthalene-d8	6.23	136	829664	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.10	164	439366	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.70	188	753355	4.00 ug/ml	0.00
15) Chrysene-d12	13.43	240	680622	4.00 ug/ml	0.00
20) Perylene-d12	17.71	264	584859	4.00 ug/ml	-0.02

System Monitoring Compounds

3) Nitrobenzene-d5	5.44	82	174146	1.52 ug/ml	-0.01
Spiked Amount 2.000	Range 29 - 140		Recovery = 76.00%		
7) 2-Fluorobiphenyl	7.30	172	200475	1.40 ug/ml	-0.01
Spiked Amount 2.000	Range 31 - 125		Recovery = 70.00%		
17) Terphenyl-d14	11.43	244	241540	1.62 ug/ml	0.00
Spiked Amount 2.000	Range 26 - 160		Recovery = 81.00%		

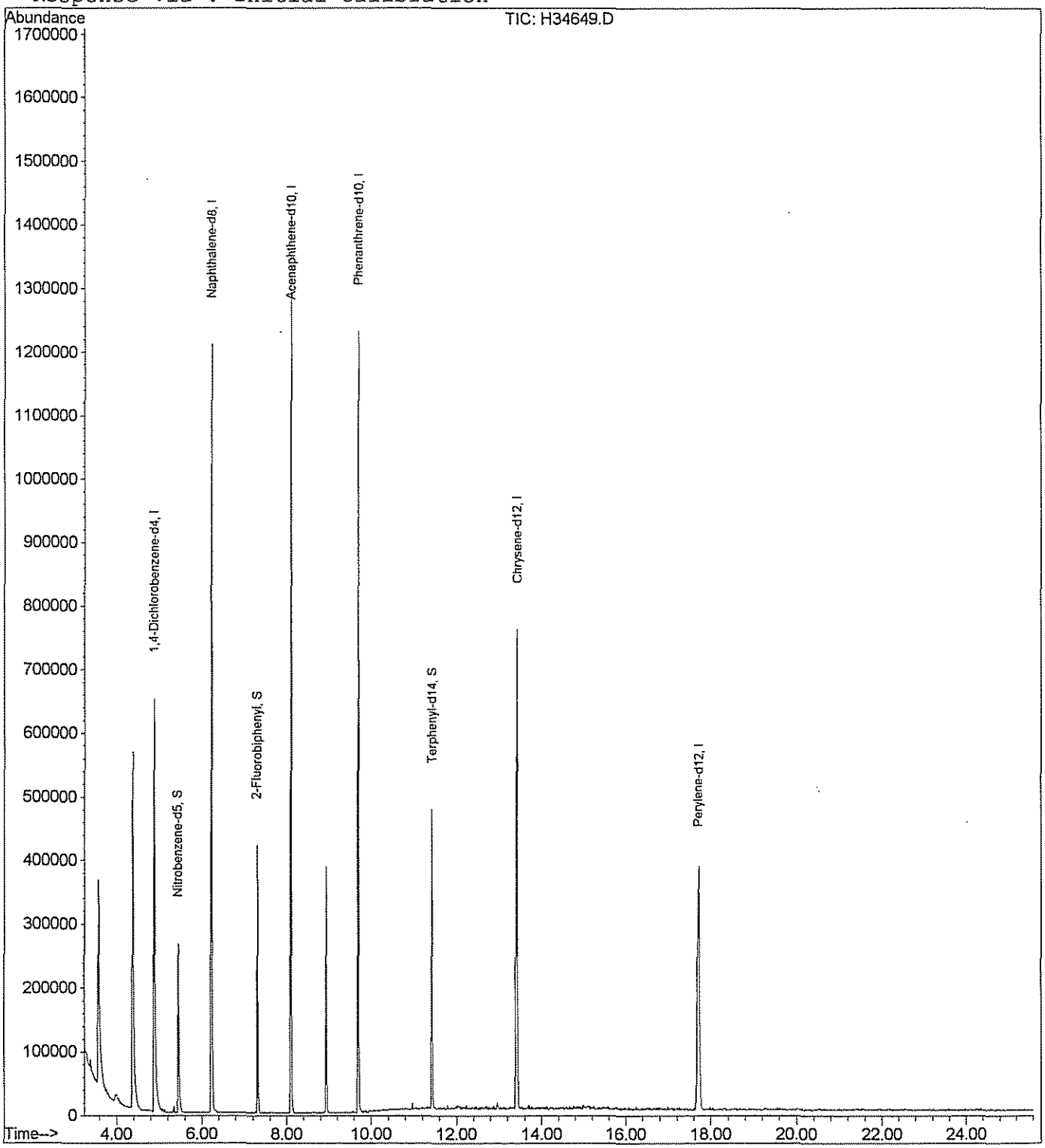
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34649.D Vial: 8
Acq On : 6 Sep 2006 11:02 Operator: JI
Sample : BLK83459\83474 Inst : GC/MS- H
Misc : BLK83459\83474 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 6 11:28 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0021MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-005-011-1/6MS
Sample Volume :	30.03	Lab File ID :	H34661.D
% Moisture:	8.74	Date Received	08/26/2006
Extraction:	SW3540C	Date Extracted:	08/30/2006
Extract Volume:	1 mL	Date Analyzed	09/06/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	160	
83-32-9	Acenaphthene	140	
208-96-8	Acenaphthylene	130	
120-12-7	Anthracene	130	
56-55-3	Benzo(a)anthracene	150	
50-32-8	Benzo(a)pyrene	140	
205-99-2	Benzo(b)fluoranthene	140	
191-24-2	Benzo(g,h,i)perylene	160	
207-08-9	Benzo(k)fluoranthene	140	
218-01-9	Chrysene	140	
53-70-3	Dibenz(a,h)Anthracene	180	
206-44-0	Fluoranthene	140	
86-73-7	Fluorene	150	
193-39-5	Indeno(1,2,3-c,d)Pyrene	160	
91-20-3	Naphthalene	140	
85-01-8	Phenanthrene	140	
129-00-0	Pyrene	140	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34661.D Vial: 20
Acq On : 6 Sep 2006 17:13 Operator: JI
Sample : 608158-005-011-1/6MS Inst : GC/MS- H
Misc : NWO-017-0021MS SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 10:53 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.88	152	199721	4.00 ug/ml	0.00
2) Naphthalene-d8	6.23	136	815924	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.10	164	452263	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.71	188	793785	4.00 ug/ml	0.00
15) Chrysene-d12	13.45	240	726195	4.00 ug/ml	0.03
20) Perylene-d12	17.78	264	606958	4.00 ug/ml	0.05

System Monitoring Compounds

3) Nitrobenzene-d5	0.00	82	0d	0.00 ug/ml	
Spiked Amount 2.000	Range 29 - 140		Recovery =	0.00%#	
7) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 2.000	Range 31 - 125		Recovery =	0.00%#	
17) Terphenyl-d14	0.00	244	0	0.00 ug/ml	
Spiked Amount 2.000	Range 26 - 160		Recovery =	0.00%#	

Target Compounds

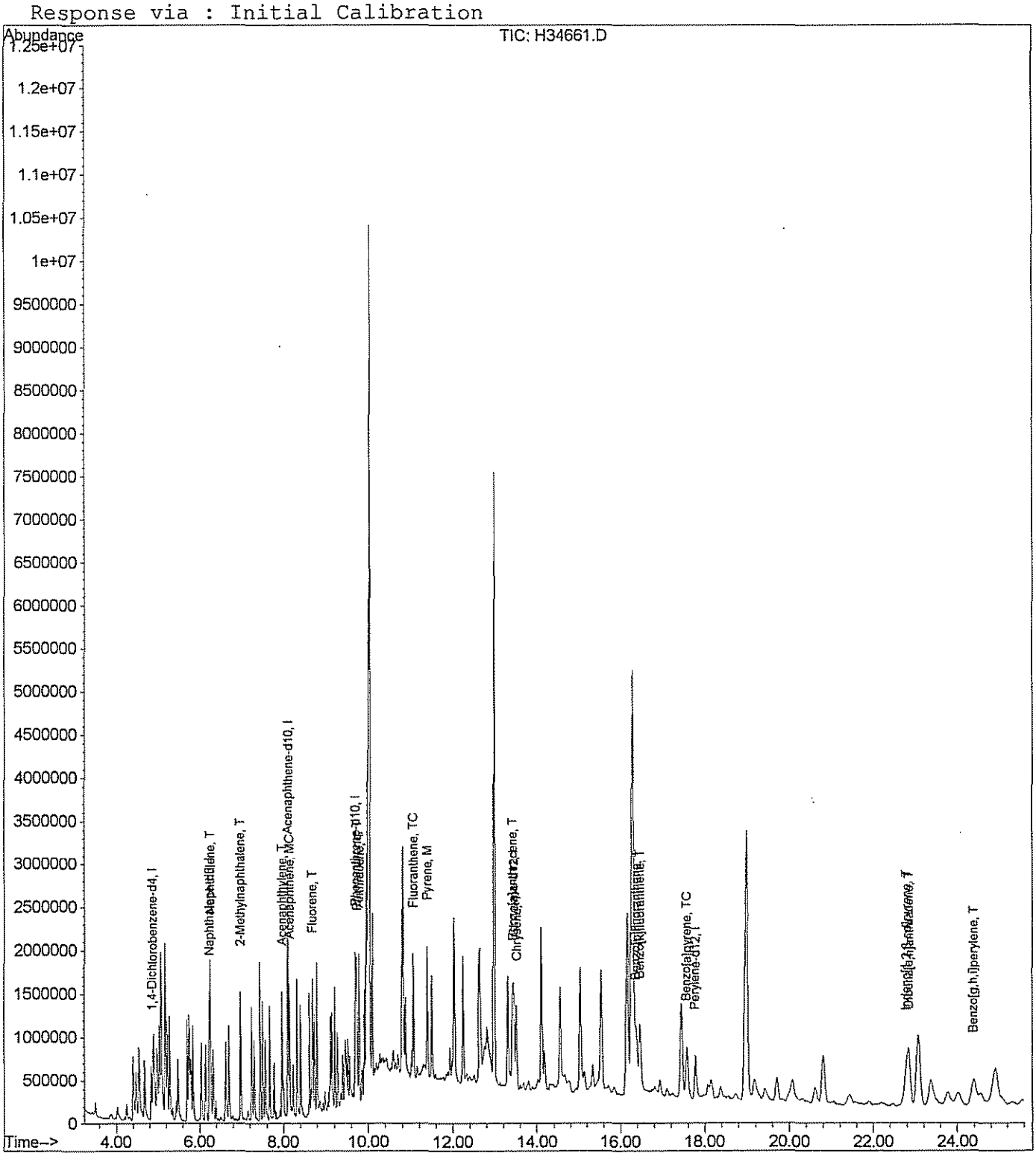
					Qvalue
4) Naphthalene	6.26	128	840040	3.77 ug/ml	82
5) 2-Methylnaphthalene	6.98	142	597905	4.28 ug/ml	97
8) Acenaphthylene	7.97	152	737402	3.64 ug/ml	99
9) Acenaphthene	8.14	153	461008	3.87 ug/ml	98
10) Fluorene	8.69	166	594557	4.21 ug/ml	98
12) Phenanthrene	9.74	178	791401	3.94 ug/ml	98
13) Anthracene	9.80	178	759194	3.66 ug/ml	99
14) Fluoranthene	11.07	202	875436	3.96 ug/ml	90
16) Pyrene	11.40	202	906702	3.86 ug/ml	90
18) Benzo[a]anthracene	13.43	228	820688	4.01 ug/ml	99
19) Chrysene	13.52	228	754123	3.86 ug/ml	98
21) Benzo[b]fluoranthene	16.38	252	775548	3.91 ug/ml	96
22) Benzo[k]fluoranthene	16.47	252	735229	3.78 ug/ml	96
23) Benzo[a]pyrene	17.58	252	654391	3.84 ug/ml	95
24) Indeno[1,2,3-cd]pyrene	22.80	276	714385	4.45 ug/ml	82
25) Dibenz[a,h]anthracene	22.86	278	650128	4.91 ug/ml	99
26) Benzo[g,h,i]perylene	24.39	276	569475	4.34 ug/ml	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34661.D Vial: 20
Acq On : 6 Sep 2006 17:13 Operator: JI
Sample : 608158-005-011-1/6MS Inst : GC/MS- H
Misc : NWO-017-0021MS SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 10:53 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Thu Sep 07 13:31:42 2006
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0021MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-005-011-1/6MSD
Sample Volume :	30	Lab File ID :	H34662.D
% Moisture:	8.74	Date Received	08/26/2006
Extraction:	SW3540C	Date Extracted:	08/30/2006
Extract Volume:	1 mL	Date Analyzed	09/06/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	160	
83-32-9	Acenaphthene	140	
208-96-8	Acenaphthylene	130	
120-12-7	Anthracene	140	
56-55-3	Benzo(a)anthracene	150	
50-32-8	Benzo(a)pyrene	140	
205-99-2	Benzo(b)fluoranthene	150	
191-24-2	Benzo(g,h,i)perylene	150	
207-08-9	Benzo(k)fluoranthene	140	
218-01-9	Chrysene	140	
53-70-3	Dibenz(a,h)Anthracene	180	
206-44-0	Fluoranthene	140	
86-73-7	Fluorene	150	
193-39-5	Indeno(1,2,3-c,d)Pyrene	160	
91-20-3	Naphthalene	140	
85-01-8	Phenanthrene	140	
129-00-0	Pyrene	150	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34662.D Vial: 21
Acq On : 6 Sep 2006 17:44 Operator: JI
Sample : 608158-005-011-1/6MSD Inst : GC/MS- H
Misc : NWO-017-0021MSD SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 10:54 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.88	152	201684	4.00 ug/ml	0.00
2) Naphthalene-d8	6.24	136	829970	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.11	164	468186	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.71	188	804879	4.00 ug/ml	0.00
15) Chrysene-d12	13.46	240	707787	4.00 ug/ml	0.03
20) Perylene-d12	17.79	264	586591	4.00 ug/ml	0.05

System Monitoring Compounds

3) Nitrobenzene-d5	0.00	82	0d	0.00 ug/ml	
Spiked Amount 2.000	Range 29 - 140		Recovery	= 0.00%#	
7) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 2.000	Range 31 - 125		Recovery	= 0.00%#	
17) Terphenyl-d14	0.00	244	0	0.00 ug/ml	
Spiked Amount 2.000	Range 26 - 160		Recovery	= 0.00%#	

Target Compounds

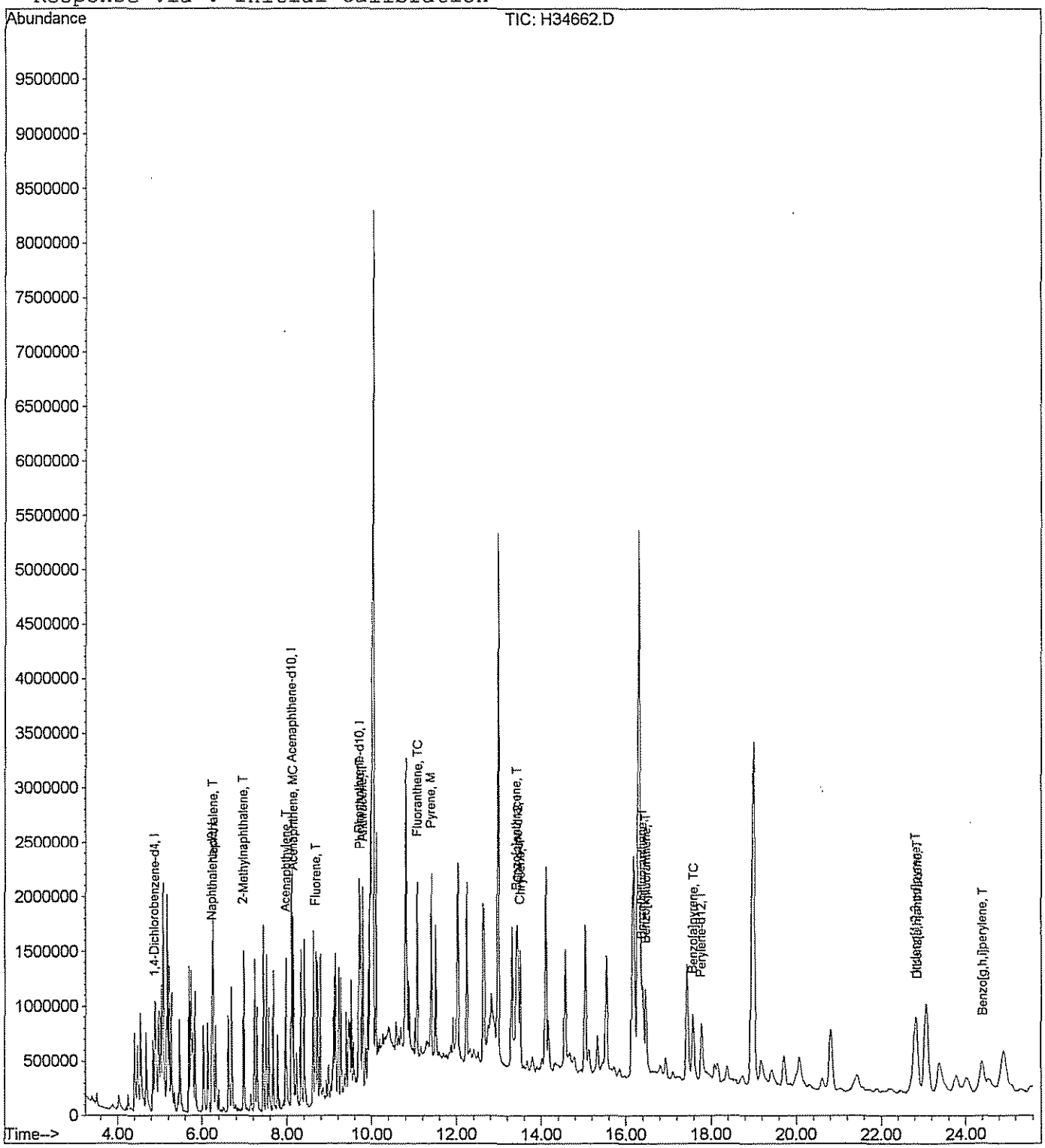
					Qvalue
4) Naphthalene	6.26	128	857219	3.79 ug/ml	85
5) 2-Methylnaphthalene	6.97	142	611846	4.30 ug/ml	97
8) Acenaphthylene	7.97	152	770555	3.67 ug/ml	99
9) Acenaphthene	8.14	153	472560	3.83 ug/ml	99
10) Fluorene	8.68	166	600501	4.11 ug/ml	96
12) Phenanthrene	9.73	178	805510	3.96 ug/ml	99
13) Anthracene	9.79	178	779783	3.70 ug/ml	99
14) Fluoranthene	11.08	202	891313	3.98 ug/ml	93
16) Pyrene	11.40	202	933529	4.08 ug/ml	93
18) Benzo[a]anthracene	13.42	228	828735	4.16 ug/ml	99
19) Chrysene	13.51	228	759662	3.99 ug/ml	99
21) Benzo[b]fluoranthene	16.39	252	767205	4.00 ug/ml	96
22) Benzo[k]fluoranthene	16.48	252	717356	3.81 ug/ml	96
23) Benzo[a]pyrene	17.59	252	633581	3.85 ug/ml	97
24) Indeno[1,2,3-cd]pyrene	22.83	276	687984	4.43 ug/ml	91
25) Dibenz[a,h]anthracene	22.86	278	624080	4.88 ug/ml	98
26) Benzo[g,h,i]perylene	24.41	276	536634	4.23 ug/ml	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34662.D Vial: 21
Acq On : 6 Sep 2006 17:44 Operator: JI
Sample : 608158-005-011-1/6MSD Inst : GC/MS- H
Misc : NWO-017-0021MSD SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 10:54 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Thu Sep 07 13:31:42 2006
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS83474

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BKS83474
Sample Volume :	30	Lab File ID :	H34650.D
% Moisture:		Date Received	
Extraction:	SW3540C	Date Extracted:	08/30/2006
Extract Volume:	1 mL	Date Analyzed	09/06/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	130	
83-32-9	Acenaphthene	120	
208-96-8	Acenaphthylene	110	
120-12-7	Anthracene	120	
56-55-3	Benzo(a)anthracene	130	
50-32-8	Benzo(a)pyrene	130	
205-99-2	Benzo(b)fluoranthene	120	
191-24-2	Benzo(g,h,i)perylene	160	
207-08-9	Benzo(k)fluoranthene	120	
218-01-9	Chrysene	130	
53-70-3	Dibenz(a,h)Anthracene	170	
206-44-0	Fluoranthene	120	
86-73-7	Fluorene	120	
193-39-5	Indeno(1,2,3-c,d)Pyrene	160	
91-20-3	Naphthalene	120	
85-01-8	Phenanthrene	120	
129-00-0	Pyrene	120	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\H\090606\H34650.D Vial: 9
Acq On : 6 Sep 2006 11:33 Operator: JI
Sample : BKS83459\83474 Inst : GC/MS- H
Misc : BKS83459\83474 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 11:26 2006 Quant Results File: LOPAH.RES

Quant Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Wed Sep 06 08:24:04 2006
Response via : Initial Calibration
DataAcq Meth : LOPAH

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.89	152	208114	4.00 ug/ml	0.00
2) Naphthalene-d8	6.23	136	871227	4.00 ug/ml	0.00
6) Acenaphthene-d10	8.10	164	461497	4.00 ug/ml	0.00
11) Phenanthrene-d10	9.70	188	777515	4.00 ug/ml	0.00
15) Chrysene-d12	13.42	240	712663	4.00 ug/ml	0.00
20) Perylene-d12	17.72	264	604873	4.00 ug/ml	-0.01

System Monitoring Compounds

3) Nitrobenzene-d5	0.00	82	0d	0.00 ug/ml	
Spiked Amount 2.000	Range 29 - 140		Recovery	= 0.00%#	
7) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 2.000	Range 31 - 125		Recovery	= 0.00%#	
17) Terphenyl-d14	0.00	244	0	0.00 ug/ml	
Spiked Amount 2.000	Range 26 - 160		Recovery	= 0.00%#	

Target Compounds

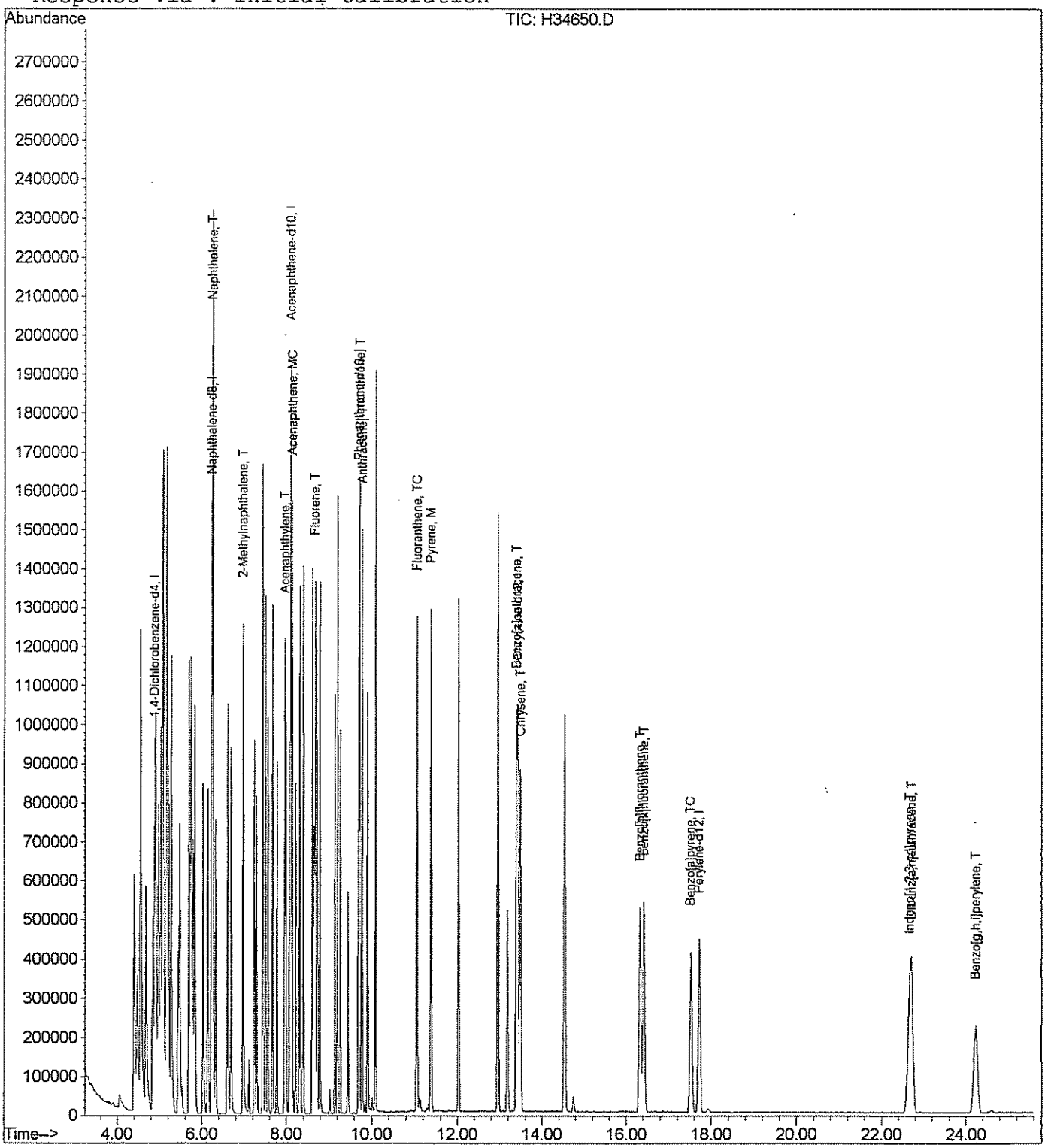
					Qvalue
4) Naphthalene	6.25	128	873047m	3.67 ug/ml	
5) 2-Methylnaphthalene	6.97	142	566008	3.79 ug/ml	97
8) Acenaphthylene	7.96	152	690912	3.34 ug/ml	99
9) Acenaphthene	8.13	153	433245	3.56 ug/ml	100
10) Fluorene	8.67	166	541937	3.76 ug/ml	98
12) Phenanthrene	9.72	178	740147	3.77 ug/ml	100
13) Anthracene	9.78	178	726332	3.57 ug/ml	99
14) Fluoranthene	11.07	202	812393	3.75 ug/ml	98
16) Pyrene	11.38	202	856376	3.72 ug/ml	90
18) Benzo[a]anthracene	13.40	228	799640	3.98 ug/ml	99
19) Chrysene	13.49	228	742206	3.87 ug/ml	99
21) Benzo[b]fluoranthene	16.33	252	738092	3.73 ug/ml	97
22) Benzo[k]fluoranthene	16.42	252	703139	3.63 ug/ml	98
23) Benzo[a]pyrene	17.52	252	646544	3.81 ug/ml	99
24) Indeno[1,2,3-cd]pyrene	22.67	276	752122	4.70 ug/ml	74
25) Dibenz[a,h]anthracene	22.71	278	670404	5.08 ug/ml	97
26) Benzo[g,h,i]perylene	24.24	276	618684	4.73 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\H\090606\H34650.D Vial: 9
Acq On : 6 Sep 2006 11:33 Operator: JI
Sample : BKS83459\83474 Inst : GC/MS- H
Misc : BKS83459\83474 SHAW SOIL 30gm HP#H JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 11:26 2006 Quant Results File: LOPAH.RES

Method : C:\HPCHEM\1\METHODS\LOPAH.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Thu Sep 07 13:31:42 2006
Response via : Initial Calibration



SEMIVOLATILE EXTRACTION LOG (SOIL) / WATER / WIPES / OIL

Sep. Funnel 3510C / Continuous 3520C / (Soxhlet 3540C) / Sonication 3550B / Waste Dilution 3580A

OLC03.2 / OLM04.2 / OLMO3.2 / OLMO4.3

Approval / Date: DS 08/31/06 GPC: Y (N)

Analysis Method: 8270 LL PAH (S)

BN Ext.Chemist: — Date: — BN Conc. Chemist: — Date: —

AP Ext.Chemist: N.P. Date: 8-30-06 AP Conc. Chemist: N.P. Date: 8-30-06

Spike Witness Initials: VT

GPL W.O. #	Fraction	Initial pH	Sample Vol. (gram) / mL	Surr. Vol. mL	Spike Vol. mL	BN pH Adjust.	AP pH Adjust.	F. V. mL
608148	BLK 83459	—	30.00	1.0	—	—	—	1.0
	BKS		30.00		0.5			
	001 MS		30.00					
	001 MSD		30.02					
	001		30.01		—			
	002		30.03					
608158	005 MS		30.03		0.5			
	005 MSD		30.00					
	003		30.00		—			
	004		30.04					
	005		30.01					
608146	004		30.01					
	005		30.00					
	006		30.00					

DS 08/31/06

Solvent: DCM / Acetone Surrogate Soln #: 36970 Matrix Spike Soln #: 37838

Lot #: C14H07 / B32E44 Surrogate/Conc.: 2,4 ppm Matrix Spike Conc.: 10 ppm

Sodium Sulfate #: 056643

Comments & Observations: Nothing unusual seen during extraction.
Xenu 83459 for WO's 608148 & 608146
Xenu 83474 for WO 608158

GCMS ANALYSIS LOG - SEMIVOLATILES

Reviewed By:_____ Date:_____

Instrument ID: HP# H HP5972	
Analysis/Fraction: BNA	
Analyst(s): [illegible]	

Method File:	LOPAH
Sequence FILE:	090406
Tune File:	DFTPP-U
Column: DB-5MS	

ICAL Date: 9/4/06

File ID	GPL ID	Date	Time	DIL	Matrix	INJ Vol	GPC Y/N	Comments
H 34608	DFTPP050	9/4/06	0847	—	Meth	1 µL	—	ok
H 09	SSTD025		0910			4 µL		ok
H 10	SSTD020		0943					ok
H 11	SSTD00.2		1013					ok
H 12	SSTD00.5		1044					ok
H 13	SSTD001		1114					ok
H 14	SSTD005		1145					ok
H 15	SSTD010	9/4/06	1216	—	Meth	4 µL	—	ok
H								
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LOPAH.M Curve

9/6/06

Remarks	Standards	Lot#	Volume	Conc.	Date Prepared
	DFTPP050	37641	1 µL	50 ppm	8/9/06
	SSTD025	38061	4 µL	2.5	9/4/06
	SSTD020	37338		20	7/6/06
	SSTD00.2	38062		0.2	9/4/06
	SSTD00.5	38064		0.5	
	SSTD001	38065		1	
	SSTD005	38067		5	
	SSTD010	38068		10	9/4/06

GCMS ANALYSIS LOG - SEMIVOLATILES

Reviewed By:_____ Date:_____

Instrument ID: HP# H HP5972	Method File: LOPAH.M
Analysis/Fraction: BNA	Sequence FILE: 090606
Analyst(s): [illegible]	Tune File: DFTPP.U
	Column: DB-5MS

ICAL Date: 9/4/06

File ID	GPL ID	Date	Time	DIL	Matrix	INJ Vol	GPC Y/N	Comments
H34640	DFTPP050	9/6/06	0620	—	Meoh	1 µl	—	not used
H 41	SSTD02-S		0637			4 µl		
H 42	DFTPP050		0741			1 µl		ok
H 43	SSTD02-S		0757			4 µl		ok
H 44	BLK83477		0827		Soil			ok
H 45	608180-001-001-1/1		0858					ok
H 46	608180-001-001-1/1MS		0929					ok
H 47	608180-001-001-1/1MSD		1000					ok
H 48	BLK83477		1031					ok
H 49	BLK83459/83474		1102					ok
H 50	BLK83459/83474		1133					no surrogate spiked
H 51	608148-001-001-1/3		1204					ok
H 52	608148-001-001-1/3MS		1235					no surrogate spiked
H 53	608148-001-001-1/3MSD		1306					
H 54	608148-002-013-1/1		1337					ok
H 55	608146-004-012-1/1		1407					ok
H 56	608146-005-013-1/1		1438					ok (needs dilution)
H 57	608146-006-014-1/1		1509					ok
H 58	608158-~~007-007~~ 003-005 1/2		1540					ok
H 59	608158-~~005-011~~ 004-007 1/6		1611					ok
H 60	608158-005-011-1/6		1642					ok
H 61	608158-005-011-1/6MS		1713					no surrogate spiked

Remarks	Standards	Lot#	Volume	Conc.	Date Prepared
See next page →	DFTPP050	37641	1 µl	50 ppm	8/9/06
608180 # 91356	SSTD02S	38061	4 µl	200	9/4/06
608158 # 91462	LOISTD	37631	20 µl	200	7/31/06

GCMS ANALYSIS LOG - SEMIVOLATILES

Reviewed By:_____ Date:_____

Instrument ID: HP# H HP5972	Method File: CGPAH.M
Analysis/Fraction: BNA	Sequence FILE: 090606
Analyst(s): JB	Tune File: DFTPP.U
	Column: DB-5MS

ICAL Date: 9/4/06

File ID	GPL ID	Date	Time	DIL	Matrix	INJ Vol	GPC Y/N	Comments
H34662	608158-CDS-011-1/6MSD	9/6/06	1744	—	Soil	4 µL	—	no surrogate spiked
H								
H								
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Remarks	Standards	Lot#	Volume	Conc.	Date Prepared
← See previous page					

Supersedes GP_B_076

LOW IMPACT EXPLOSIVES AND PROPELLANTS

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8330A** **SDG No : 608158**

Surrogate	NO2ANIL4
Lower QC Limits	31
Upper QC Limits	129
Sample ID	
BKS83534	104
BLK83534	110
NWO-017-0044	73
NWO-017-0045	85
NWO-017-1011	81

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-0022MSD

Lab Name : GPL Laboratories SDG NO : 608156 Method : SW8330A

Lab Code : GPL Lab Sample ID : 608156-001-001-1/2MSD Matrix : SOIL Analysis Date : 09/12/2006

Compound	Spike Added (mg/kg)		CONCENTRATION (mg/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,3,5-Trinitrobenzene	.5	.5	0.0	0.44	0.44	88	88	0	25	75-125
1,3-Dinitrobenzene	.5	.5	0.0	0.46	0.46	92	92	0	25	80-125
2,4,6-Trinitrotoluene	.5	.5	0.0	0.49	0.48	96	96	0	25	55-140
2,4-Dinitrotoluene	.5	.5	0.0	0.43	0.43	86	86	0	25	80-125
2,6-Dinitrotoluene	.5	.5	0.0	0.51	0.50	102	100	2	25	80-120
2-Amino-4,6-Dinitrotoluene	.5	.5	0.0	0.43	0.43	86	86	0	25	80-125
4-Amino-2,6-Dinitrotoluene	.5	.5	0.0	0.39	0.40	78 *	80	3	25	80-125
HMX	.5	.5	0.0	0.47	0.46	94	92	2	25	75-125
Nitrobenzene	.5	.5	0.0	0.45	0.45	90	90	0	25	75-125
RDX	.5	.5	0.0	0.38	0.38	76	76	0	25	70-135
Tetryl	.5	.5	0.0	0.42	0.41	84	82	2	25	10-150
m-Nitrotoluene	.5	.5	0.0	0.45	0.46	90	92	2	25	75-120
o-Nitrotoluene	.5	.5	0.0	0.48	0.48	96	96	0	25	80-125
p-Nitrotoluene	.5	.5	0.0	0.47	0.45	94	90	4	25	75-125

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 14 Outside Limit
Spike Recovery : 1 Out of 28 outside limit

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-0022MSD

Lab Name : GPL Laboratories SDG NO : 608156 Method : SW8330

Lab Code : GPL Lab Sample ID : 608156-001-001-1/2MSD Matrix : SOIL Analysis Date : 09/12/2006

Compound	Spike Added (mg/kg)		CONCENTRATION (mg/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Nitroglycerine	20	20	0.0	12	12	60	60	0	25	50-150

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 1 Outside Limit
Spike Recovery : 0 Out of 2 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS83534

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8330A

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 608158
Lab Sample ID : BKS83534
Analysis Date : 09/11/2006

COMPOUND	SPIKE ADDED (mg/kg)	BLANK CONCENTRATION (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC	QC LIMTS
1,3,5-Trinitrobenzene	.5	0	0.41	82	75-125
1,3-Dinitrobenzene	.5	0	0.48	96	80-125
2,4,6-Trinitrotoluene	.5	0	0.50	100	55-140
2,4-Dinitrotoluene	.5	0	0.44	88	80-125
2,6-Dinitrotoluene	.5	0	0.53	106	80-120
2-Amino-4,6-Dinitrotoluene	.5	0	0.48	96	80-125
4-Amino-2,6-Dinitrotoluene	.5	0	0.47	94	80-125
HMX	.5	0	0.51	102	75-125
Nitrobenzene	.5	0	0.46	92	75-125
RDX	.5	0	0.50	100	70-135
Tetryl	.5	0	0.33	66	10-150
m-Nitrotoluene	.5	0	0.47	94	75-120
o-Nitrotoluene	.5	0	0.50	100	80-125
p-Nitrotoluene	.5	0	0.47	94	75-125

* Values Outside of QC Limits.

Spike recovery : 0 out of 14 outside limits

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS83547

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8330

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 608158
Lab Sample ID : BKS83547
Analysis Date : 09/12/2006

COMPOUND	SPIKE ADDED (mg/kg)	BLANK CONCENTRATION (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC	QC LIMTS
Nitroglycerine	20	0	11	55	50-150

* Values Outside of QC Limits.

Spike recovery : 0 out of 1 outside limits

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK83534

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	83534
Lab File ID :	LA16117.D	SDG NO :	608158
Date Analyzed	09/11/2006	Lab Sample ID :	BLK83534
Date Extracted :	09/01/2006	Time Analyzed :	22:55
Matrix :(Soil/Water).	SOIL	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS83534	BKS83534	LA16118.D	09/11/2006
NWO-017-0044	608158-001-001-1/2	LA16136.D	09/12/2006
NWO-017-1011	608158-002-003-1/2	LA16137.D	09/12/2006
NWO-017-0045	608158-006-009-1/2	LA16138.D	09/12/2006

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK83547

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	83547
Lab File ID :	LA16117.D	SDG NO :	608158
Date Analyzed	09/11/2006	Lab Sample ID :	BLK83547
Date Extracted :	09/01/2006	Time Analyzed :	22:55
Matrix :(Soil/Water).	SOIL	Level :(Low/Med)	

(Nitroglycerin)
THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS83547	BKS83547	LA16121.D	09/12/2006
NWO-017-0044	608158-001-001-1/2	LA16136.D	09/12/2006
NWO-017-1011	608158-002-003-1/2	LA16137.D	09/12/2006
NWO-017-0045	608158-006-009-1/2	LA16138.D	09/12/2006

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0044

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-001-001-1/2
Sample Volume :	10.04	Lab File ID :	LA16136.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0044

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-001-001-1/2
Sample Volume :	10.04	Lab File ID :	LA16136.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16136.D Vial: 22
Acq On : 12 Sep 2006 17:46 Operator: AG
Sample : 608158-001-001-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:57 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.45	14231723	108.816 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 72.54%			
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

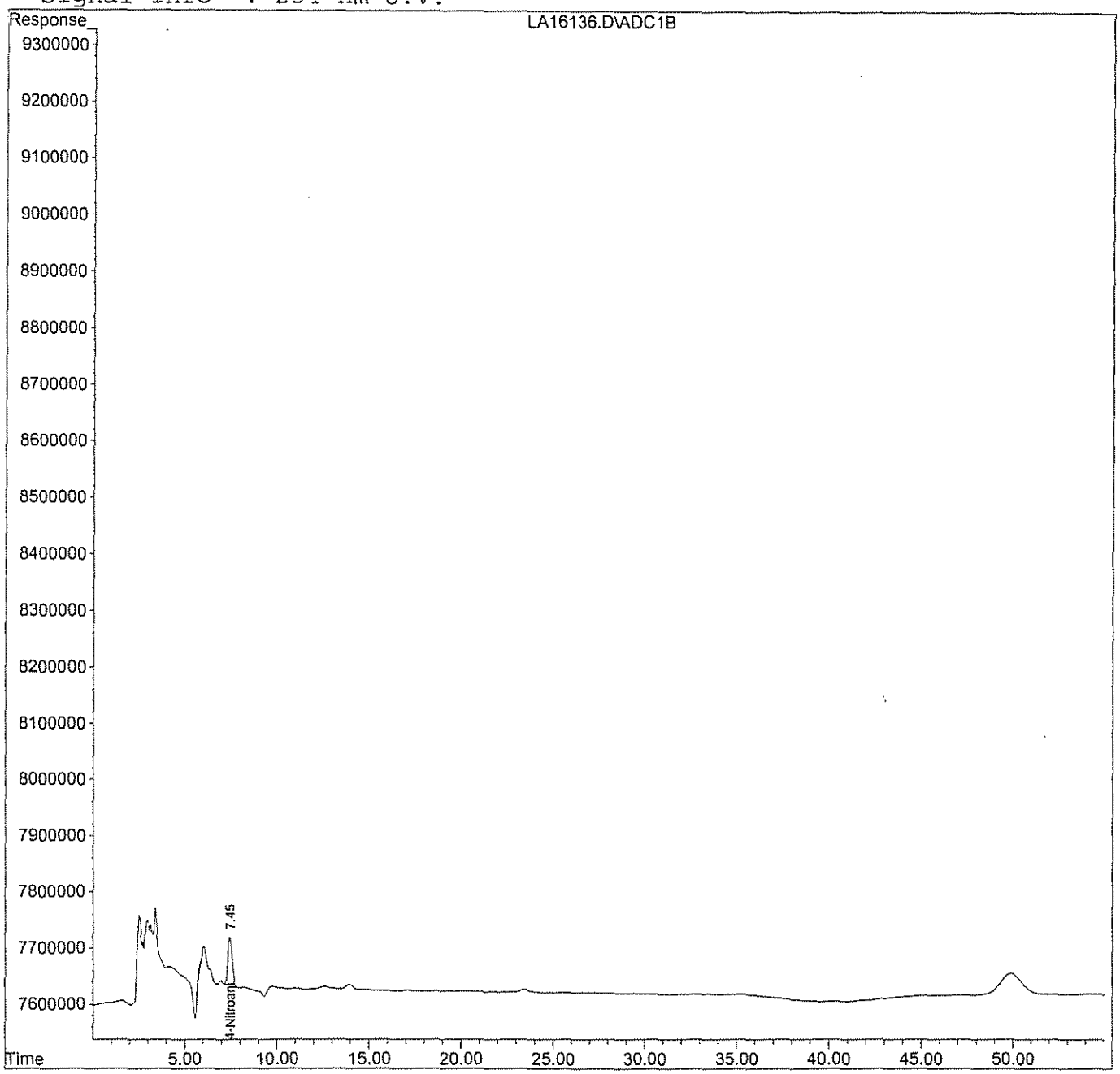
Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16136.D
Acq On : 12 Sep 2006 17:46
Sample : 608158-001-001-1/2
Misc : SOIL
IntFile : events.e
Quant Time: Sep 17 9:57 2006 Quant Results File: 67258330.RES

Vial: 22
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36167.D Vial: 21
Acq On : 15 Sep 2006 6:10 Operator: SS
Sample : 608158-001 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 13:34 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.93	14156635	110.266 ng/ml

Spiked Amount 150.000 Range 52 - 154 Recovery = 73.51%

Target Compounds

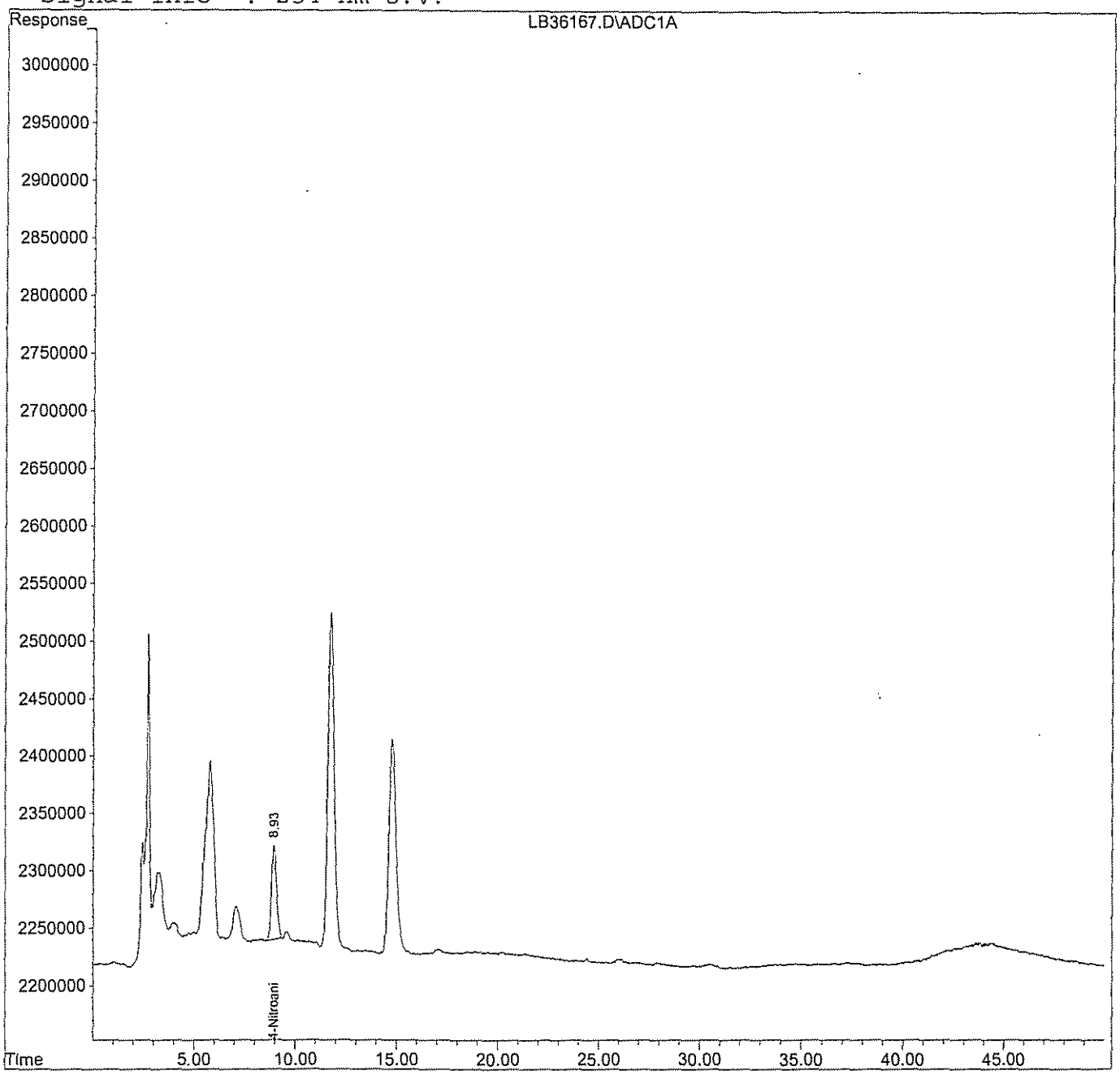
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36167.D Vial: 21
Acq On : 15 Sep 2006 6:10 Operator: SS
Sample : 608158-001 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 13:34 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16136.D Vial: 22
Acq On : 12 Sep 2006 17:46 Operator: AG
Sample : 608158-001-001-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:17 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	7.45	14191701	115.768	PPB
Spiked Amount 300.000		Recovery =	38.59%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM d

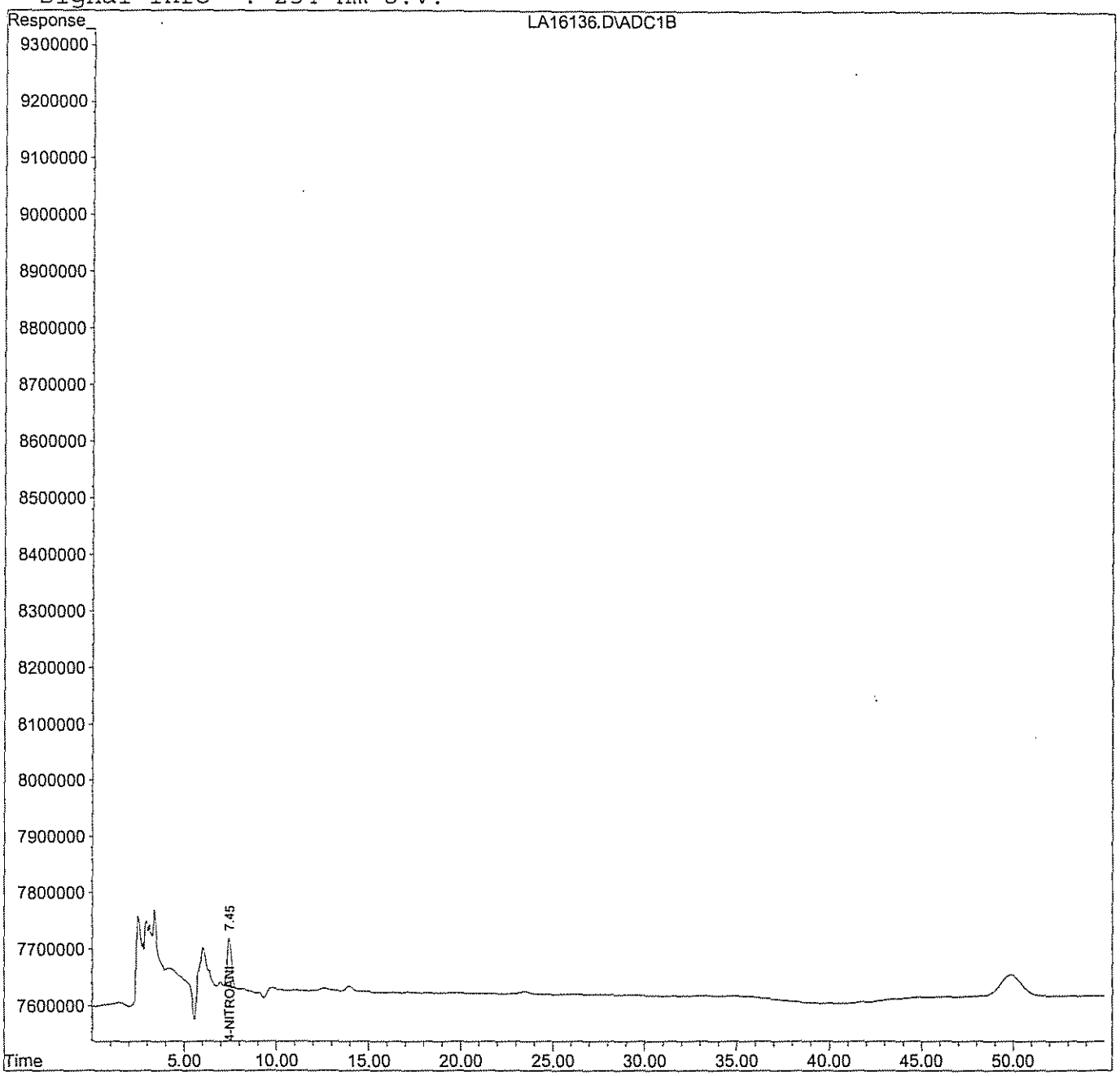
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16136.D Vial: 22
Acq On : 12 Sep 2006 17:46 Operator: AG
Sample : 608158-001-001-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:17 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\0914NG\LB36167.D Vial: 21
Acq On : 15 Sep 2006 6:10 Operator: SS
Sample : 608158-001 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:17 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	8.93	13950816	133.195	PPB
Spiked Amount 300.000		Recovery =	44.40%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

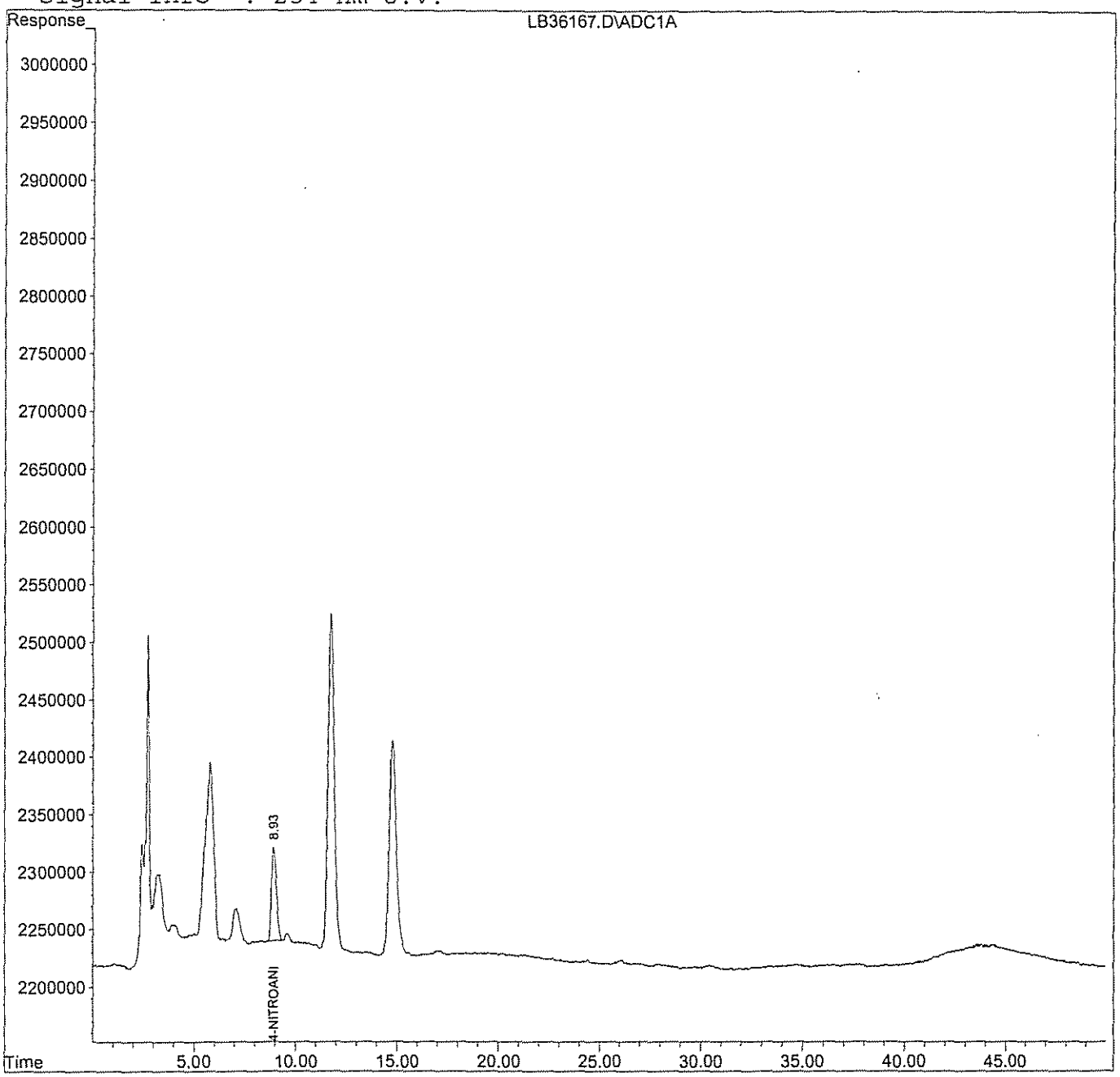
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\0914NG\LB36167.D Vial: 21
Acq On : 15 Sep 2006 6:10 Operator: SS
Sample : 608158-001 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 10:17 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1011

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-002-003-1/2
Sample Volume :	10.01	Lab File ID :	LA16137.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1011

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-002-003-1/2
Sample Volume :	10.01	Lab File ID :	LA16137.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16137.D Vial: 23
Acq On : 12 Sep 2006 18:46 Operator: AG
Sample : 608158-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 8:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.44	15917069	121.702 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 81.13%			
Target Compounds			

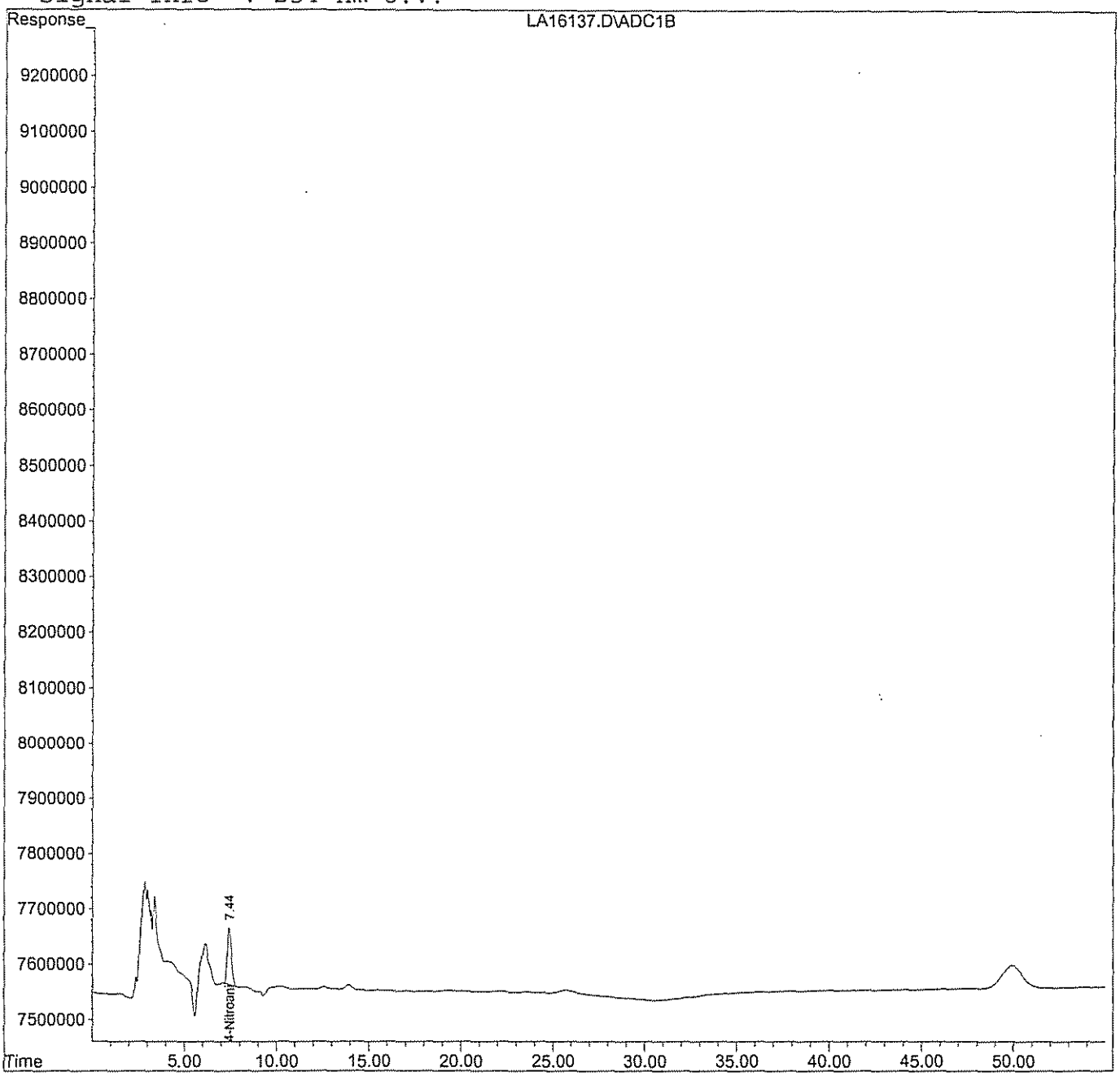
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16137.D Vial: 23
Acq On : 12 Sep 2006 18:46 Operator: AG
Sample : 608158-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 8:53 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16137.D Vial: 23
Acq On : 12 Sep 2006 18:46 Operator: AG
Sample : 608158-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:39 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.44	16998855	138.667	PPB	m
Spiked Amount 300.000		Recovery =	46.22%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

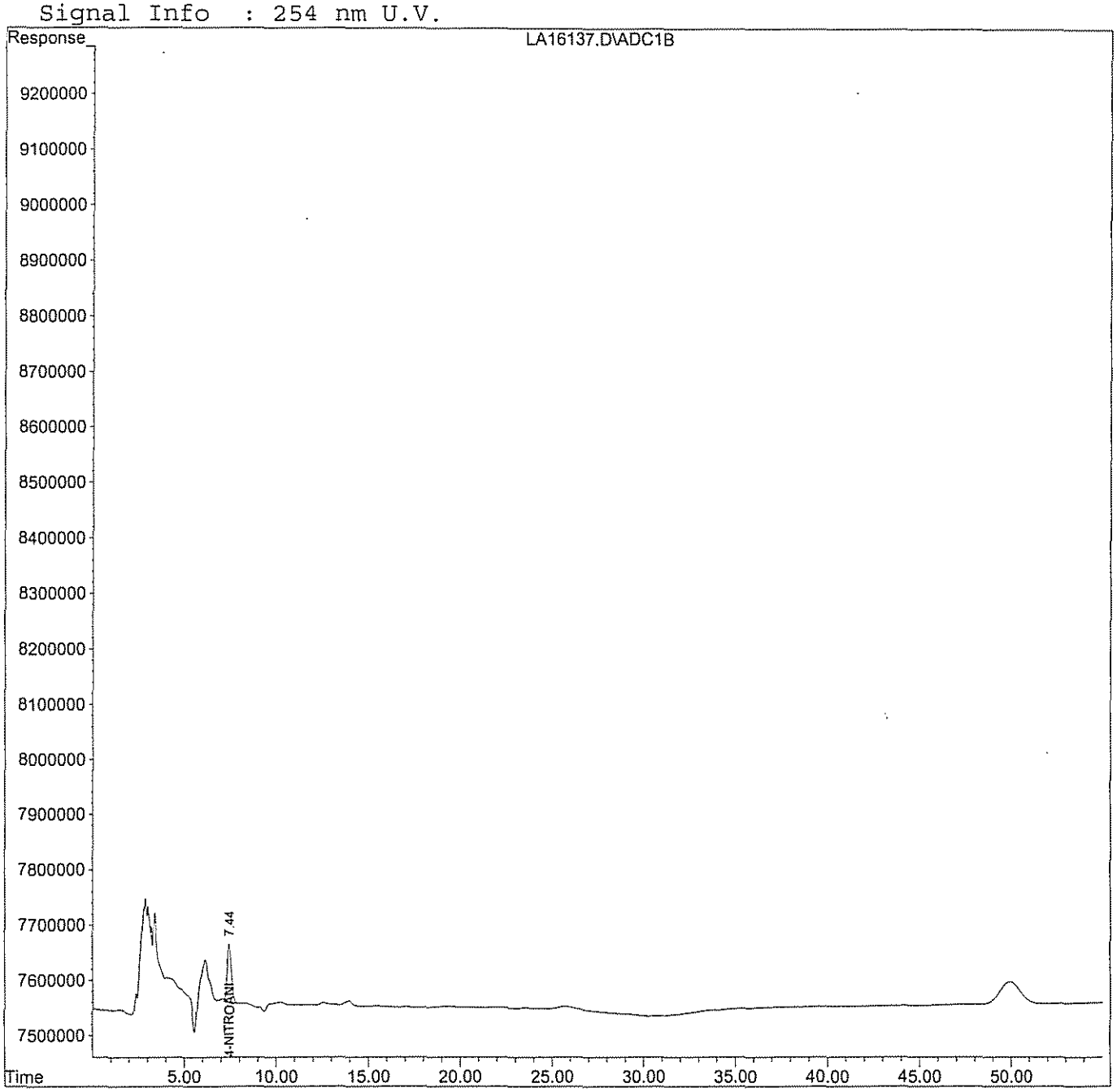
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16137.D Vial: 23
Acq On : 12 Sep 2006 18:46 Operator: AG
Sample : 608158-002-003-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:39 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0045

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-006-009-1/2
Sample Volume :	10	Lab File ID :	LA16138.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0045

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-006-009-1/2
Sample Volume :	10	Lab File ID :	LA16138.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16138.D Vial: 24
Acq On : 12 Sep 2006 19:45 Operator: AG
Sample : 608158-006-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:57 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.43	16682322	127.553 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 85.04%			
Target Compounds			

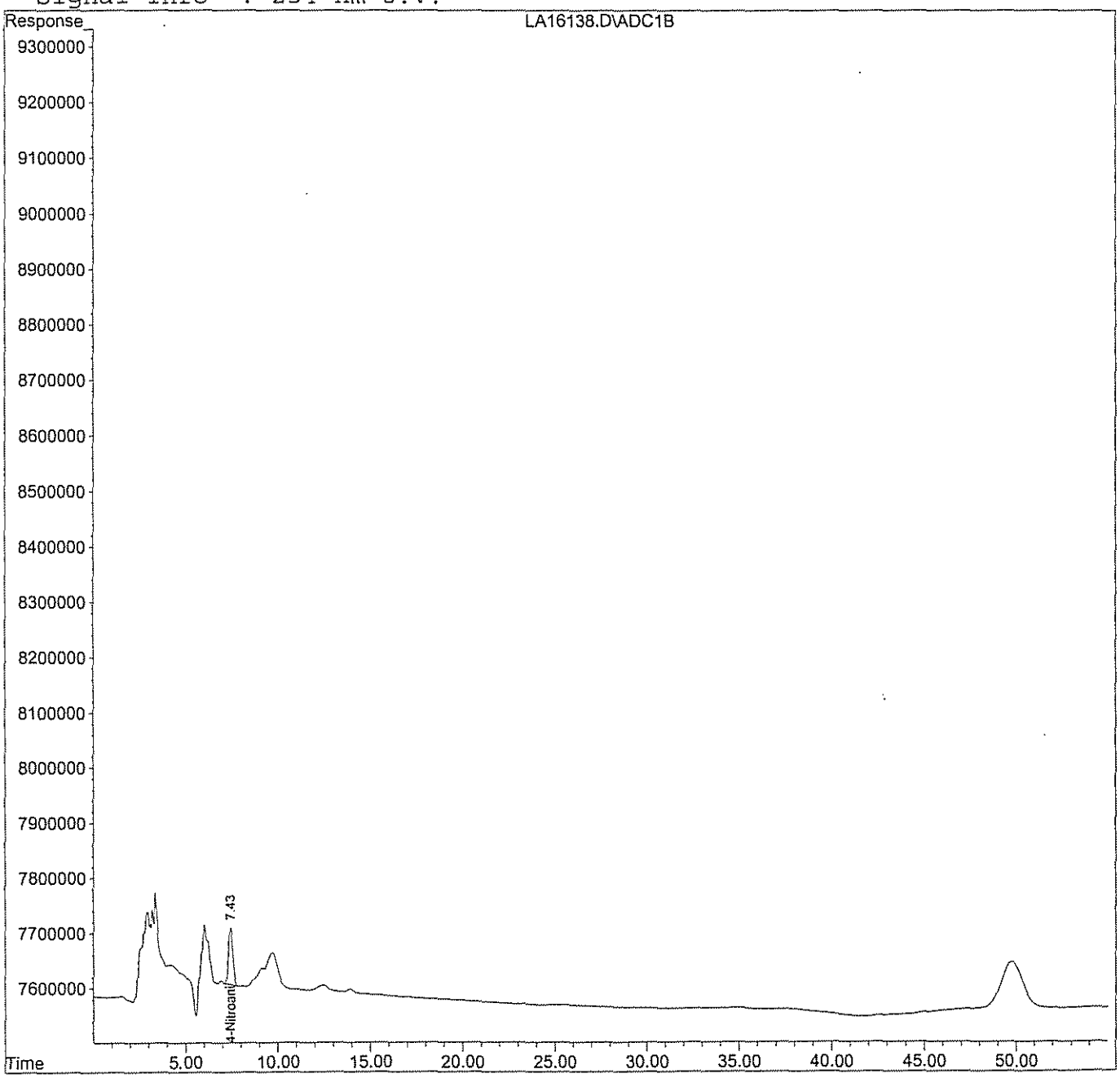
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16138.D Vial: 24
Acq On : 12 Sep 2006 19:45 Operator: AG
Sample : 608158-006-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 17 9:57 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36168.D Vial: 22
Acq On : 15 Sep 2006 7:01 Operator: SS
Sample : 608158-006 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 13:34 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.93	17452522	135.938 ng/mlm
Spiked Amount 150.000 Range 52 - 154 Recovery = 90.63%			
Target Compounds			

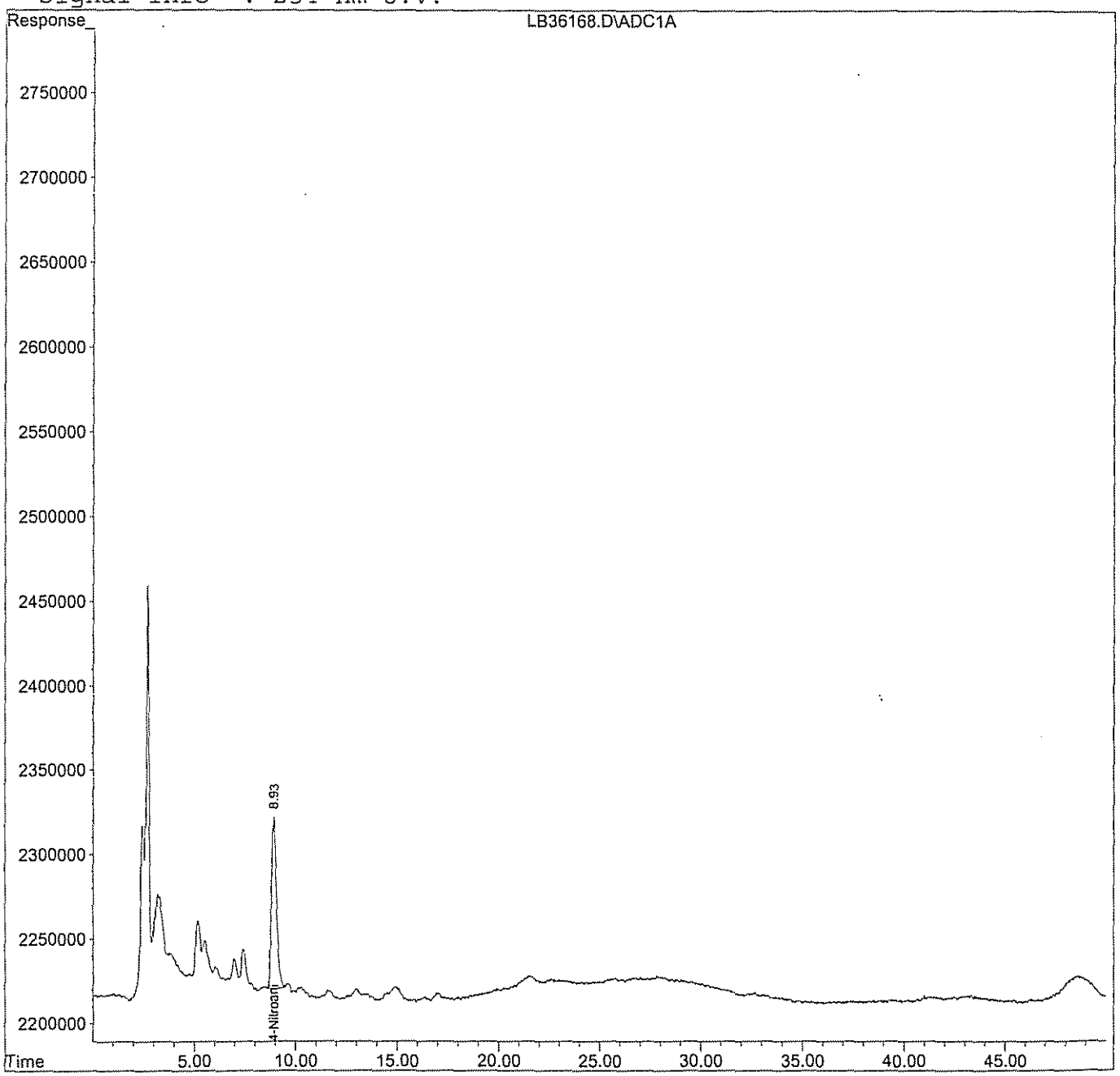
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36168.D Vial: 22
Acq On : 15 Sep 2006 7:01 Operator: SS
Sample : 608158-006 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 13:34 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16138.D Vial: 24
Acq On : 12 Sep 2006 19:45 Operator: AG
Sample : 608158-006-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:04 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.43	16855951	137.501 PPB
Spiked Amount 300.000		Recovery =	45.83%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

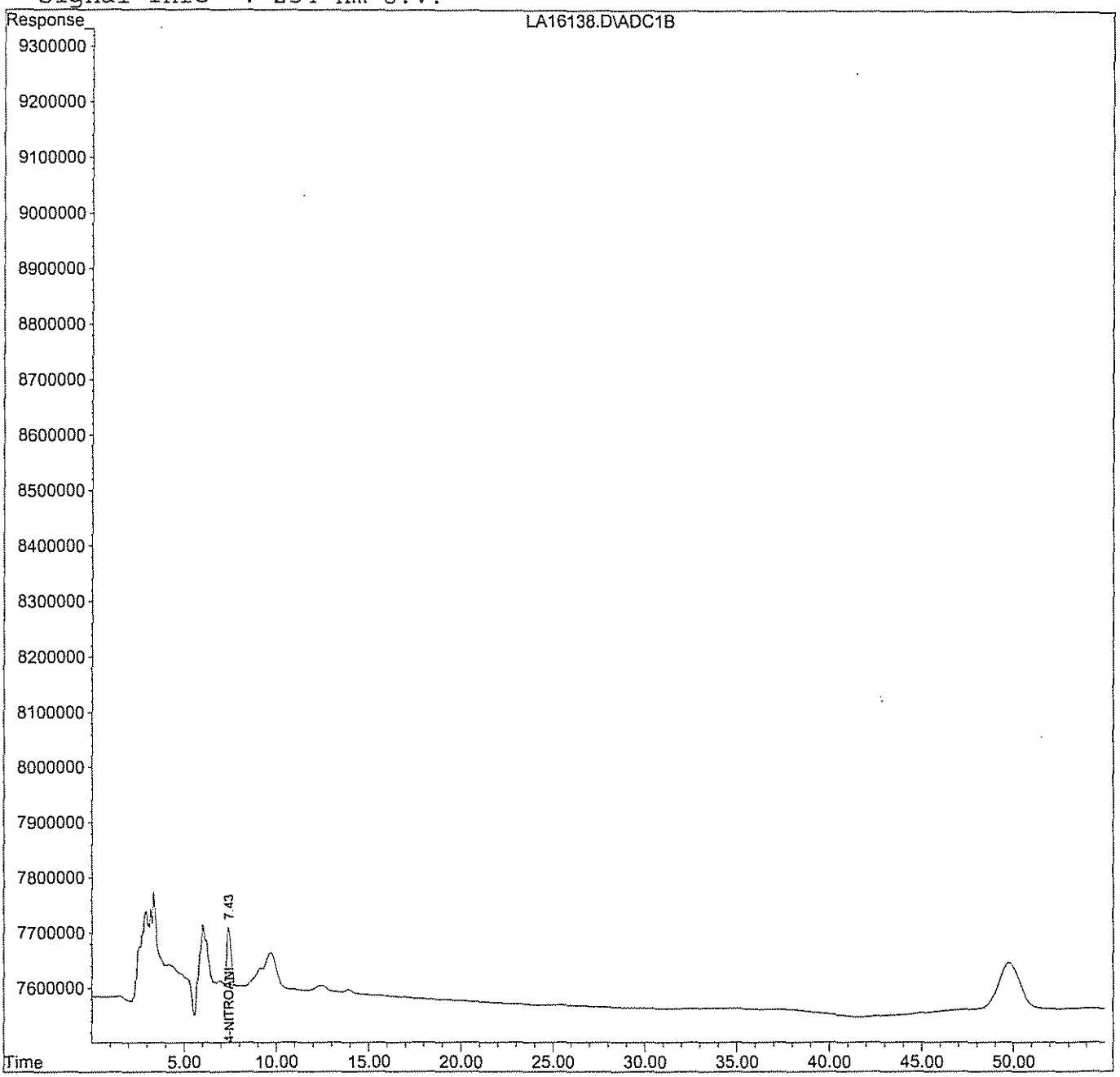
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16138.D Vial: 24
Acq On : 12 Sep 2006 19:45 Operator: AG
Sample : 608158-006-009-1/2 Inst : LCA
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:04 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 10:20:04 2006

Calibration Files
LEV1 =LA15127.D LEV2 =LA15128.D LEV3 =LA15129.D
LEV4 =LA15130.D LEV5 =LA15131.D LEV6 =LA15132.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	LEV6	Avg		%RSD
1)	T	HMX	1.296	1.290	1.223	1.196	1.208	1.183	1.233	E5	3.96
2)	S	4-Nitroaniline	1.267	1.398	1.267	1.264	1.381	1.271	1.308	E5	4.83
3)	T	1,3,5-Trinitrobenze	3.361	3.419	3.541	3.506	3.534	3.461	3.470	E5	2.04
4)	T	Tetryl	2.286	2.076	2.634	2.617	2.634	2.586	2.472	E5	9.55
5)	T	2,4,6-Trinitrotolue	3.509	3.416	3.447	3.387	3.408	3.322	3.415	E5	1.82
6)	T	4-Amino-2,6-Dinitro	2.696	2.677	2.374	2.337	2.373	2.305	2.460	E5	7.20
7)	T	2,6-Dinitrotoluene	2.363	2.353	2.225	2.165	2.162	2.166	2.239	E5	4.25
8)	T	4-Nitrotoluene	2.348	1.907	1.947	2.040	2.027	1.999	2.045	E5	7.67
9)	M	RDX	1.821	1.731	1.649	1.553	1.571	1.527	1.642	E5	6.99
10)	M	1,3-Dinitrobenzene	5.496	5.066	5.187	5.083	5.115	5.020	5.161	E5	3.36
11)	M	Nitrobenzene	3.955	3.743	3.642	3.647	3.669	3.621	3.713	E5	3.40
12)	M	2-Amino-4,6-Dinitro	3.671	3.777	3.600	3.544	3.573	3.491	3.609	E5	2.82
13)	M	2,4-Dinitrotoluene	5.610	5.477	5.224	5.141	5.177	5.163	5.298	E5	3.71
14)	M	2-Nitrotoluene	2.387	2.414	2.260	2.273	2.294	2.246	2.312	E5	3.06
15)	M	3-Nitrotoluene	2.659	2.646	2.476	2.518	2.516	2.490	2.551	E5	3.15

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15126.D Vial: 1
Acq On : 24 Jul 2006 7:50 pm Operator: AG
Sample : 8330MIX-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:21 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units

System Monitoring Compounds

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int

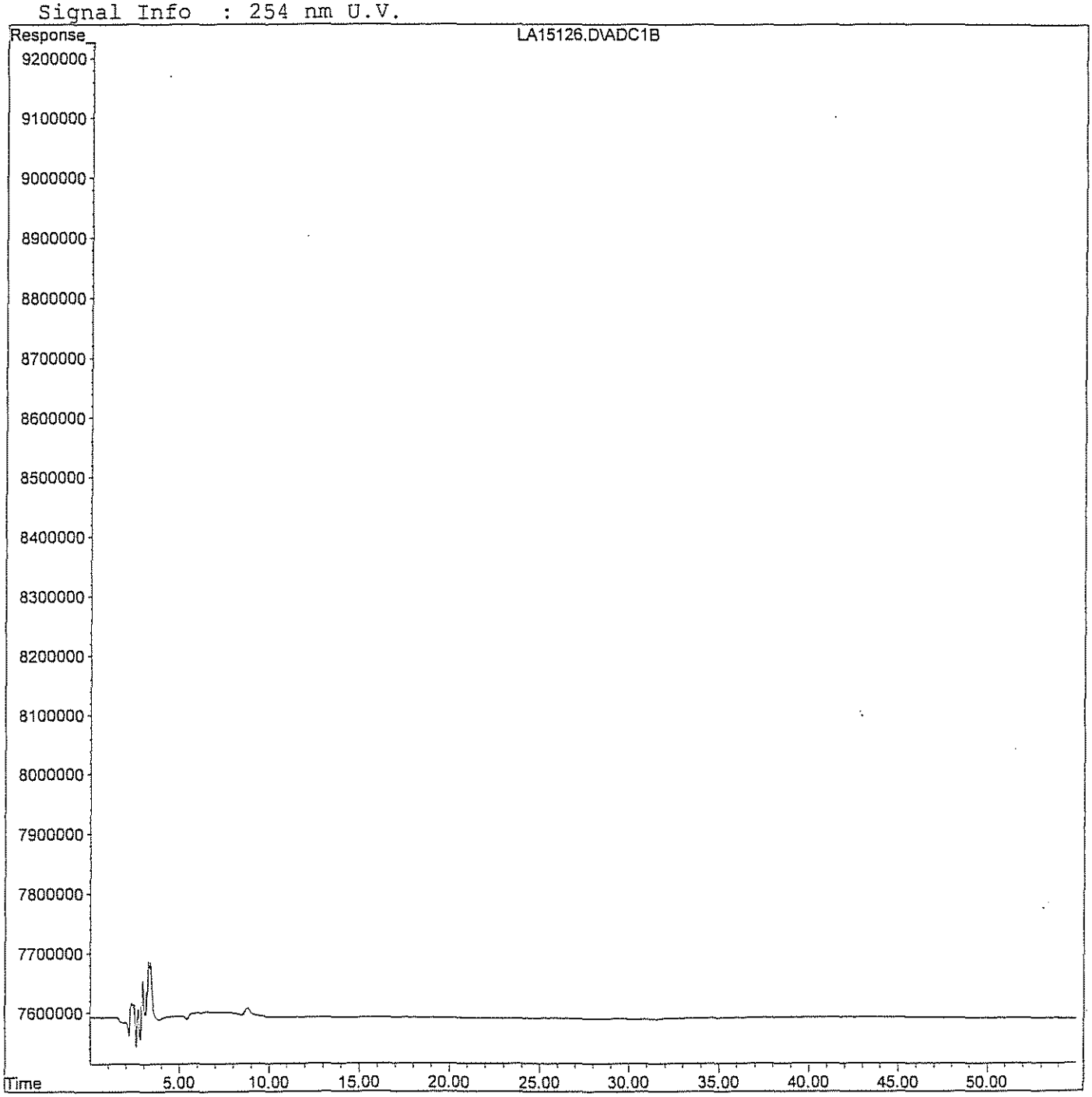
Camp Adair/Adair AFS
200-1e
F10OR002908_01.09_0504_a
625

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15126.D Vial: 1
Acq On : 24 Jul 2006 7:50 pm Operator: AG
Sample : 8330MIX-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:21 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15127.D Vial: 2
Acq On : 24 Jul 2006 8:49 pm Operator: AG
Sample : 8330MIX-LEV1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:19 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.17	2533747	19.283 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 6.43%#					
Target Compounds					
1)	T	HMX	4.62	2592528	20.862 ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.69	3360523	9.592 ng/mlm
4)	T	Tetryl	20.24	4571428	18.848 ng/mlm
5)	T	2,4,6-Trinitrotoluene	24.84	3508932	10.376 ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	26.62	2695882	10.852 ng/mlm
7)	T	2,6-Dinitrotoluene	31.47	2362751	10.560 ng/mlm
8)	T	4-Nitrotoluene	44.17	4696060	22.843 ng/mlm
9)	M	RDX	9.09	3641036	21.529 ng/mlm
10)	M	1,3-Dinitrobenzene	18.36	5496210	10.648 ng/mlm
11)	M	Nitrobenzene	22.34	3955430	10.646 ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	28.39	3670539	10.231 ng/mlm
13)	M	2,4-Dinitrotoluene	32.58	5609844	10.618 ng/mlm
14)	M	2-Nitrotoluene	40.99	4773720	20.714 ng/mlm
15)	M	3-Nitrotoluene	48.05	5317784	20.558 ng/mlm

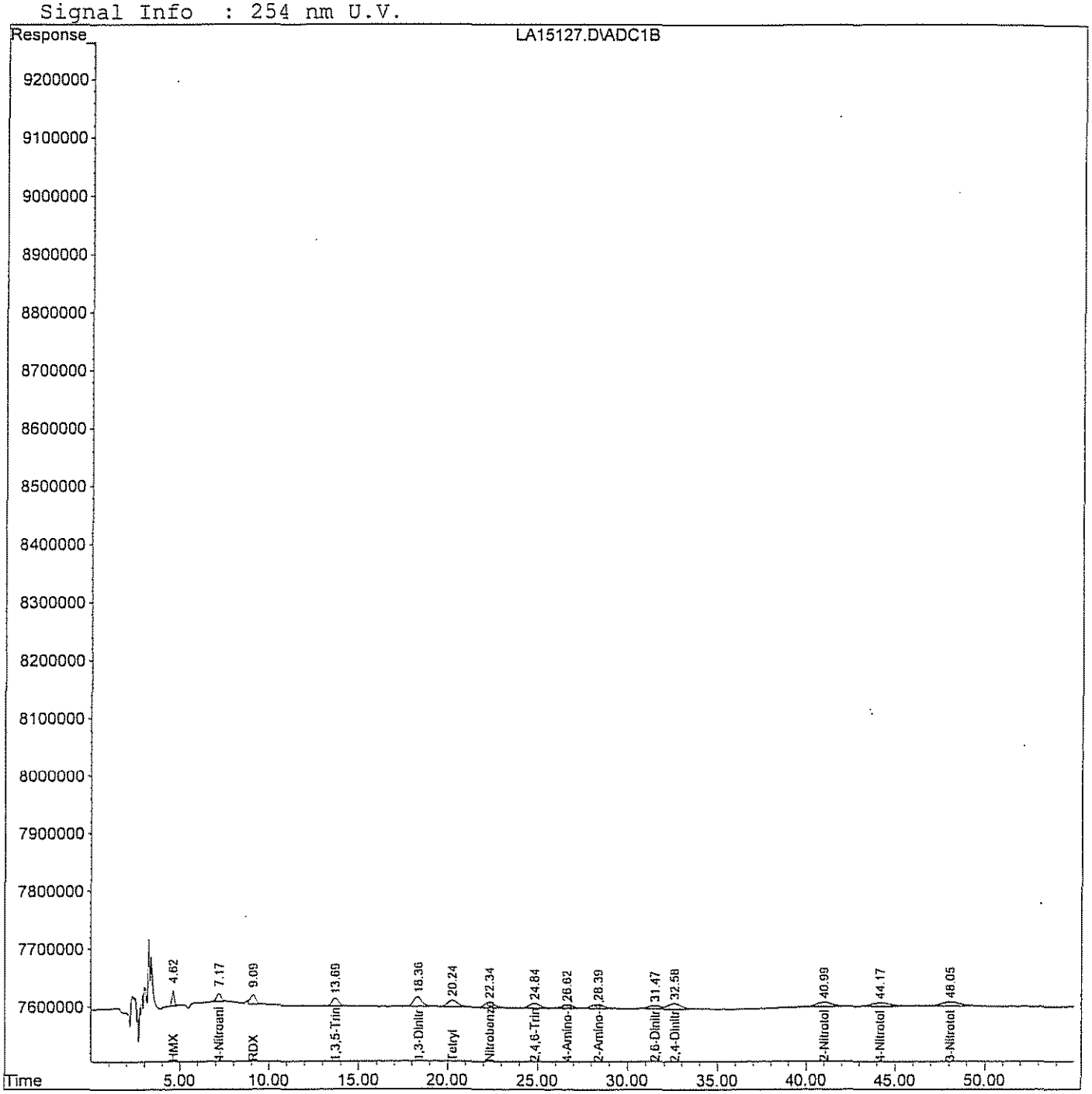
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15127.D Vial: 2
Acq On : 24 Jul 2006 8:49 pm Operator: AG
Sample : 8330MIX-LEV1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:19 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15128.D Vial: 3
Acq On : 24 Jul 2006 9:49 pm Operator: AG
Sample : 8330MIX-LEV2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:03 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	7.18	13976739	106.372	ng/mlm
Spiked Amount		300.000	Range 49 - 133	Recovery =	35.46%#	
		Target Compounds				
1)	T	HMX	4.62	12903421	103.834	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.67	17096793	48.801	ng/mlm
4)	T	Tetryl	20.21	20756774	85.582	ng/mlm
5)	T	2,4,6-Trinitrotoluene	24.80	17080026	50.505	ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	26.64	13384172	53.874	ng/mlm
7)	T	2,6-Dinitrotoluene	31.45	11762789	52.570	ng/mlm
8)	T	4-Nitrotoluene	44.25	19070917	92.766	ng/mlm
9)	M	RDX	9.11	17308792	102.345	ng/mlm
10)	M	1,3-Dinitrobenzene	18.28	25328885	49.072	ng/ml
11)	M	Nitrobenzene	22.29	18714119	50.371	ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	28.30	18886865	52.644	ng/mlm
13)	M	2,4-Dinitrotoluene	32.59	27386035	51.836	ng/mlm
14)	M	2-Nitrotoluene	41.11	24140767	104.752	ng/mlm
15)	M	3-Nitrotoluene	48.16	26455039	102.275	ng/mlm

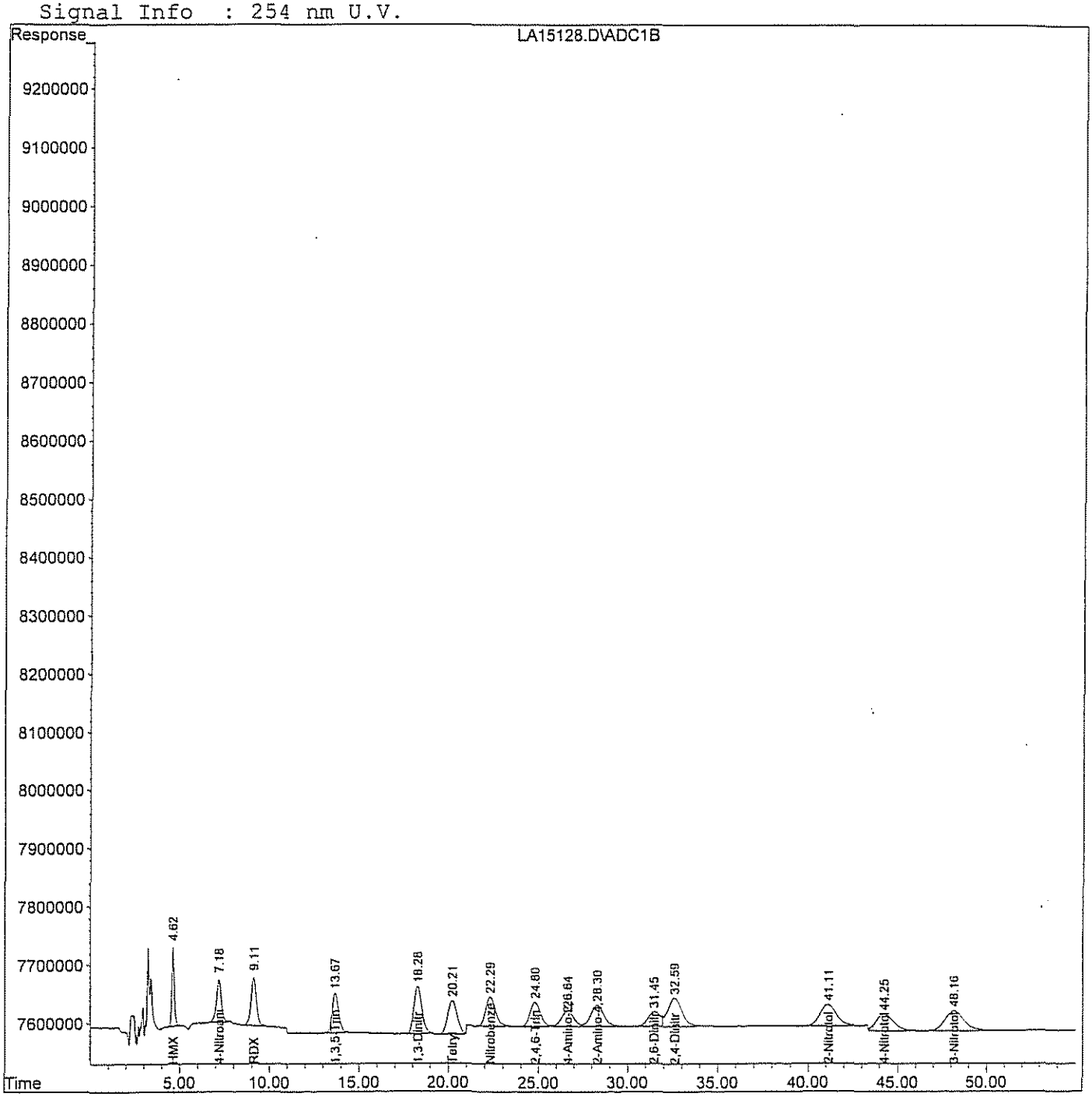
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15128.D Vial: 3
Acq On : 24 Jul 2006 9:49 pm Operator: AG
Sample : 8330MIX-LEV2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:03 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15129.D Vial: 4
Acq On : 24 Jul 2006 10:48 pm Operator: AG
Sample : 8330MIX-LEV3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound			R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.16	63364344	482.242 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 160.75%#					
Target Compounds					
1)	T	HMX	4.61	61156696	492.127 ng/ml
3)	T	1,3,5-Trinitrobenzene	13.68	88528114	252.696 ng/ml
4)	T	Tetryl	20.25	131700327	543.015 ng/ml
5)	T	2,4,6-Trinitrotoluene	24.83	86168690	254.796 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.68	59338371	238.850 ng/ml
7)	T	2,6-Dinitrotoluene	31.46	55632704	248.633 ng/ml
8)	T	4-Nitrotoluene	44.16	97333440	473.455 ng/mlm
9)	M	RDX	9.10	82443644	487.480 ng/ml
10)	M	1,3-Dinitrobenzene	18.31	129681991	251.245 ng/ml
11)	M	Nitrobenzene	22.33	91048887	245.068 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.31	89996265	250.848 ng/ml
13)	M	2,4-Dinitrotoluene	32.57	130595008	247.190 ng/ml
14)	M	2-Nitrotoluene	41.03	112976058	490.228 ng/ml
15)	M	3-Nitrotoluene	48.07	123794902	478.588 ng/ml

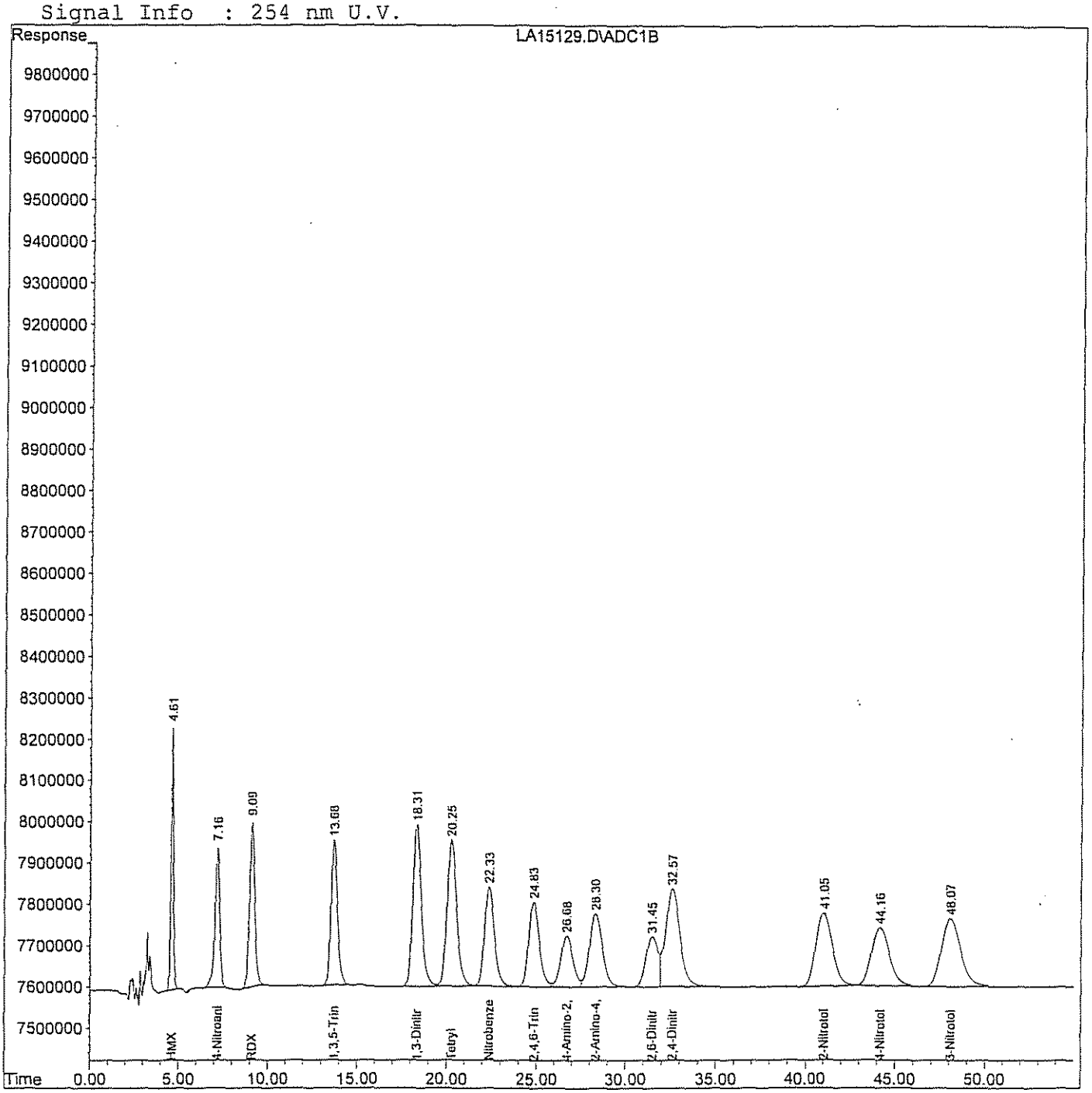
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15129.D Vial: 4
Acq On : 24 Jul 2006 10:48 pm Operator: AG
Sample : 8330MIX-LEV3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15130.D Vial: 5
Acq On : 24 Jul 2006 11:48 pm Operator: AG
Sample : 8330MIX-LEV4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.18	126392628	961.925	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 320.64%#	
Target Compounds						
1)	T	HMX	4.63	119551378	962.028	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.69	175298545	500.374	ng/ml
4)	T	Tetryl	20.25	261744389	1079.201	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.82	169367688	500.811	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.68	116836675	470.293	ng/ml
7)	T	2,6-Dinitrotoluene	31.44	108235838	483.727	ng/ml
8)	T	4-Nitrotoluene	44.13	204046526	992.536	ng/ml
9)	M	RDX	9.12	155334981	918.479	ng/ml
10)	M	1,3-Dinitrobenzene	18.31	254134020	492.358	ng/ml
11)	M	Nitrobenzene	22.33	182351687	490.819	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.29	177179097	493.854	ng/ml
13)	M	2,4-Dinitrotoluene	32.55	257032275	486.510	ng/ml
14)	M	2-Nitrotoluene	41.00	227330639	986.437	ng/ml
15)	M	3-Nitrotoluene	48.06	251779178	973.372	ng/ml

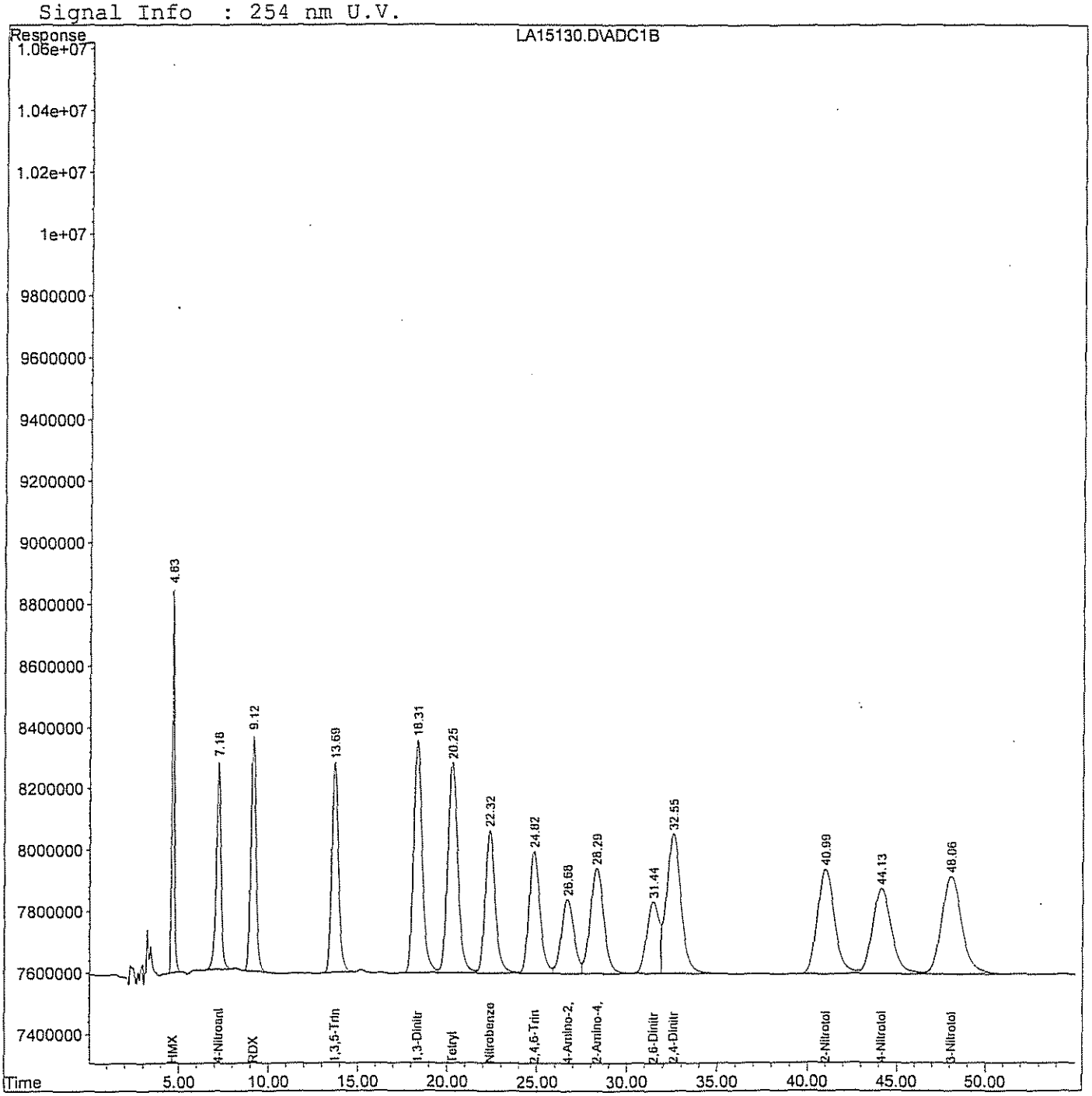
Camp Adair/Adair AFS
200-1e
F10OR002908_01.09_0504_a
633

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15130.D Vial: 5
Acq On : 24 Jul 2006 11:48 pm Operator: AG
Sample : 8330MIX-LEV4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:00 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15131.D Vial: 6
Acq On : 25 Jul 2006 12:47 am Operator: AG
Sample : 8330MIX-LEV5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

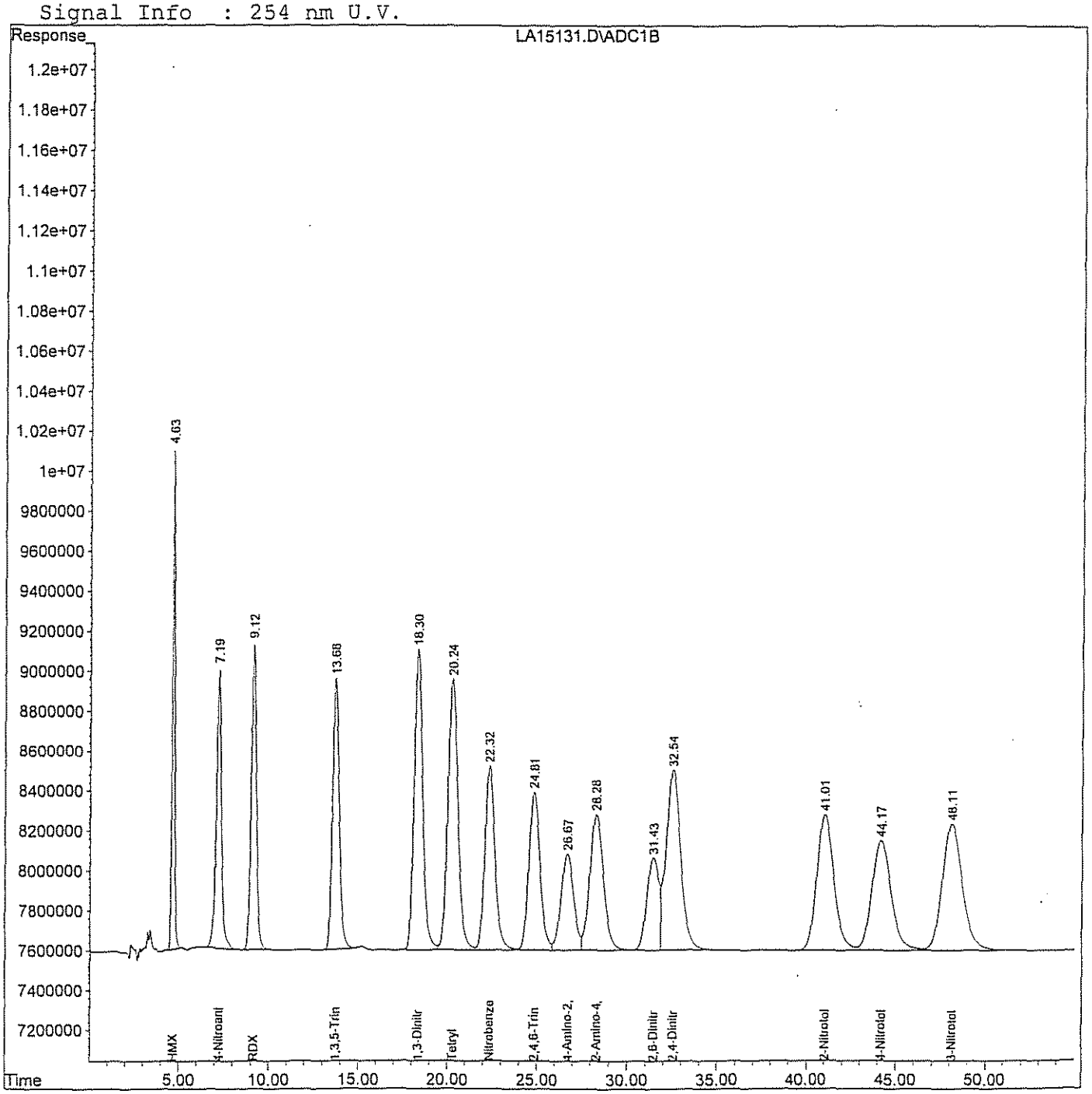
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.19	276125577	2101.485	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 700.50%#	
Target Compounds						
1)	T	HMX	4.63	241558568	1943.817	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.68	353379901	1008.691	ng/ml
4)	T	Tetryl	20.24	526827041	2172.165	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.81	340780189	1007.669	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.67	237312925	955.237	ng/ml
7)	T	2,6-Dinitrotoluene	31.43	216162020	966.070	ng/ml
8)	T	4-Nitrotoluene	44.17	405456361	1972.246	ng/ml
9)	M	RDX	9.12	314198319	1857.820	ng/ml
10)	M	1,3-Dinitrobenzene	18.30	511517616	991.011	ng/ml
11)	M	Nitrobenzene	22.32	366851214	987.420	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.28	357343068	996.029	ng/ml
13)	M	2,4-Dinitrotoluene	32.54	517664050	979.834	ng/ml
14)	M	2-Nitrotoluene	41.02	458745788	1990.597	ng/ml
15)	M	3-Nitrotoluene	48.11	503189091	1945.317	ng/ml

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15131.D Vial: 6
Acq On : 25 Jul 2006 12:47 am Operator: AG
Sample : 8330MIX-LEV5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15132.D Vial: 7
Acq On : 25 Jul 2006 1:47 am Operator: AG
Sample : 8330MIX-LEV6 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.17	635419184	4835.930	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 1611.98%#						
Target Compounds						
1)	T	HMX	4.63	591641981	4760.932	ng/ml
3)	T	1,3,5-Trinitrobenzene	13.66	865302677	2469.929	ng/ml
4)	T	Tetryl	20.20	1293186291	5331.948	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.78	830405000	2455.464	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.61	576219874	2319.411	ng/ml
7)	T	2,6-Dinitrotoluene	31.41	541546198	2420.275	ng/ml
8)	T	4-Nitrotoluene	44.19	999422431	4861.452	ng/ml
9)	M	RDX	9.10	763573799	4514.927	ng/ml
10)	M	1,3-Dinitrobenzene	18.27	1255087143	2431.598	ng/ml
11)	M	Nitrobenzene	22.28	905197797	2436.437	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.23	872628409	2432.293	ng/ml
13)	M	2,4-Dinitrotoluene	32.52	1290636854	2442.916	ng/ml
14)	M	2-Nitrotoluene	41.05	1122871373	4872.381	ng/ml
15)	M	3-Nitrotoluene	48.13	1244879261	4812.673	ng/ml

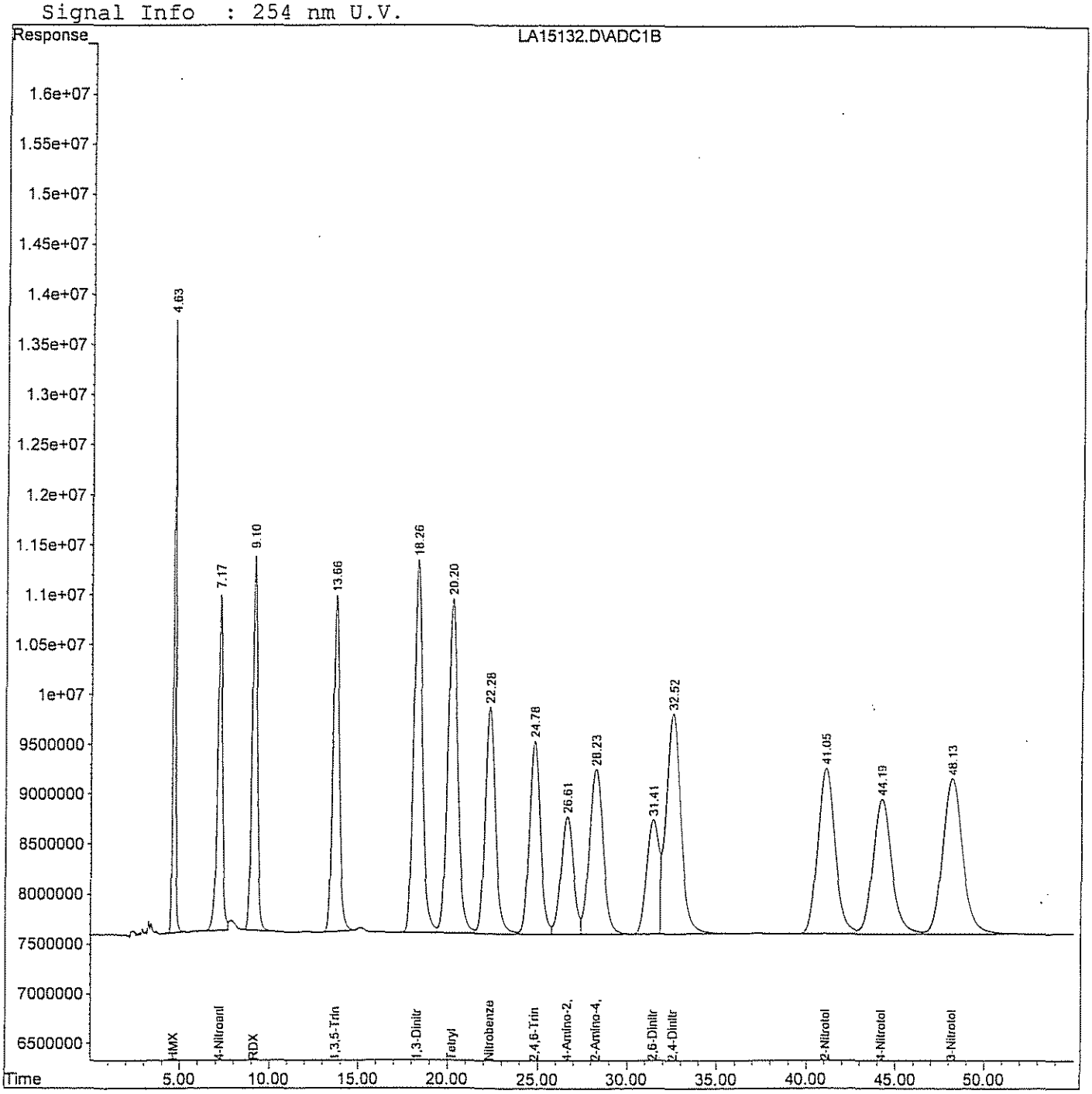
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15132.D Vial: 7
Acq On : 25 Jul 2006 1:47 am Operator: AG
Sample : 8330MIX-LEV6 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 9:59 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Evaluate Continuing Calibration Report

Data File : I:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Sep 12 09:11:13 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	T	HMX	123.272	128.417	E3	-4.2	100	0.00
3	T	1,3,5-Trinitrobenzene	347.033	317.586	E3	8.5	100	0.00
4	T	Tetryl	247.222	220.850	E3	10.7	100	0.00
5	T	2,4,6-Trinitrotoluene	341.474	387.767	E3	-13.6	100	0.00
6	T	4-Amino-2,6-Dinitrotoluene	246.017	220.102	E3	10.5	100	0.00
7	T	2,6-Dinitrotoluene	223.886	229.886	E3	-2.7	100	0.00
8	T	4-Nitrotoluene	204.473	182.991	E3	10.5	100	0.00
9	M	RDX	164.196	150.311	E3	8.5	100	0.00
10	M	1,3-Dinitrobenzene	516.125	495.540	E3	4.0	100	0.00
11	M	Nitrobenzene	371.276	373.234	E3	-0.5	100	0.00
12	M	2-Amino-4,6-Dinitrotoluene	360.921	316.902	E3	12.2	100	0.00
13	M	2,4-Dinitrotoluene	529.845	495.713	E3	6.4	100	0.00
14	M	2-Nitrotoluene	231.221	215.472	E3	6.8	100	0.00
15	M	3-Nitrotoluene	255.063	234.881	E3	7.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 am Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:23 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
Target Compounds						
1)	T	HMX	4.64	31709492	257.232	ng/mlm
3)	T	1,3,5-Trinitrobenzene	13.68	79396556	228.787	ng/ml
4)	T	Tetryl	20.22	52172418	211.034	ng/ml
5)	T	2,4,6-Trinitrotoluene	24.79	96941841	283.892	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	26.65	53747201	218.470	ng/mlm
7)	T	2,6-Dinitrotoluene	31.42	57471600	256.701	ng/ml
8)	T	4-Nitrotoluene	44.20	45747798	223.735	ng/ml
9)	M	RDX	9.12	37577803	228.859	ng/ml
10)	M	1,3-Dinitrobenzene	18.29	123884926	240.029	ng/ml
11)	M	Nitrobenzene	22.31	93308511	251.319	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	28.27	81694969	226.351	ng/mlm
13)	M	2,4-Dinitrotoluene	32.54	123928225	233.895	ng/ml
14)	M	2-Nitrotoluene	41.05	53867995	232.972	ng/ml
15)	M	3-Nitrotoluene	48.12	58720340	230.219	ng/ml

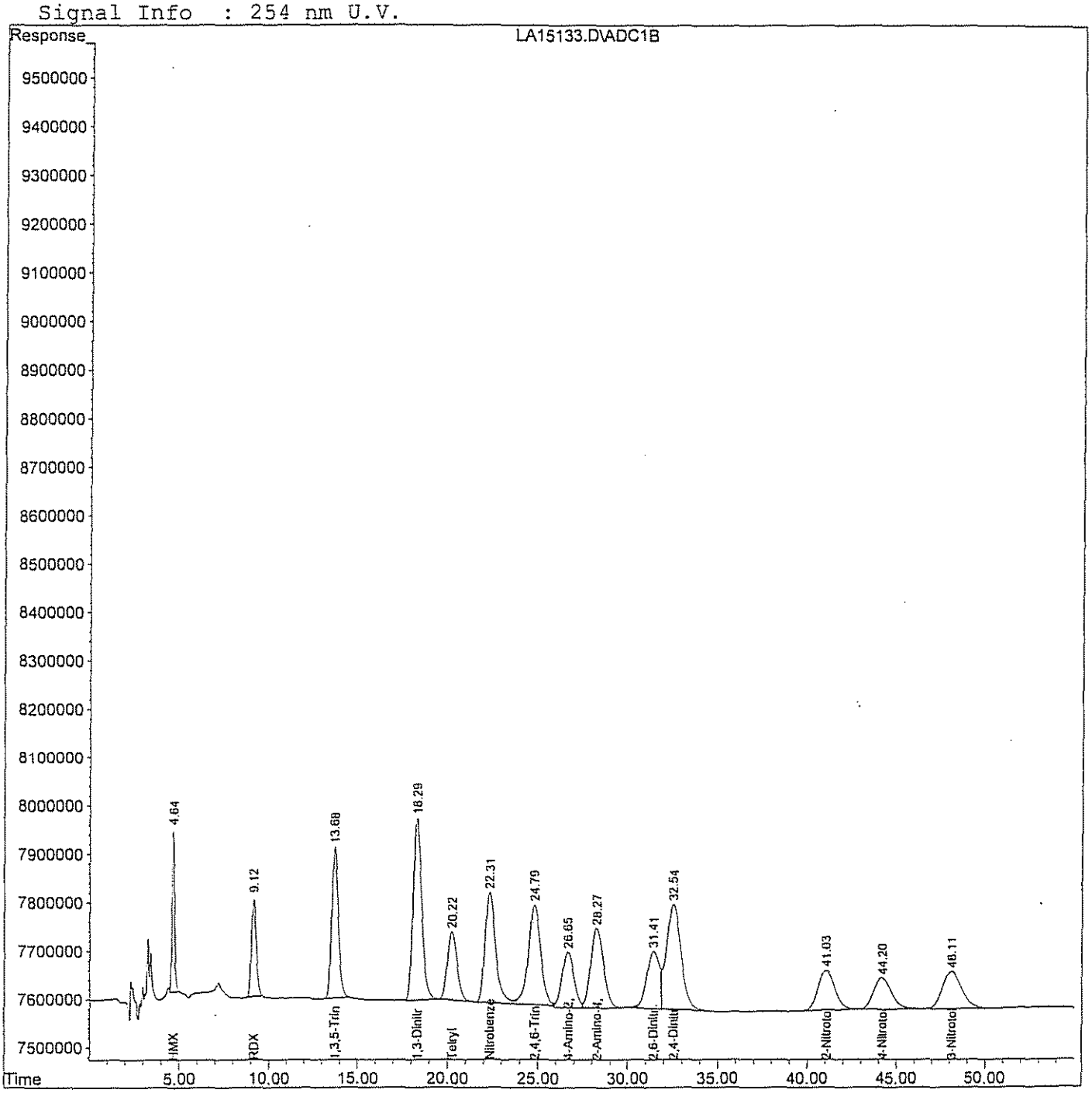
(f)=RT Delta > 1/2 Window (m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\072406\LA15133.D Vial: 8
Acq On : 25 Jul 2006 2:46 am Operator: AG
Sample : 8330MIX-ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 25 10:23 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT TYPE: LCA
COLUMN: C18 ANALYST SS
DATE: 7/24/06-7/27/06 DATE 09/14/06

COMPOUND	Retent Time 1 (LCA15145)	Retent Time 2 (LCA15168)	Retent Time 3 (LCA15187)	AVG	Stand Dev	3X Stnd Dev	Average Peak Width	RT WINDOW
4-Nitroaniline(Surr.)	7.180	7.100	7.090	7.123	0.049	0.148	0.30	0.15
HMX	4.640	4.600	4.600	4.613	0.023	0.069	0.30	0.15
1,3,5-Trinitrobenzene	13.710	13.520	13.480	13.570	0.123	0.369	0.50	0.25
Tetryl	20.310	19.900	19.800	20.003	0.270	0.811	0.70	0.35
2,4,6-Trinitrotoluene	24.860	24.420	24.330	24.537	0.284	0.851	0.80	0.40
4-ADNT	26.730	26.210	26.090	26.343	0.340	1.021	0.80	0.40
2,6-Dinitrotoluene	31.490	30.900	30.800	31.063	0.373	1.119	0.80	0.40
4-Nitrotoluene	44.300	43.390	43.270	43.653	0.563	1.690	0.90	0.45
RDX	9.130	9.010	8.990	9.043	0.076	0.227	0.40	0.20
1,3-Dinitrobenzene	18.350	18.070	18.000	18.140	0.185	0.556	0.50	0.25
Nitrobenzene	22.370	22.010	21.930	22.103	0.234	0.703	0.50	0.25
2-ADNT	28.340	27.830	27.690	27.953	0.342	1.026	0.70	0.35
2,4-Dinitrotoluene	32.610	32.010	31.910	32.177	0.379	1.136	0.60	0.30
2-Nitrotoluene	41.130	40.290	40.180	40.533	0.520	1.559	0.80	0.40
3-Nitrotoluene	48.250	47.240	47.110	47.533	0.624	1.872	0.80	0.40

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sun Sep 17 12:34:25 2006
Response via : Initial Calibration

Continuing Calibration File: LA16115.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.402	E3	-4.2	105
2	S	4-Nitroaniline	130.787	131.505	E3	-0.5	104
3	T	1,3,5-Trinitrobenzene	347.033	367.846	E3	-6.0	104
4	T	Tetryl	247.222	274.827	E3	-11.2	104
5	T	2,4,6-Trinitrotoluene	341.474	351.043	E3	-2.8	102
6	T	4-Amino-2,6-Dinitrotoluene	246.017	240.495	E3	2.2	101
7	T	2,6-Dinitrotoluene	223.886	237.681	E3	-6.2	107
8	T	4-Nitrotoluene	204.473	200.081	E3	2.1	103
9	M	RDX	164.196	155.386	E3	5.4	94
10	M	1,3-Dinitrobenzene	516.125	518.656	E3	-0.5	100
11	M	Nitrobenzene	371.276	359.568	E3	3.2	99
12	M	2-Amino-4,6-Dinitrotoluene	360.921	364.471	E3	-1.0	101
13	M	2,4-Dinitrotoluene	529.845	494.074	E3	6.8	95
14	M	2-Nitrotoluene	231.221	234.282	E3	-1.3	104
15	M	3-Nitrotoluene	255.063	251.015	E3	1.6	101

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16115.D Vial: 1
Acq On : 11 Sep 2006 20:47 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 21:47 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	7.43	65752464	502.744 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 167.58%#					
Target Compounds					
1)	T	HMX	4.75	64201171	520.808 ng/ml
3)	T	1,3,5-Trinitrobenzene	14.25	91961556	264.994 ng/ml
4)	T	Tetryl	21.48	137413376	555.829 ng/ml
5)	T	2,4,6-Trinitrotoluene	26.19	87760764	257.005 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.31	60123771	244.389 ng/ml
7)	T	2,6-Dinitrotoluene	33.33	59420128	265.404 ng/ml
8)	T	4-Nitrotoluene	46.95	100040418	489.260 ng/ml
9)	M	RDX	9.47	77693217	473.174 ng/ml
10)	M	1,3-Dinitrobenzene	19.14	129664070	251.226 ng/ml
11)	M	Nitrobenzene	23.41	89892028	242.117 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.97	91117628	252.458 ng/ml
13)	M	2,4-Dinitrotoluene	34.45	123518408	233.122 ng/ml
14)	M	2-Nitrotoluene	43.58	117140954	506.620 ng/ml
15)	M	3-Nitrotoluene	51.14	125507351	492.064 ng/ml

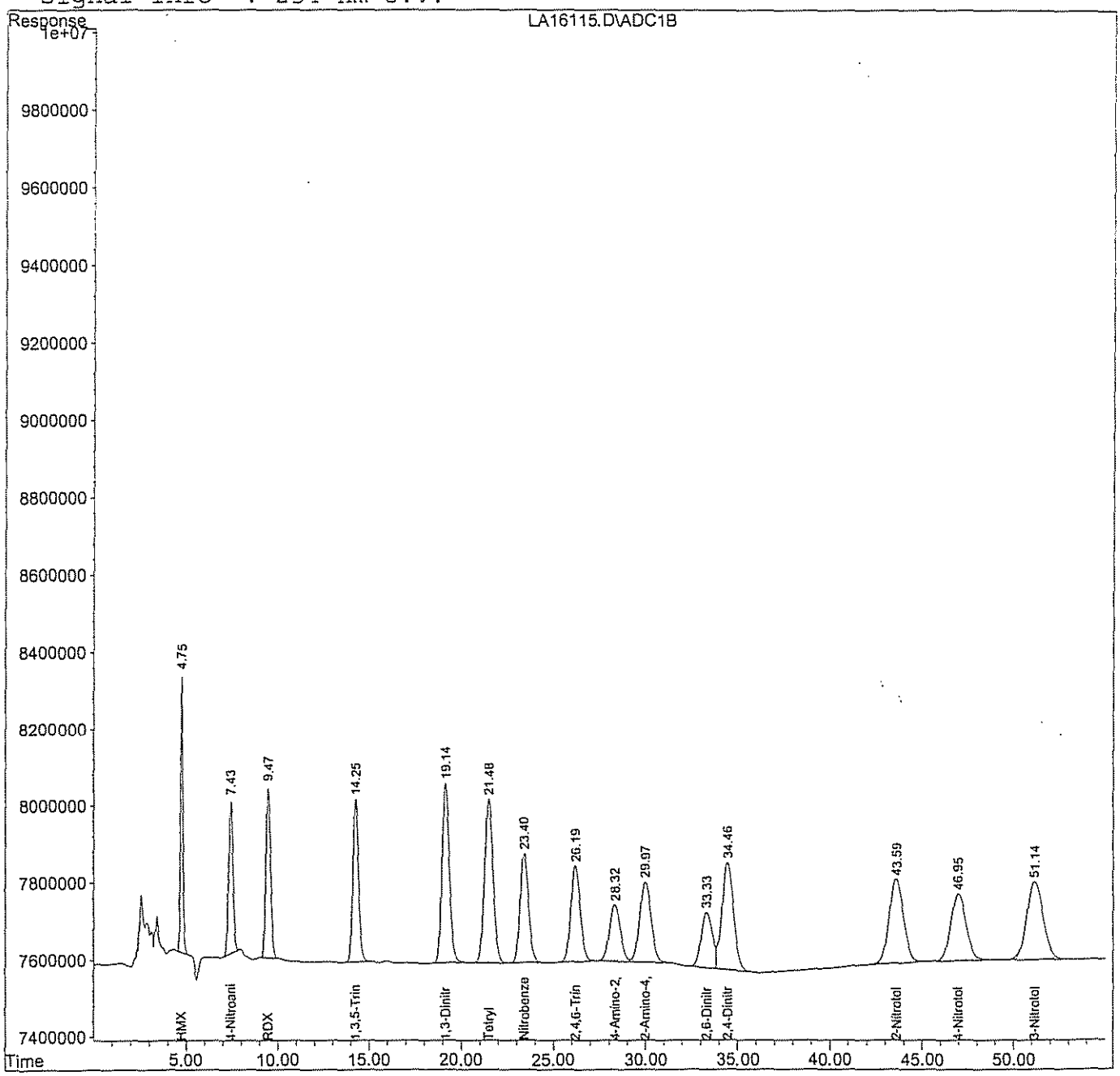
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16115.D Vial: 1
Acq On : 11 Sep 2006 20:47 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 21:47 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sun Sep 17 12:34:33 2006
Response via : Initial Calibration

Continuing Calibration File: LA16128.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.008	E3	-3.8	105
2	S	4-Nitroaniline	130.787	132.793	E3	-1.5	105
3	T	1,3,5-Trinitrobenzene	347.033	369.071	E3	-6.4	104
4	T	Tetryl	247.222	276.543	E3	-11.9	105
5	T	2,4,6-Trinitrotoluene	341.474	352.302	E3	-3.2	102
6	T	4-Amino-2,6-Dinitrotoluene	246.017	241.006	E3	2.0	102
7	T	2,6-Dinitrotoluene	223.886	244.224	E3	-9.1	110
8	T	4-Nitrotoluene	204.473	234.026	E3	-14.5	120
9	M	RDX	164.196	162.480	E3	1.0	99
10	M	1,3-Dinitrobenzene	516.125	523.001	E3	-1.3	101
11	M	Nitrobenzene	371.276	362.907	E3	2.3	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	364.994	E3	-1.1	101
13	M	2,4-Dinitrotoluene	529.845	520.747	E3	1.7	100
14	M	2-Nitrotoluene	231.221	232.053	E3	-0.4	103
15	M	3-Nitrotoluene	255.063	235.729	E3	7.6	95

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16128.D Vial: 14
Acq On : 12 Sep 2006 9:50 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:16 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.43	66396474	507.668	ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 169.22%#						
Target Compounds						
1)	T	HMX	4.75	64004204	519.210	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.25	92267691	265.876	ng/ml
4)	T	Tetryl	21.48	138271397	559.299	ng/ml
5)	T	2,4,6-Trinitrotoluene	26.19	88075498	257.927	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.31	60251618	244.909	ng/ml
7)	T	2,6-Dinitrotoluene	33.33	61055888	272.710	ng/ml
8)	T	4-Nitrotoluene	46.93	117013029	572.266	ng/mlm
9)	M	RDX	9.47	81239784	494.773	ng/ml
10)	M	1,3-Dinitrobenzene	19.14	130750333	253.331	ng/ml
11)	M	Nitrobenzene	23.41	90726657	244.365	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	29.97	91248418	252.821	ng/ml
13)	M	2,4-Dinitrotoluene	34.46	130186726	245.707	ng/ml
14)	M	2-Nitrotoluene	43.56	116026585	501.800	ng/ml
15)	M	3-Nitrotoluene	51.08	117864352	462.099	ng/ml

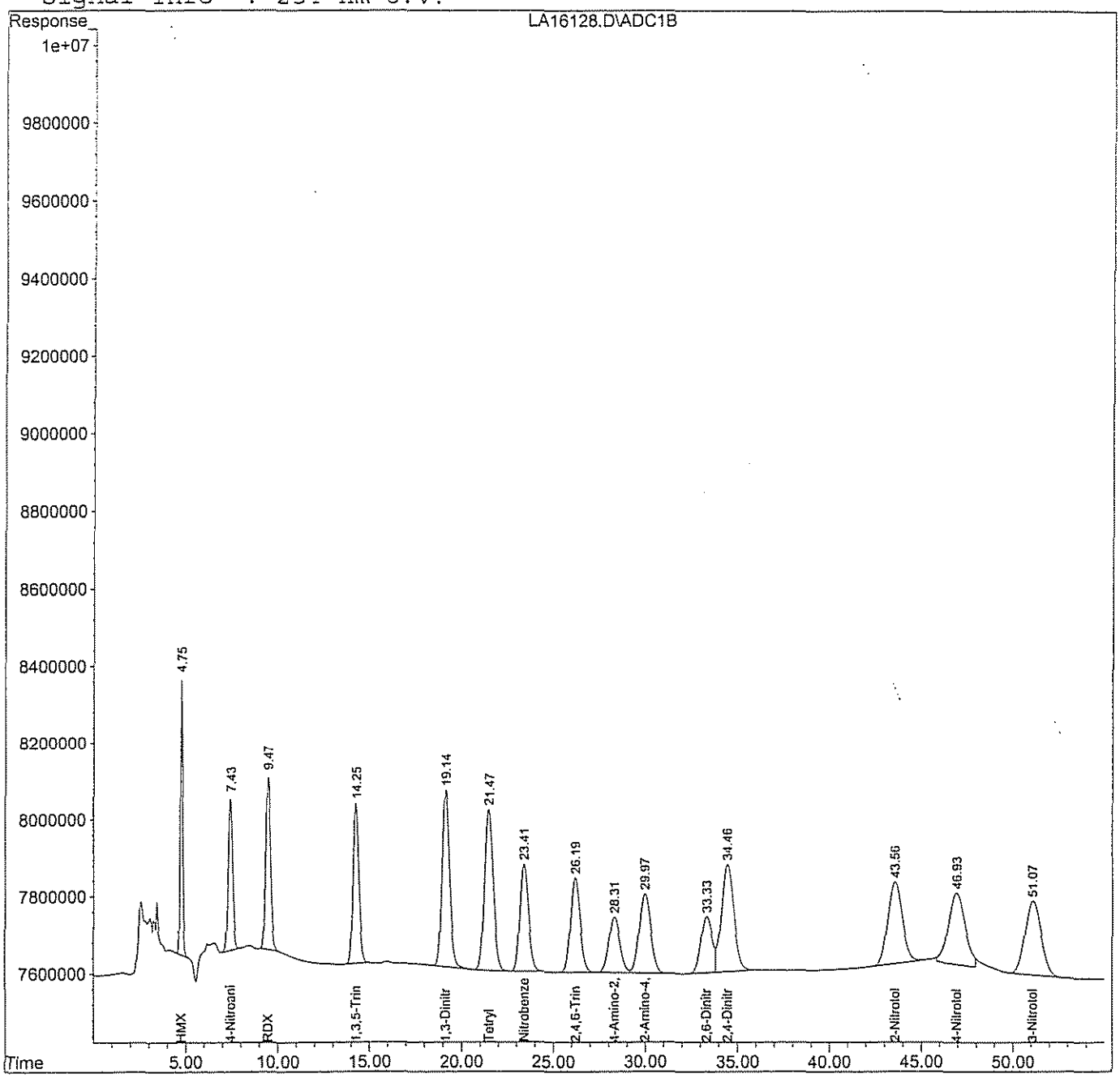
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16128.D Vial: 14
Acq On : 12 Sep 2006 9:50 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:16 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Sun Sep 17 12:34:42 2006
Response via : Initial Calibration

Continuing Calibration File: LA16141.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	123.272	128.381	E3	-4.1	105
2	S	4-Nitroaniline	130.787	129.207	E3	1.2	102
3	T	1,3,5-Trinitrobenzene	347.033	372.594	E3	-7.4	105
4	T	Tetryl	247.222	277.366	E3	-12.2	105
5	T	2,4,6-Trinitrotoluene	341.474	352.975	E3	-3.4	102
6	T	4-Amino-2,6-Dinitrotoluene	246.017	242.067	E3	1.6	102
7	T	2,6-Dinitrotoluene	223.886	244.867	E3	-9.4	110
8	T	4-Nitrotoluene	204.473	200.319	E3	2.0	103
9	M	RDX	164.196	161.432	E3	1.7	98
10	M	1,3-Dinitrobenzene	516.125	522.165	E3	-1.2	101
11	M	Nitrobenzene	371.276	362.810	E3	2.3	100
12	M	2-Amino-4,6-Dinitrotoluene	360.921	366.086	E3	-1.4	102
13	M	2,4-Dinitrotoluene	529.845	517.068	E3	2.4	99
14	M	2-Nitrotoluene	231.221	233.741	E3	-1.1	103
15	M	3-Nitrotoluene	255.063	252.281	E3	1.1	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16141.D Vial: 27
Acq On : 12 Sep 2006 22:44 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:51 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	7.44	64603657	493.960	ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 164.65%#						
Target Compounds						
1)	T	HMX	4.76	64190386	520.721	ng/ml
3)	T	1,3,5-Trinitrobenzene	14.27	93148563	268.414	ng/ml
4)	T	Tetryl	21.52	138682832	560.964	ng/ml
5)	T	2,4,6-Trinitrotoluene	26.24	88243805	258.420	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	28.39	60516713	245.986	ng/ml
7)	T	2,6-Dinitrotoluene	33.40	61216763	273.429	ng/ml
8)	T	4-Nitrotoluene	47.01	100159411	489.842	ng/ml
9)	M	RDX	9.48	80716113	491.584	ng/ml
10)	M	1,3-Dinitrobenzene	19.17	130541215	252.926	ng/ml
11)	M	Nitrobenzene	23.45	90702592	244.300	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	30.05	91521577	253.578	ng/ml
13)	M	2,4-Dinitrotoluene	34.53	129267072	243.972	ng/ml
14)	M	2-Nitrotoluene	43.64	116870366	505.450	ng/ml
15)	M	3-Nitrotoluene	51.19	126140327	494.545	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

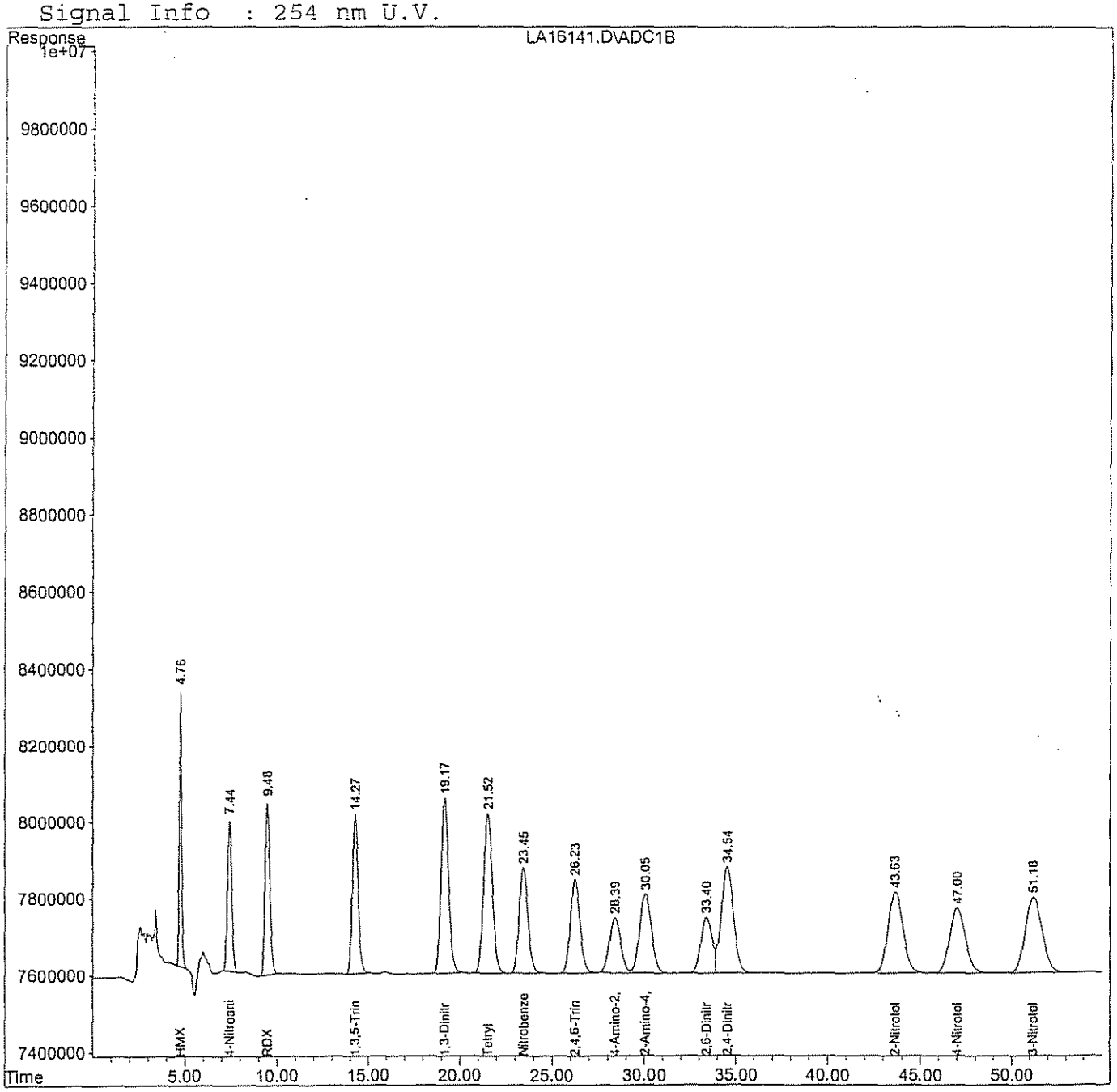
Camp Adair/Adair AFS F10OR002RPT01.09_0504_a 200-1e 650

Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16141.D Vial: 27
Acq On : 12 Sep 2006 22:44 Operator: AG
Sample : 8330MIX Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:51 2006 Quant Results File: 67258330.RES

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Response Factor Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005

Calibration Files
LEV1 =LA14360.D LEV2 =LA14361.D LEV3 =LA14362.D
LEV4 =LA14363.D LEV5 =LA14364.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg		%RSD
1)	S	4-NITROANILINE	1.449	1.256	1.170	1.118	1.136	1.226	E5	11.05
2)	M	NITROGLYCERINE	1.594	1.775	1.828	1.696	1.909	1.760	E6	6.88

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14359.D Vial: 1
Acq On : 7 Jun 2006 11:49 Operator: SS
Sample : 8330NG-BLK Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:55 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	0.00	0	N.D. PPB
Spiked Amount 300.000		Recovery =	0.00%
Target Compounds			
2) M NITROGLYCERINE	0.00	0	N.D. PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

Thu Jun 08 10:11:00 2006 Page 1

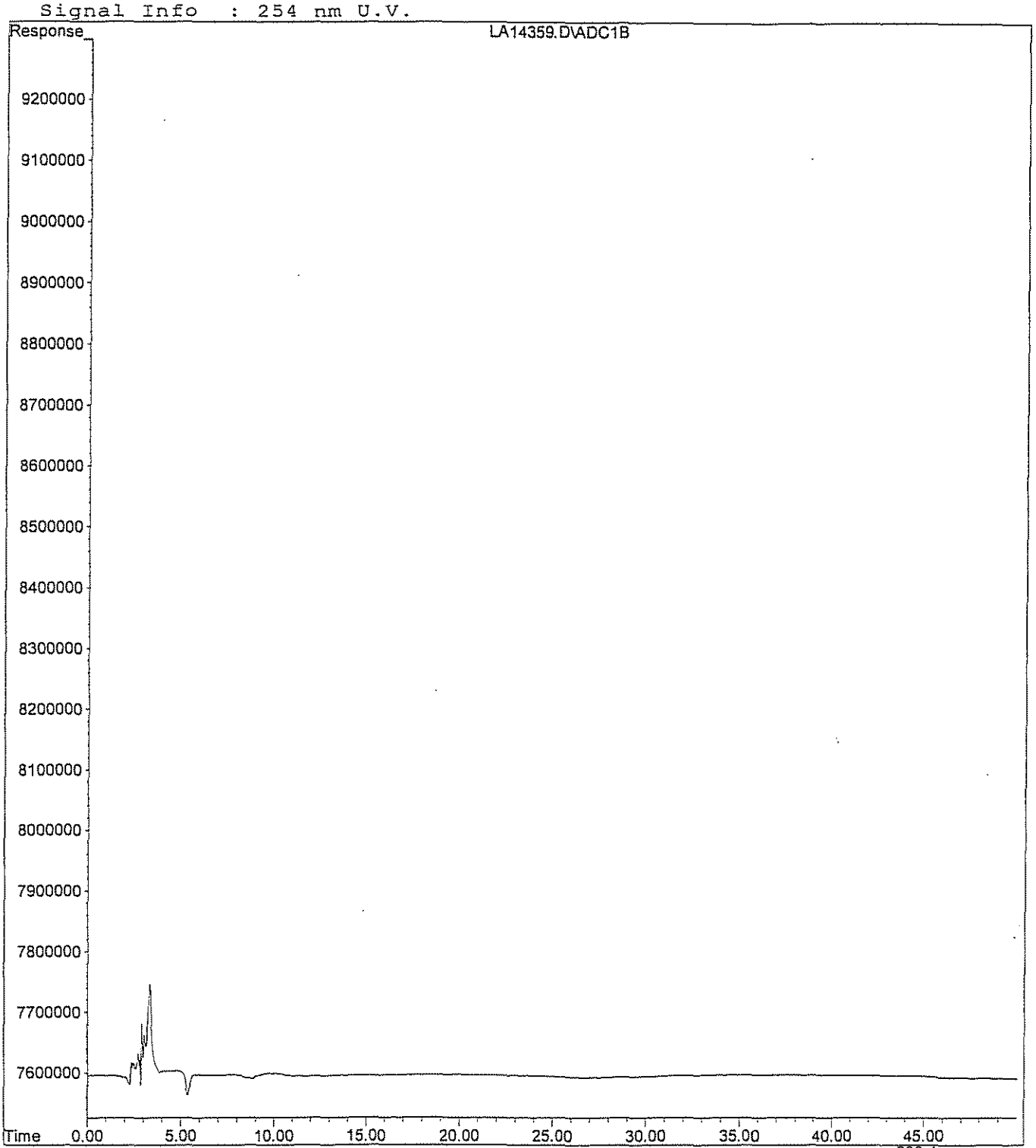
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14359.D
Acq On : 7 Jun 2006 11:49
Sample : 8330NG-BLK
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:55 2006 Quant Results File: 60607NG.RES

Vial: 1
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14360.D Vial: 2
Acq On : 7 Jun 2006 12:44 Operator: SS
Sample : 8330NG- LEV 1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	6.99	3622306	27.379	PPB	m
Spiked Amount 300.000		Recovery =	9.13%		
Target Compounds					
2) M NITROGLYCERINE	21.44	1593800	0.897	PPM	m

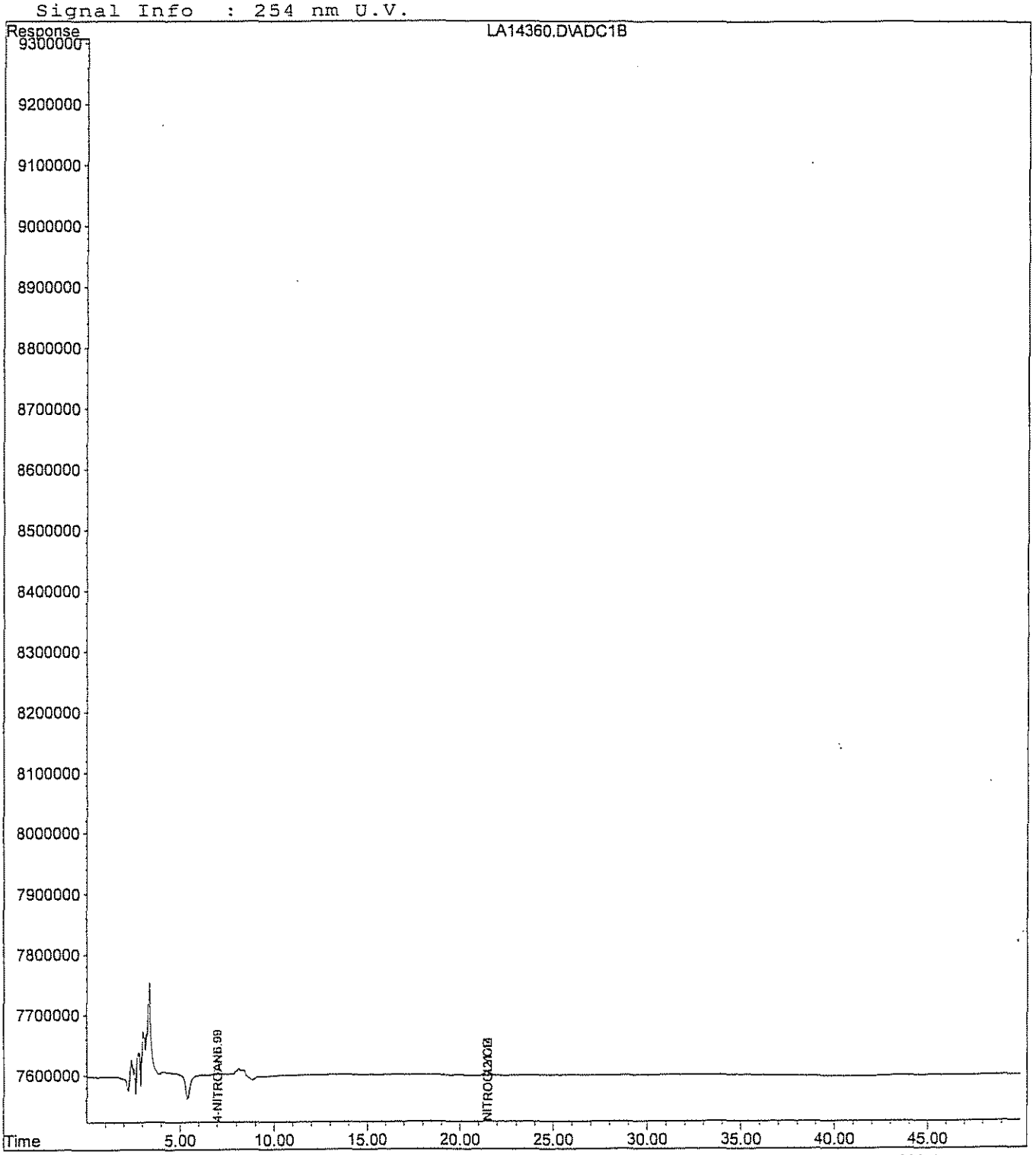
(f)=RT Delta > 1/2 Window
(m)=manual int

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14360.D Vial: 2
Acq On : 7 Jun 2006 12:44 Operator: SS
Sample : 8330NG- LEV 1 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14361.D Vial: 3
Acq On : 7 Jun 2006 13:38 Operator: SS
Sample : 8330NG- LEV 2 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	15700448	116.384 PPB
Spiked Amount 300.000		Recovery =	38.79%
Target Compounds			
2) M NITROGLYCERINE	21.44	8873539	5.090 PPM m

(f)=RT Delta > 1/2 Window (m)=manual int.

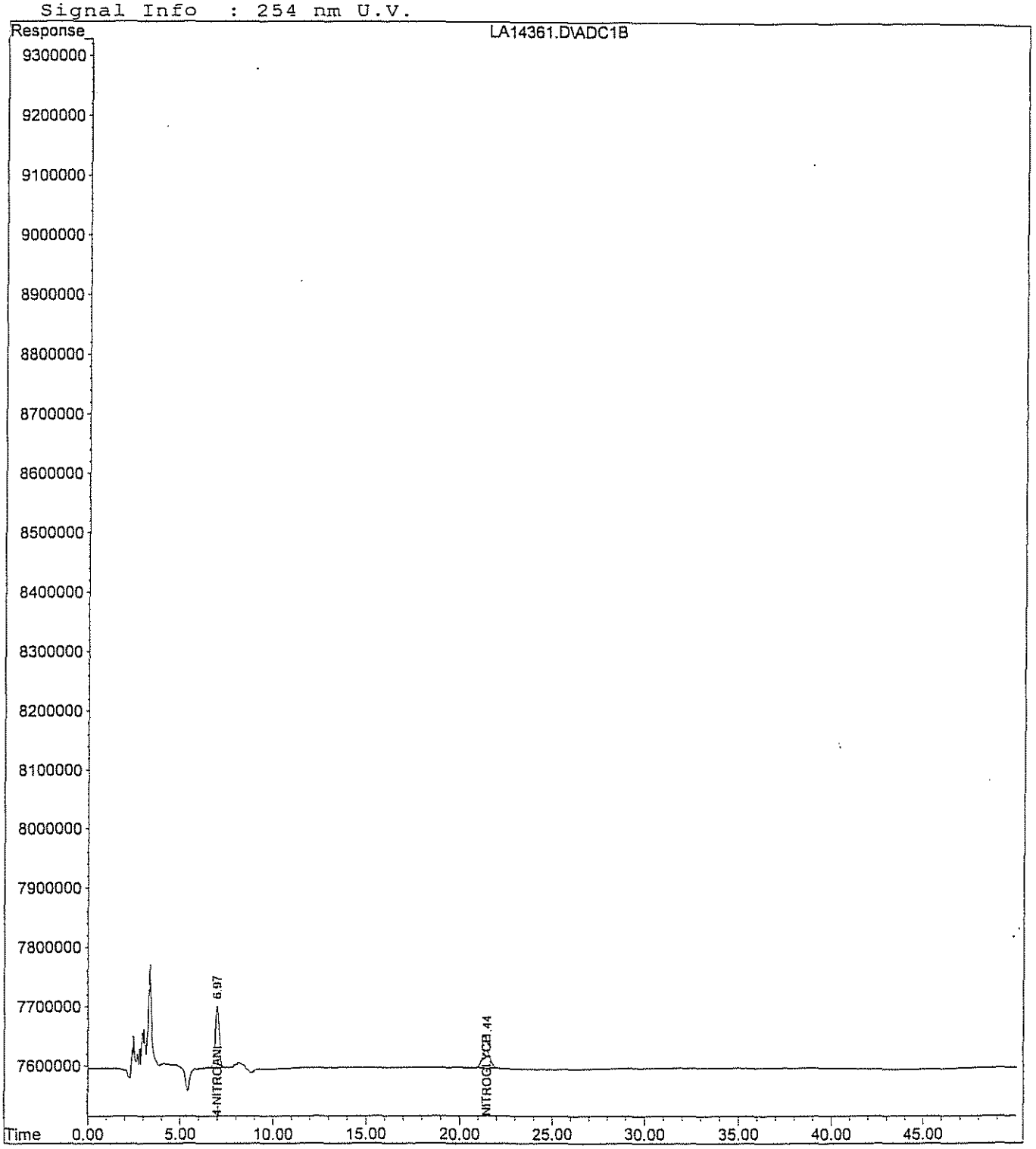
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14361.D
Acq On : 7 Jun 2006 13:38
Sample : 8330NG- LEV 2
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Vial: 3
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14362.D
Acq On : 7 Jun 2006 14:33
Sample : 8330NG- LEV 3
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:54 2006 Quant Results File: 60607NG.RES

Vial: 4
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	29257975	211.980 PPB
Spiked Amount 300.000		Recovery =	70.66%
Target Compounds			
2) M NITROGLYCERINE	21.42	18282386	10.307 PPM

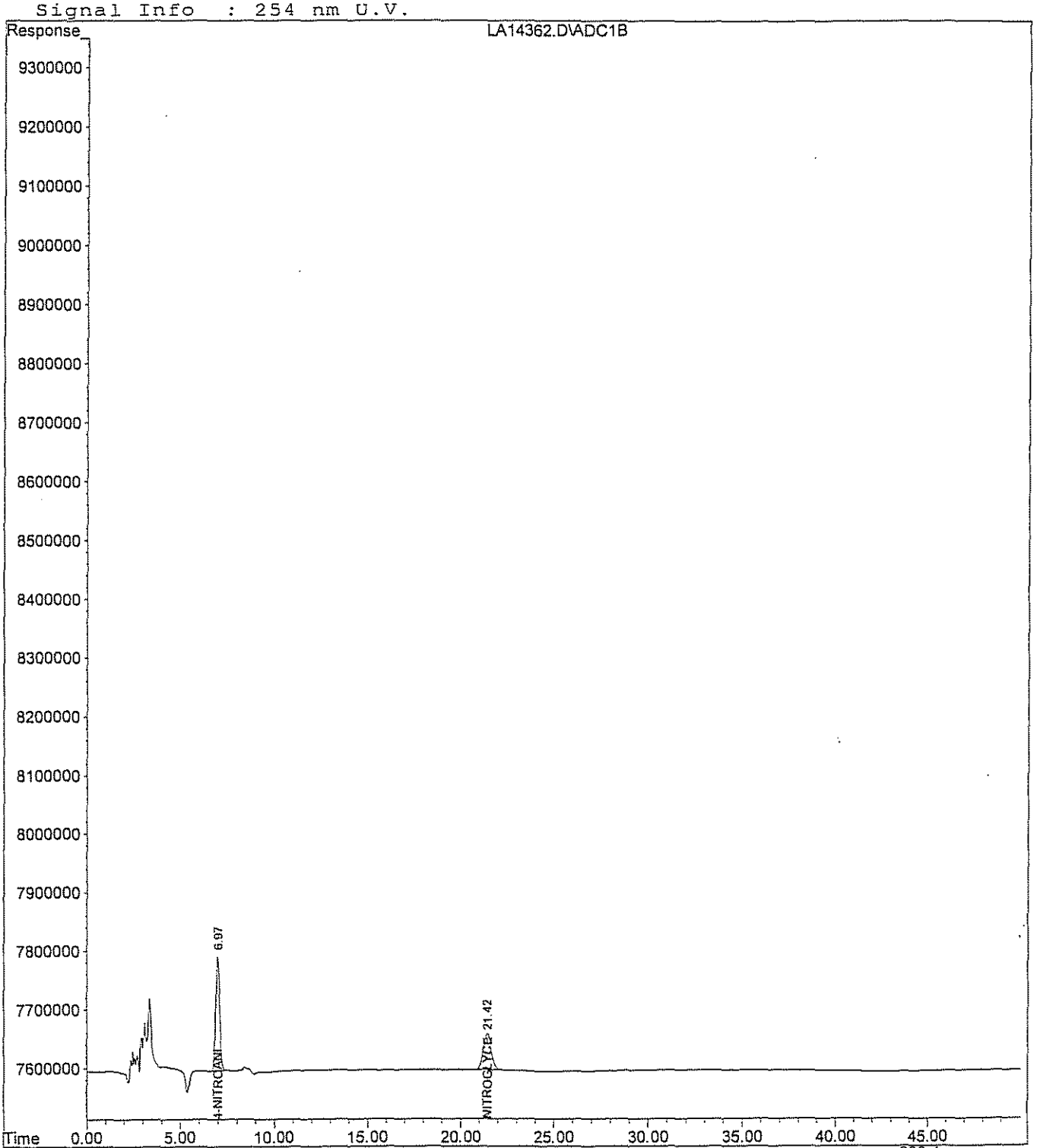
(f)=RT Delta > 1/2 Window

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14362.D Vial: 4
Acq On : 7 Jun 2006 14:33 Operator: SS
Sample : 8330NG- LEV 3 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:54 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14363.D Vial: 5
Acq On : 7 Jun 2006 15:27 Operator: SS
Sample : 8330NG- LEV 4 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.98	55922720	423.669 PPB
Spiked Amount 300.000		Recovery =	141.22%
Target Compounds			
2) M NITROGLYCERINE	21.41	33914195	19.489 PPM

Camp Adair/Adair AFS
200-1e
F10OR002908_01.09_0504_a
661

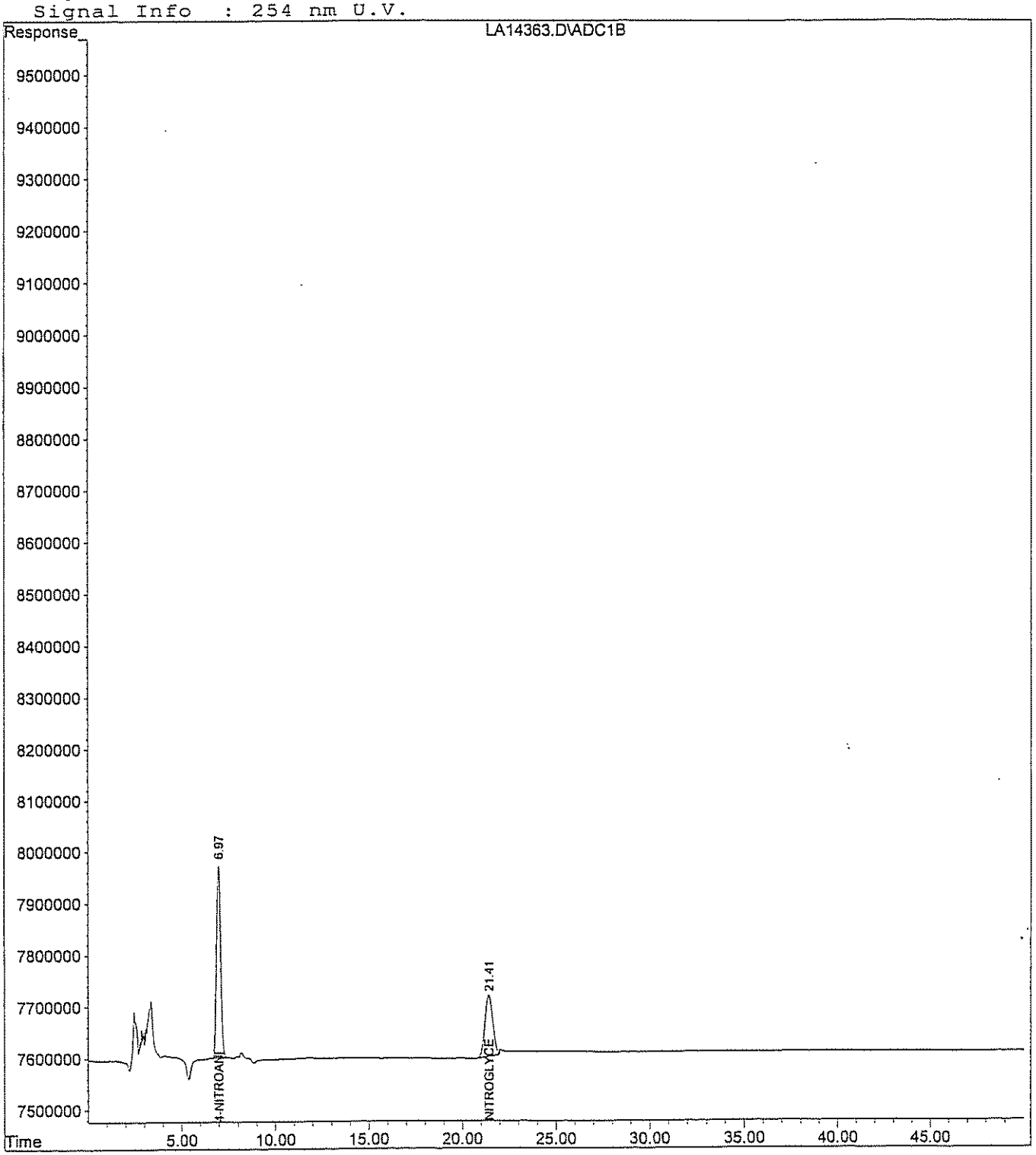
Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14363.D
Acq On : 7 Jun 2006 15:27
Sample : 8330NG- LEV 4
Misc : C CAL
IntFile : events.e
Quant Time: Jun 8 9:56 2006 Quant Results File: 60607NG.RES

Vial: 5
Operator: SS
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Camp Adair/Adair AFS 200-1e F10OR002908_01.09_0504_a 662

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14364.D Vial: 6
Acq On : 7 Jun 2006 17:31 Operator: SS
Sample : 8330NG- LEV 5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:57 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.97	141957833	1116.848 PPB
Spiked Amount 300.000		Recovery =	372.28%
Target Compounds			
2) M NITROGLYCERINE	21.39	95433920	55.439 PPM

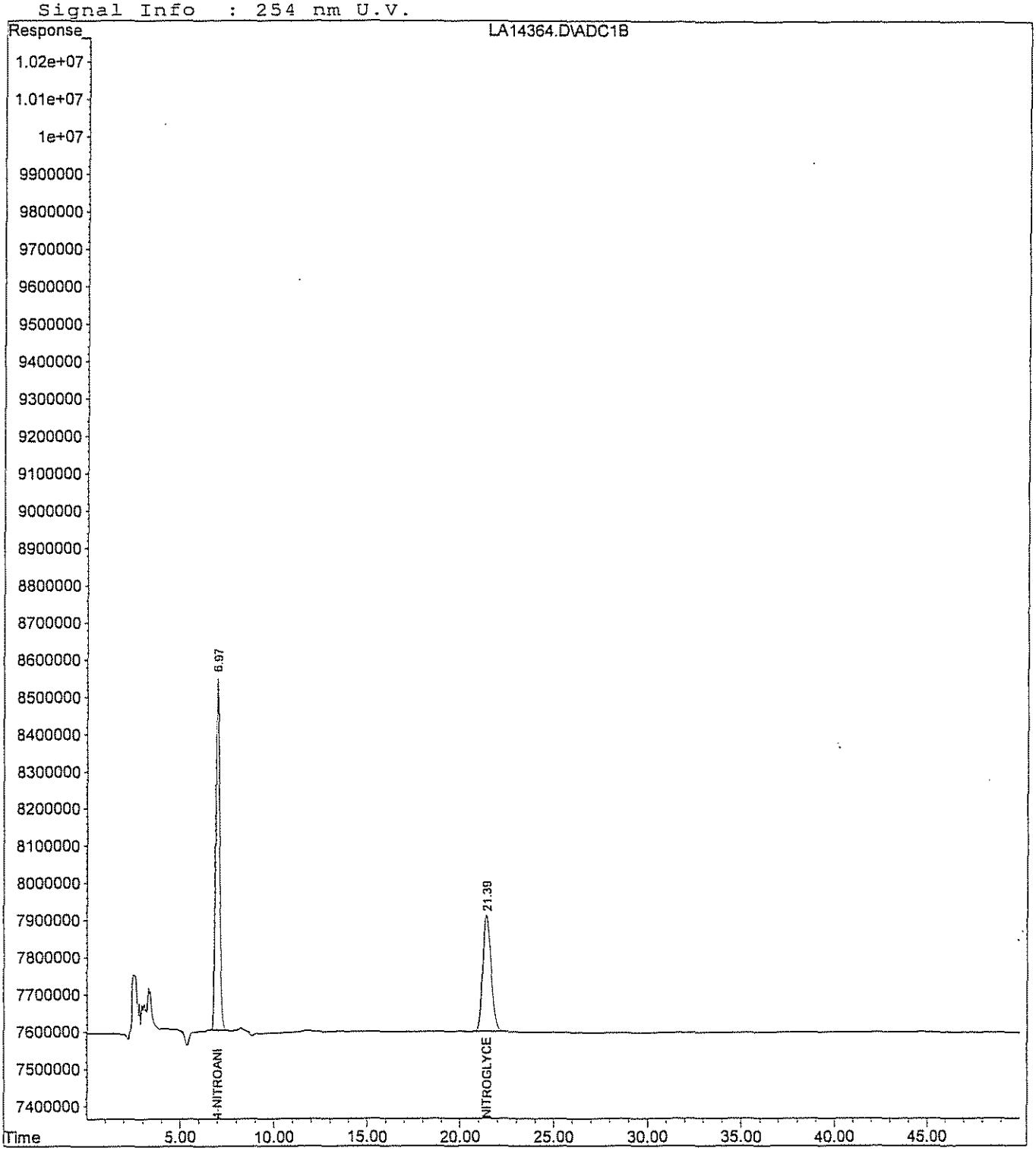
Camp Adair/Adair AFS
F100R002908_01-09_0504-1 200-1e . 663

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14364.D Vial: 6
Acq On : 7 Jun 2006 17:31 Operator: SS
Sample : 8330NG- LEV 5 Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:57 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Evaluate Continuing Calibration Report

Data File : I:\LCDATA\LCA\060706\LA14365.D Vial: 7
Acq On : 7 Jun 2006 18:26 Operator: SS
Sample : 8330NG- ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Thu Sep 14 16:55:21 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	4-NITROANILINE	122.588	115.036 E3	6.2	97	-0.40
2	M	NITROGLYCERINE	1.760	1.894 E6	-7.6	96	-1.94#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\060706\LA14365.D Vial: 7
Acq On : 7 Jun 2006 18:26 Operator: SS
Sample : 8330NG- ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:58 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	6.98	28759051	234.599 PPB m
Spiked Amount 300.000		Recovery =	78.20%
Target Compounds			
2) M NITROGLYCERINE	21.41	18939480	10.760 PPM

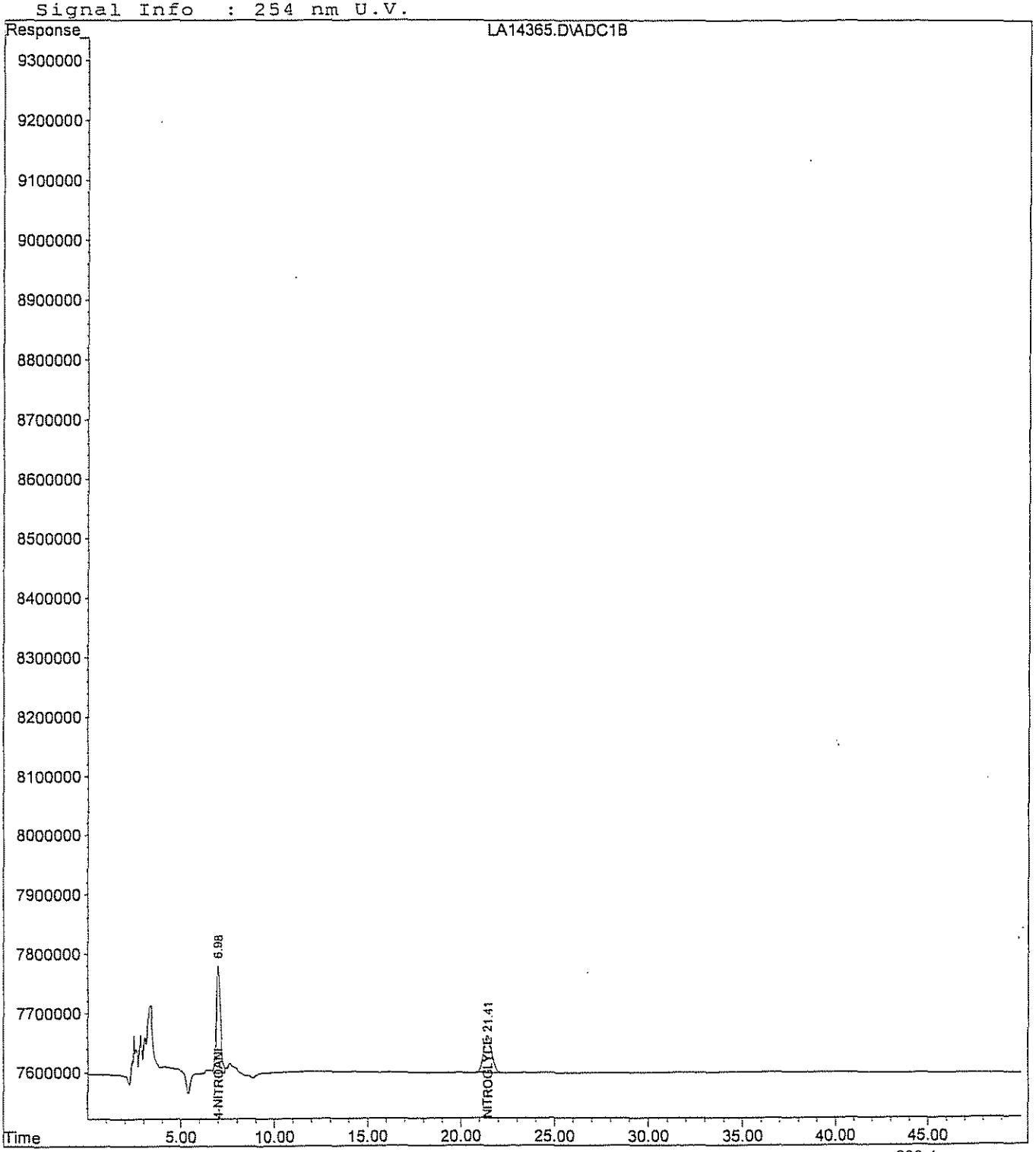
(f)=RT Manual Adair/Adair AFS Window (m)=manual integ.

Quantitation Report

Data File : H:\LCDATA\LCA\060706\LA14365.D Vial: 7
Acq On : 7 Jun 2006 18:26 Operator: SS
Sample : 8330NG- ICV Inst : LCA
Misc : C CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 8 9:58 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Camp Adair/Adair AFS
200-1e
F10OR002908_01.09_0504_a
667

8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT: LCA CA14453 LCA1447 CA14495
COLUMN: C8 ANALYST SS
DATE: 06/19/2006-06/21/2006

COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std De	Avg PW	RT Window
4-Nitroaniline(Surr.)	7.09	7.07	7.07	0.31	7.09	0.30	7.083	0.035	2.56	1.28
Nitroglycerine	21.92	21.96	21.96	0.51	21.98	0.53	21.953	0.092	7.67	3.83

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sun Sep 17 12:34:58 2006
Response via : Initial Calibration

Continuing Calibration File: LA16116.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	131.664	E3	-7.4	113
2	M	NITROGLYCERINE	1.760	1.773	E6	-0.7	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16116.D Vial: 2
Acq On : 11 Sep 2006 21:56 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 22:48 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.43	32916013	268.510 PPB
Spiked Amount 300.000		Recovery =	89.50%
Target Compounds			
2) M NITROGLYCERINE	23.63	17725416	10.070 PPM

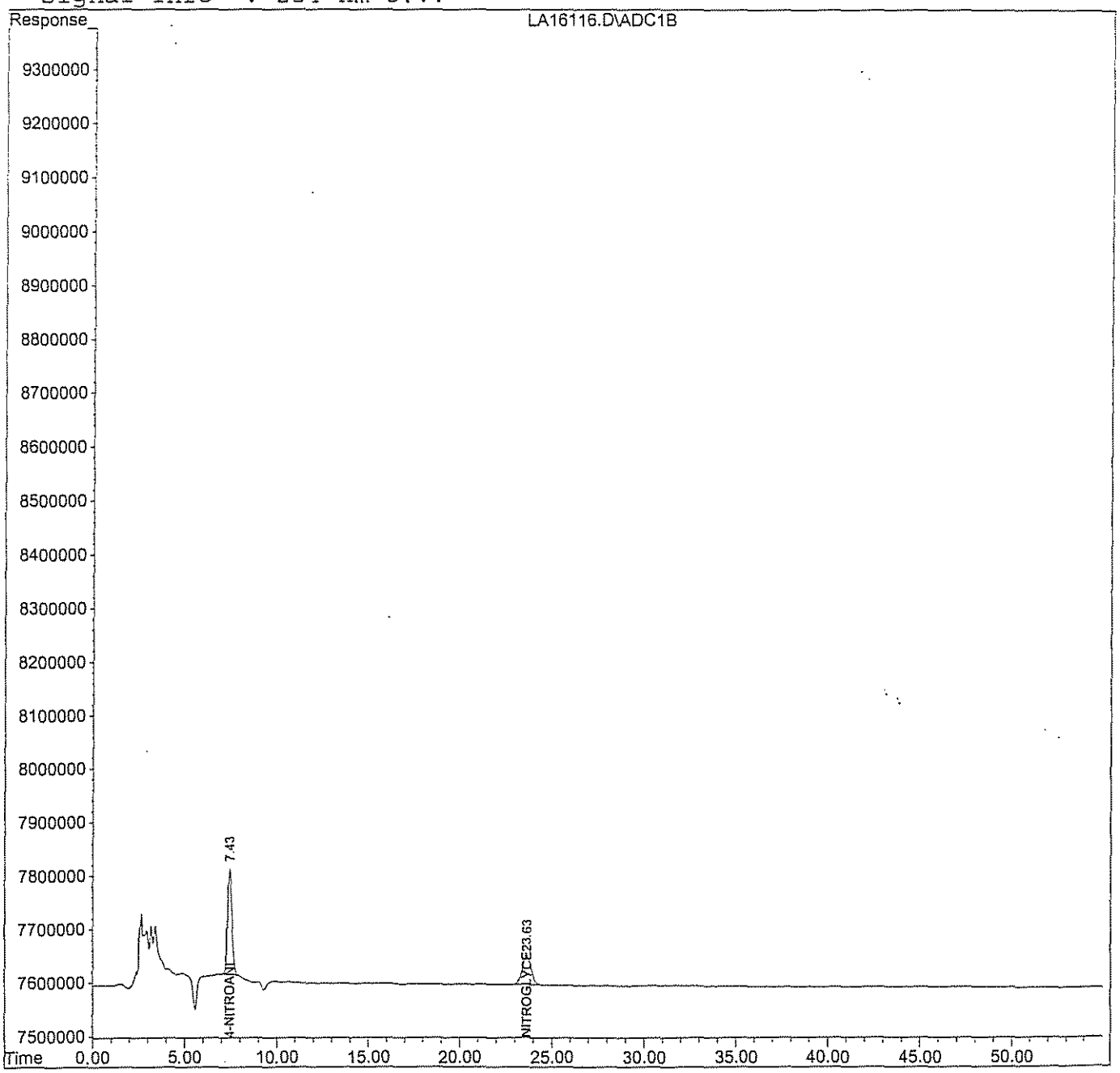
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16116.D Vial: 2
Acq On : 11 Sep 2006 21:56 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 11 22:48 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sun Sep 17 12:35:07 2006
Response via : Initial Calibration

Continuing Calibration File: LA16129.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%
1 S	4-NITROANILINE	122.588	122.117	E3	0.4	104
2 M	NITROGLYCERINE	1.760	1.781	E6	-1.2	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16129.D Vial: 15
Acq On : 12 Sep 2006 10:50 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:20 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.44	30529301	249.040 PPB
Spiked Amount 300.000		Recovery =	83.01%
Target Compounds			
2) M NITROGLYCERINE	23.68	17805285	10.115 PPM

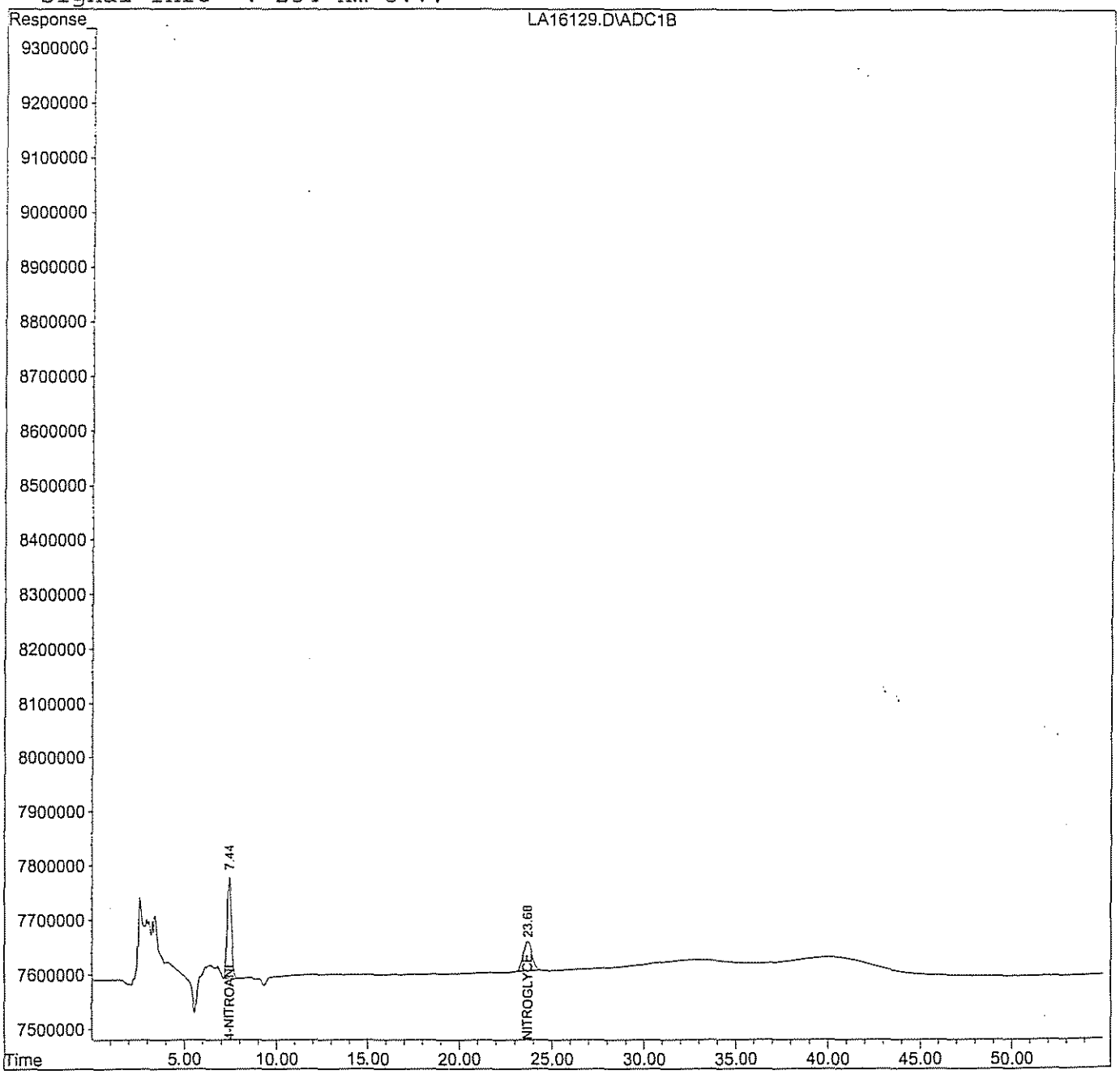
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16129.D Vial: 15
Acq On : 12 Sep 2006 10:50 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 19:20 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Continuing Calibration Report LCA

Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Sun Sep 17 12:35:14 2006
Response via : Initial Calibration

Continuing Calibration File: LA16142.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	122.588	117.164	E3	4.4	100
2	M	NITROGLYCERINE	1.760	1.863	E6	-5.8	102

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16142.D Vial: 28
Acq On : 12 Sep 2006 23:43 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.44	29290892	238.938 PPB
Spiked Amount 300.000		Recovery =	79.65%
Target Compounds			
2) M NITROGLYCERINE	23.66	18627758	10.583 PPM

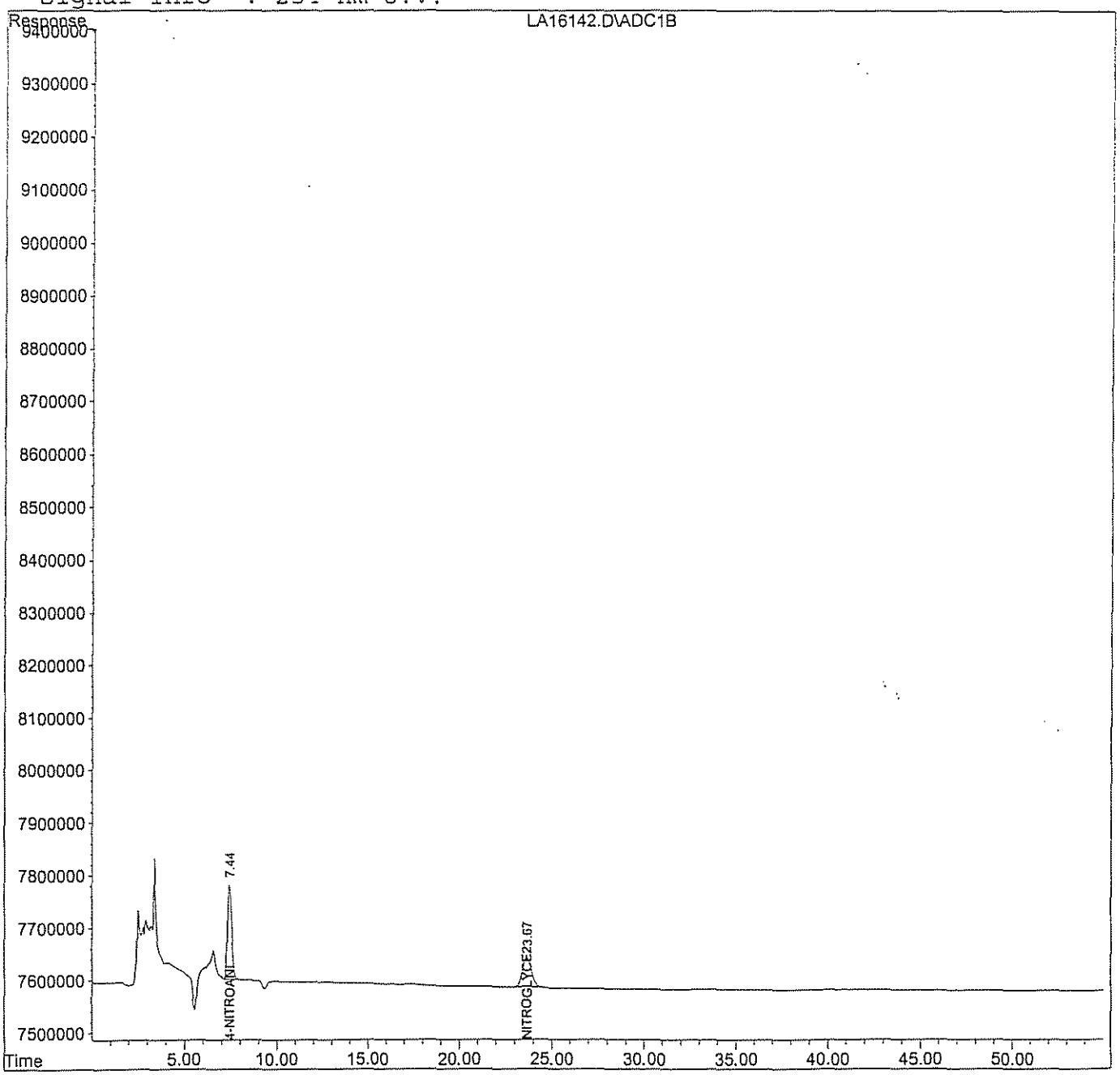
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16142.D Vial: 28
Acq On : 12 Sep 2006 23:43 Operator: AG
Sample : 8330NG Inst : LCA
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 6:53 2006 Quant Results File: 60607NG.RES

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Response Factor Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006

Calibration Files
LEV1 =LB35284.D LEV2 =LB35285.D LEV3 =LB35286.D
LEV4 =LB35287.D LEV5 =LB35288.D LEV6 =LB35289.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	LEV6	Avg		%RSD
1)	T	HMX	1.654	1.243	1.362	1.300	1.285	1.284	1.355	E5	11.18
2)	S	4-Nitroaniline	1.727	1.180	1.251	1.180	1.182	1.182	1.284	E5	17.06
3)	T	1,3,5-Trinitrobenze	4.853	3.315	3.594	3.494	3.425	3.496	3.696	E5	15.54
4)	T	Tetryl	3.475	2.452	2.612	2.536	2.521	2.569	2.694	E5	14.34
5)	T	2,4,6-Trinitrotolue	4.916	3.271	3.338	3.278	3.246	3.270	3.553	E5	18.81
6)	T	4-Amino-2,6-Dinitro	8.298	5.592	6.015	5.755	5.724	5.754	6.190	E5	16.84
7)	T	2,6-Dinitrotoluene	3.426	2.252	2.431	2.374	2.352	2.362	2.533	E5	17.43
8)	T	4-Nitrotoluene	3.205	2.189	2.339	2.263	2.265	2.240	2.417	E5	16.11
9)	M	RDX	2.356	1.560	1.651	1.586	1.574	1.584	1.718	E5	18.27
10)	M	1,3-Dinitrobenzene	6.939	4.698	5.040	4.912	4.875	4.863	5.221	E5	16.25
11)	M	Nitrobenzene	4.940	3.234	3.385	3.279	3.254	3.204	3.549	E5	19.27
12)	M	2-Amino-4,6-Dinitro	8.114	5.592	6.015	5.755	5.724	5.754	6.159	E5	15.71
13)	M	2,4-Dinitrotoluene	6.578	4.372	4.769	4.614	4.576	4.595	4.917	E5	16.74
14)	M	2-Nitrotoluene	2.997	2.022	2.152	2.091	2.078	2.046	2.231	E5	16.93
15)	M	3-Nitrotoluene	2.550	1.790	1.890	1.826	1.818	1.791	1.944	E5	15.38

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35283.D Vial: 1
Acq On : 30 Jul 2006 13:19 Operator: AG
Sample : BLK Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:40 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds

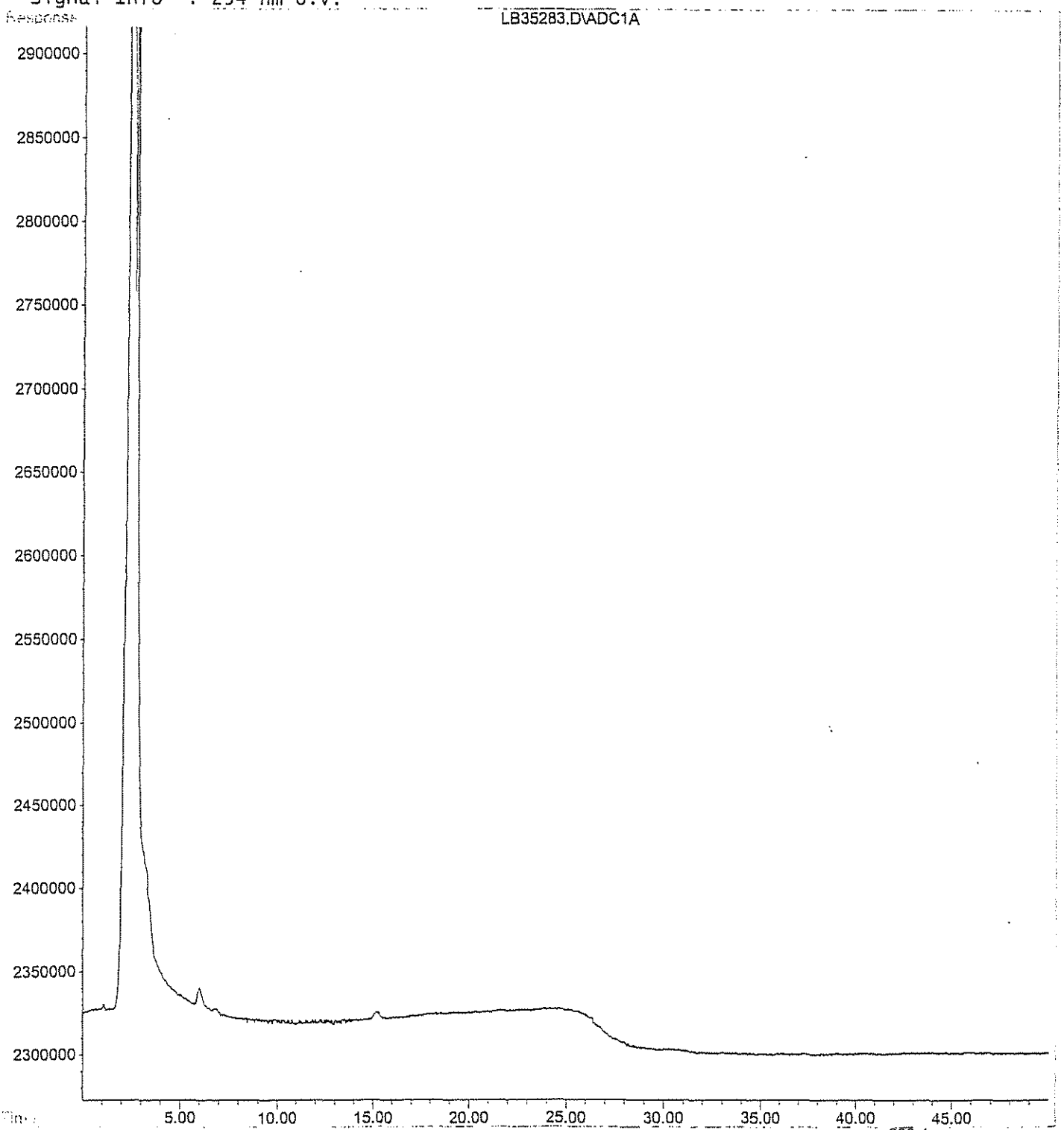
Target Compounds

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35283.D Vial: 1
Acq On : 30 Jul 2006 13:19 Operator: AG
Sample : BLK Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:40 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35284.D Vial: 2
Acq On : 30 Jul 2006 14:10 Operator: AG
Sample : 8330MIX-LEV-1 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:38 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

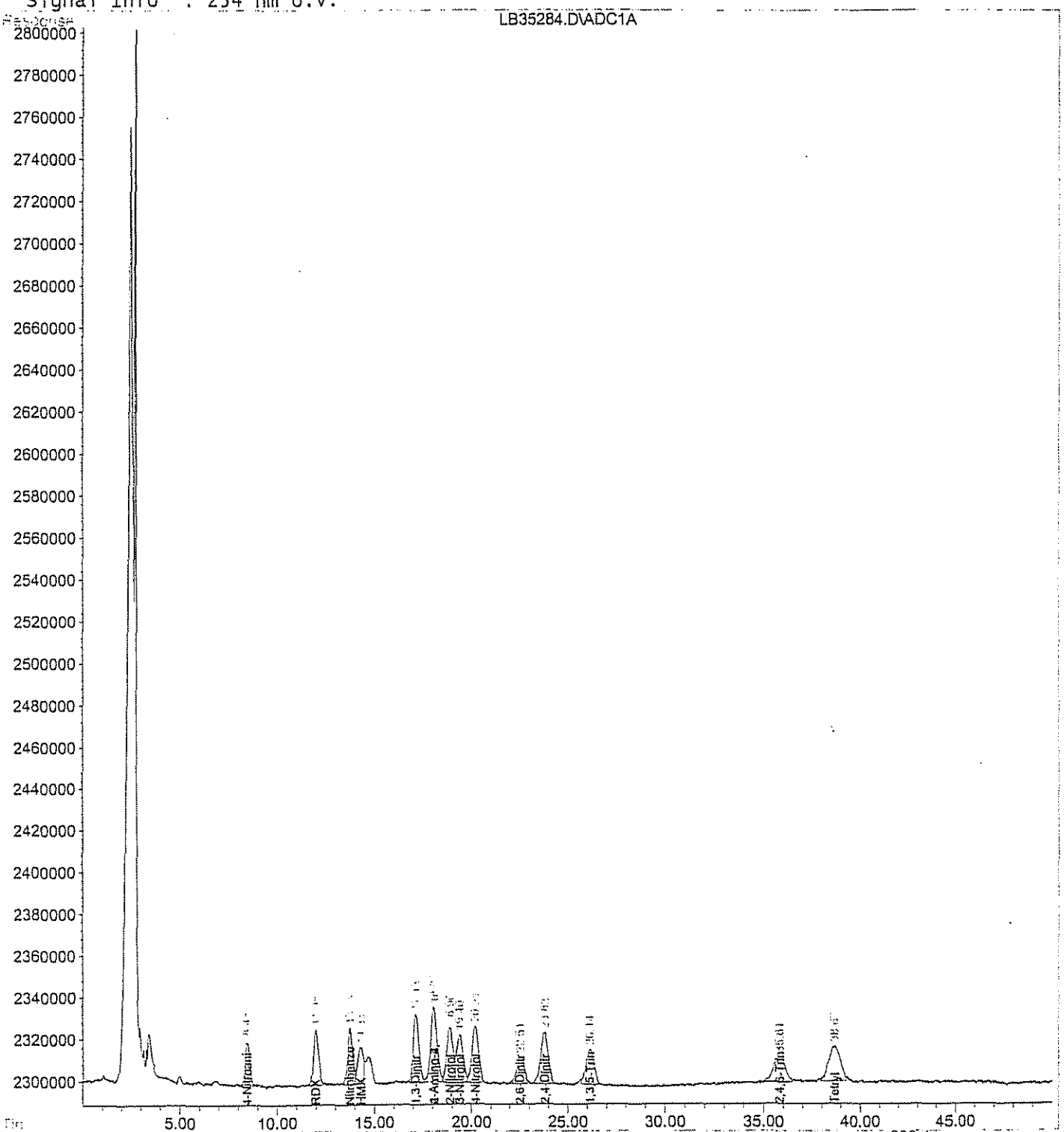
		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.45	3454727	27.307 ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery =	9.10%#
Target Compounds					
1)	T	HMX	14.33	3307845	23.843 ng/mlm
3)	T	1,3,5-Trinitrobenzene	26.14	4853393	13.172 ng/mlm
4)	T	Tetryl	38.67	6949695	26.354 ng/mlm
5)	T	2,4,6-Trinitrotoluene	35.81	4915696	13.995 ng/mlm
6)	T	4-Amino-2,6-Dinitrotoluene	18.05	8298388	13.765 ng/ml
7)	T	2,6-Dinitrotoluene	22.51	3425577	13.862 ng/mlm
8)	T	4-Nitrotoluene	20.21	6410909	26.676 ng/mlm
9)	M	RDX	11.98	4712249	27.776 ng/mlm
10)	M	1,3-Dinitrobenzene	17.13	6938890	13.511 ng/mlm
11)	M	Nitrobenzene	13.74	4939626	14.070 ng/mlm
12)	M	2-Amino-4,6-Dinitrotoluene	18.07	8114487	13.396 ng/mlm
13)	M	2,4-Dinitrotoluene	23.83	6577952	13.508 ng/mlm
14)	M	2-Nitrotoluene	18.90	5993355	27.648 ng/mlm
15)	M	3-Nitrotoluene	19.40	5099698	26.355 ng/mlm

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35284.D Vial: 2
Acq On : 30 Jul 2006 14:10 Operator: AG
Sample : 8330MIX-LEV-1 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:38 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35285.D Vial: 3
Acq On : 30 Jul 2006 15:02 Operator: AG
Sample : 8330MIX-LEV-2 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:27 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
2) S	4-Nitroaniline	8.47	11799916	91.910 ng/ml
Spiked Amount	300.000	Range 49 - 133	Recovery =	30.64%#
	Target Compounds			
1) T	HMX	14.29	12432584	89.542 ng/mlm
3) T	1,3,5-Trinitrobenzene	26.08	16572927	44.604 ng/mlm
4) T	Tetryl	38.58	24515322	90.999 ng/ml
5) T	2,4,6-Trinitrotoluene	35.72	16355774	45.637 ng/ml
6) T	4-Amino-2,6-Dinitrotoluene	18.06	27960329	45.172 ng/ml
7) T	2,6-Dinitrotoluene	22.51	11258600	43.738 ng/ml
8) T	4-Nitrotoluene	20.20	21888318	89.914 ng/ml
9) M	RDX	11.99	15601060	90.792 ng/ml
10) M	1,3-Dinitrobenzene	17.14	23491622	44.992 ng/ml
11) M	Nitrobenzene	13.75	16168454	45.555 ng/ml
12) M	2-Amino-4,6-Dinitrotoluene	18.06	27960329	45.220 ng/ml
13) M	2,4-Dinitrotoluene	23.76	21859781	44.455 ng/ml
14) M	2-Nitrotoluene	18.88	20224465	90.417 ng/mlm
15) M	3-Nitrotoluene	19.37	17899578	91.558 ng/mlm

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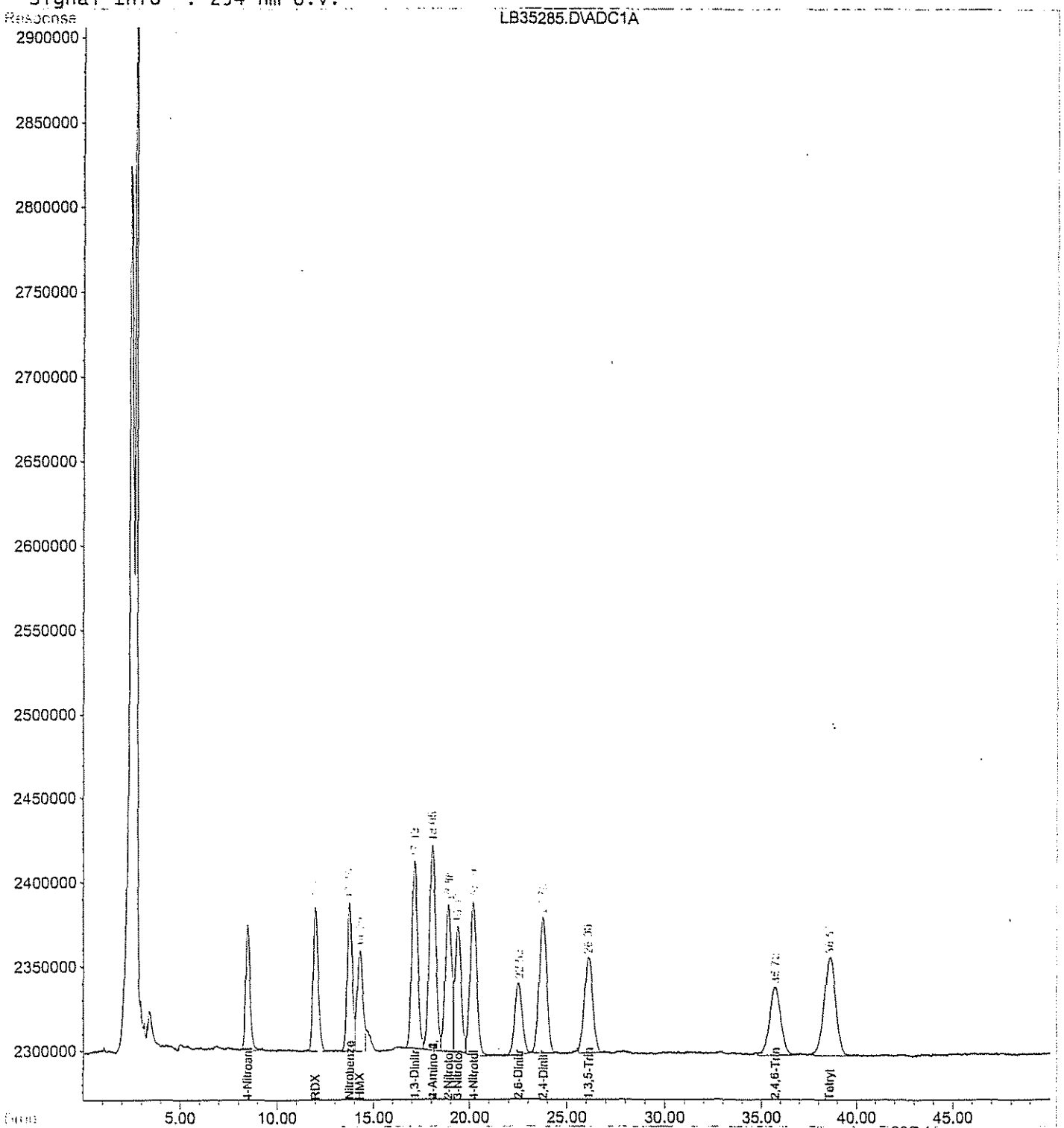
Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35285.D Vial: 3
Acq On : 30 Jul 2006 15:02 Operator: AG
Sample : 8330MIX-LEV-2 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:27 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35286.D Vial: 4
Acq On : 30 Jul 2006 15:53 Operator: AG
Sample : 8330MIX-LEV-3 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:21 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

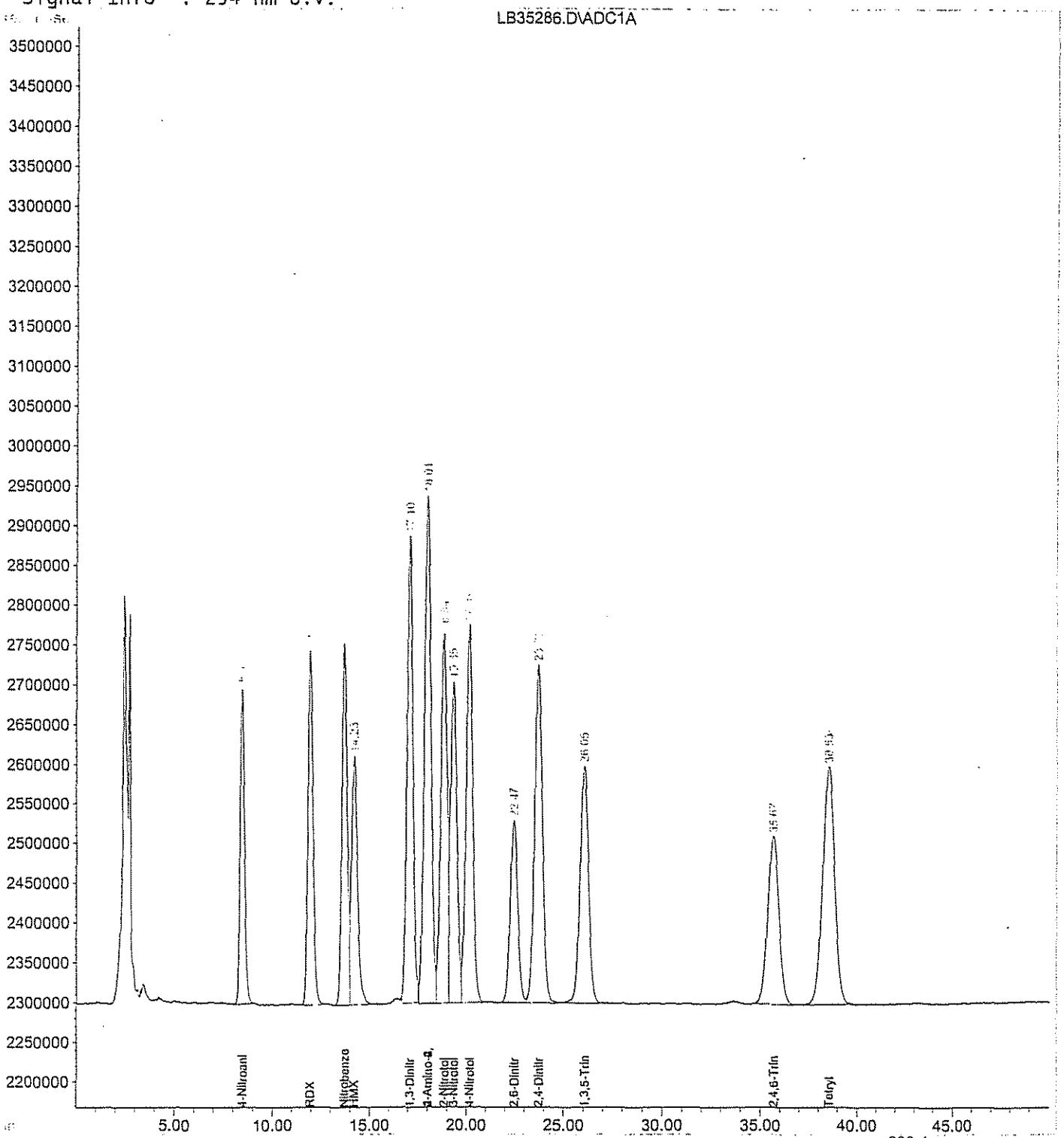
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	8.45	62552821	494.441 ng/ml
Spiked Amount 300.000 Range 49 - 133		Recovery = 164.81%#	
Target Compounds			
1) T HMX	14.23	68089560	490.785 ng/ml
3) T 1,3,5-Trinitrobenzene	26.05	89837811	243.824 ng/ml
4) T Tetryl	38.54	130614354	495.313 ng/ml
5) T 2,4,6-Trinitrotoluene	35.67	83443047	237.568 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	18.01	150387104	249.449 ng/ml
7) T 2,6-Dinitrotoluene	22.47	60765960	245.903 ng/ml
8) T 4-Nitrotoluene	20.16	116950669	486.643 ng/ml
9) M RDX	11.96	82530133	486.472 ng/ml
10) M 1,3-Dinitrobenzene	17.10	126009570	244.956 ng/mlm
11) M Nitrobenzene	13.72	84613781	241.020 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	18.01	150387104	248.263 ng/ml
13) M 2,4-Dinitrotoluene	23.72	119235636	244.850 ng/ml
14) M 2-Nitrotoluene	18.85	107580159	495.713 ng/ml
15) M 3-Nitrotoluene	19.35	94501707	488.385 ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35286.D Vial: 4
Acq On : 30 Jul 2006 15:53 Operator: AG
Sample : 8330MIX-LEV-3 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:21 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35287.D Vial: 5
Acq On : 30 Jul 2006 16:44 Operator: AG
Sample : 8330MIX-LEV-4 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:28 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

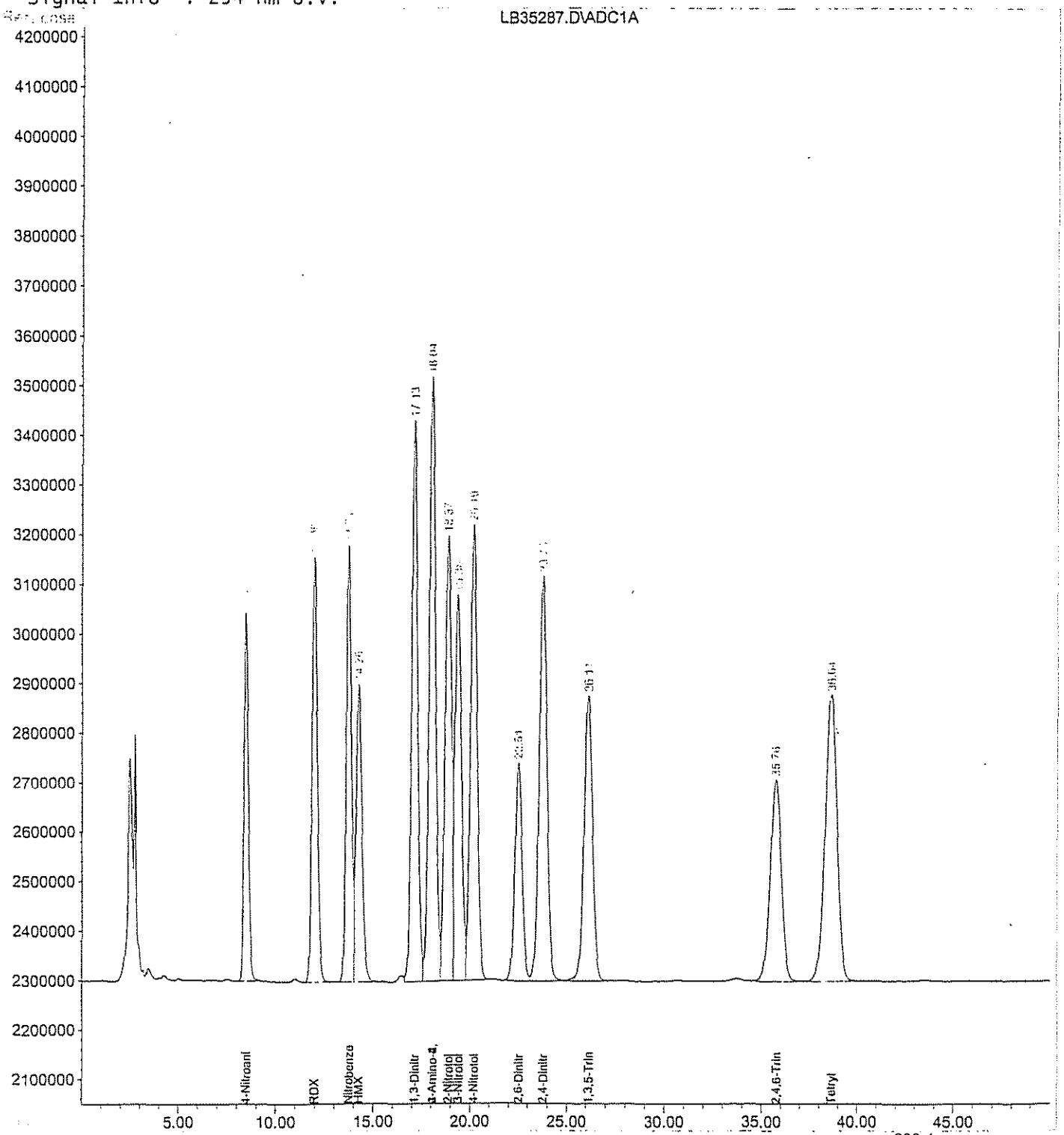
		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.46	118040936	919.422 ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 306.47%#
Target Compounds					
1)	T	HMX	14.26	130008173	959.648 ng/ml
3)	T	1,3,5-Trinitrobenzene	26.11	174706964	472.021 ng/ml
4)	T	Tetryl	38.64	253552684	941.172 ng/ml
5)	T	2,4,6-Trinitrotoluene	35.76	163897939	457.319 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.04	287732854	464.856 ng/ml
7)	T	2,6-Dinitrotoluene	22.51	118677420	461.048 ng/ml
8)	T	4-Nitrotoluene	20.19	226336684	929.755 ng/ml
9)	M	RDX	11.98	158552464	922.713 ng/ml
10)	M	1,3-Dinitrobenzene	17.13	245591383	470.365 ng/ml
11)	M	Nitrobenzene	13.74	163967242	461.982 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.04	287732854	465.349 ng/ml
13)	M	2,4-Dinitrotoluene	23.77	230708320	469.178 ng/ml
14)	M	2-Nitrotoluene	18.87	209093811	932.145 ng/ml
15)	M	3-Nitrotoluene	19.38	182580640	931.722 ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35287.D Vial: 5
Acq On : 30 Jul 2006 16:44 Operator: AG
Sample : 8330MIX-LEV-4 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:28 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35288.D Vial: 6
Acq On : 30 Jul 2006 17:36 Operator: AG
Sample : 8330MIX-LEV-5 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

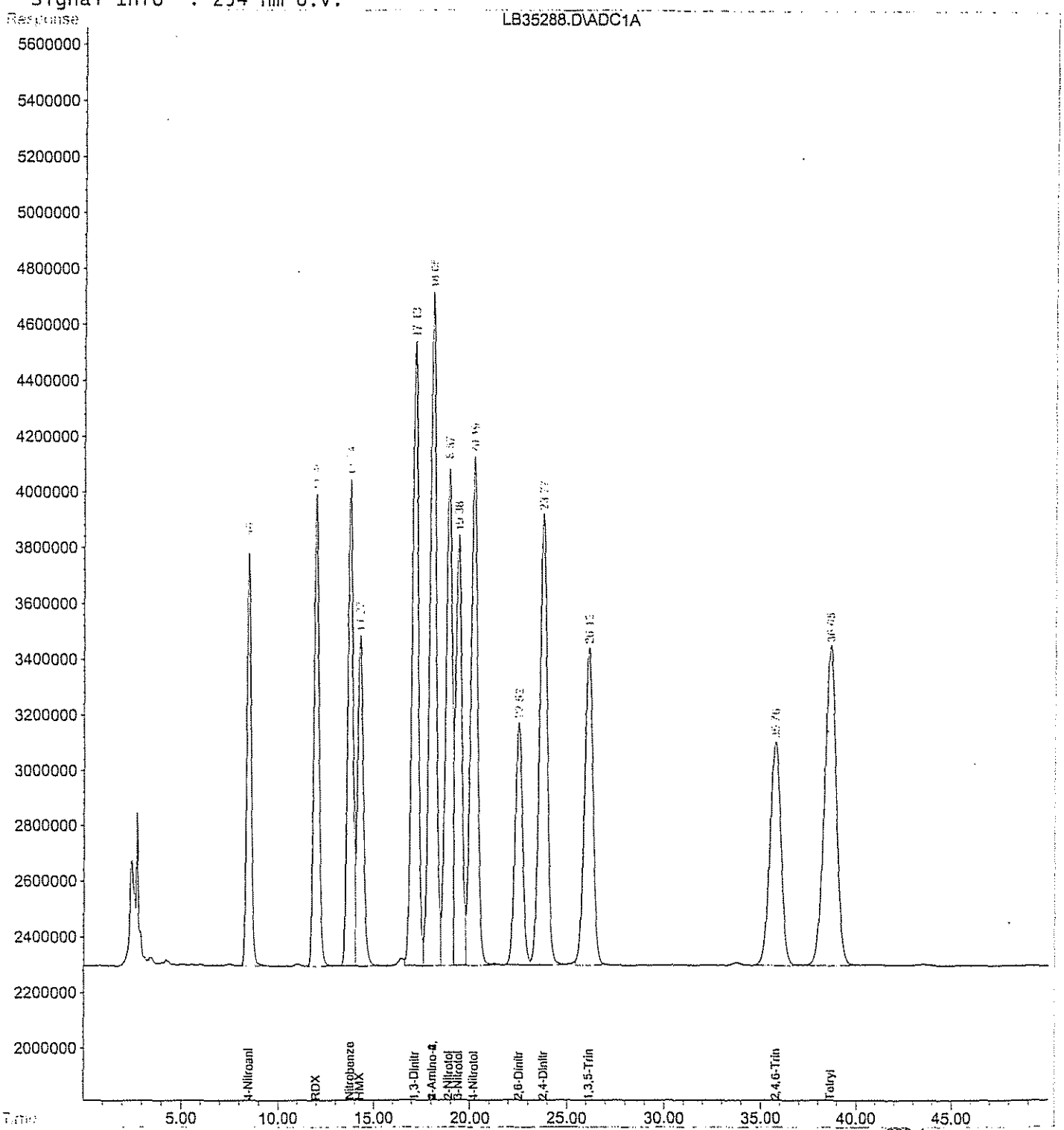
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
2)	S	4-Nitroaniline	8.46	236464759	1841.826	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 613.94%#	
		Target Compounds				
1)	T	HMX	14.27	257011212	1897.114	ng/ml
3)	T	1,3,5-Trinitrobenzene	26.12	342451940	925.232	ng/mlm
4)	T	Tetryl	38.65	504227483	1871.662	ng/ml
5)	T	2,4,6-Trinitrotoluene	35.76	324601986	905.727	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.05	572421908	924.794	ng/ml
7)	T	2,6-Dinitrotoluene	22.52	235179401	913.645	ng/ml
8)	T	4-Nitrotoluene	20.20	453005628	1860.874	ng/ml
9)	M	RDX	11.98	314754062	1831.746	ng/ml
10)	M	1,3-Dinitrobenzene	17.13	487501998	933.680	ng/ml
11)	M	Nitrobenzene	13.74	325412666	916.859	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.05	572421908	925.775	ng/ml
13)	M	2,4-Dinitrotoluene	23.77	457563923	930.522	ng/ml
14)	M	2-Nitrotoluene	18.88	415503151	1852.322	ng/ml
15)	M	3-Nitrotoluene	19.39	363586106	1855.406	ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35288.D Vial: 6
Acq On : 30 Jul 2006 17:36 Operator: AG
Sample : 8330MIX-LEV-5 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35289.D Vial: 7
Acq On : 30 Jul 2006 18:27 Operator: AG
Sample : 8330MIX-LEV-6 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
2)	S	4-Nitroaniline	8.46	591009759	4603.379	ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 1534.46%#	
Target Compounds						
1)	T	HMX	14.28	642189371	4740.286	ng/ml
3)	T	1,3,5-Trinitrobenzene	26.12	873929200	2364.541	ng/ml
4)	T	Tetryl	38.65	1284360520	4767.470	ng/ml
5)	T	2,4,6-Trinitrotoluene	35.76	817493130	2281.025	ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.06	1438379084	2323.819	ng/ml
7)	T	2,6-Dinitrotoluene	22.52	590480324	2293.948	ng/ml
8)	T	4-Nitrotoluene	20.20	1119909780	4600.410	ng/ml
9)	M	RDX	11.99	791920711	4608.669	ng/ml
10)	M	1,3-Dinitrobenzene	17.14	1215830726	2328.600	ng/ml
11)	M	Nitrobenzene	13.75	800984917	2256.796	ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.06	1438379084	2326.283	ng/ml
13)	M	2,4-Dinitrotoluene	23.78	1148642284	2335.928	ng/ml
14)	M	2-Nitrotoluene	18.88	1022987410	4560.499	ng/ml
15)	M	3-Nitrotoluene	19.39	895671542	4570.675	ng/ml

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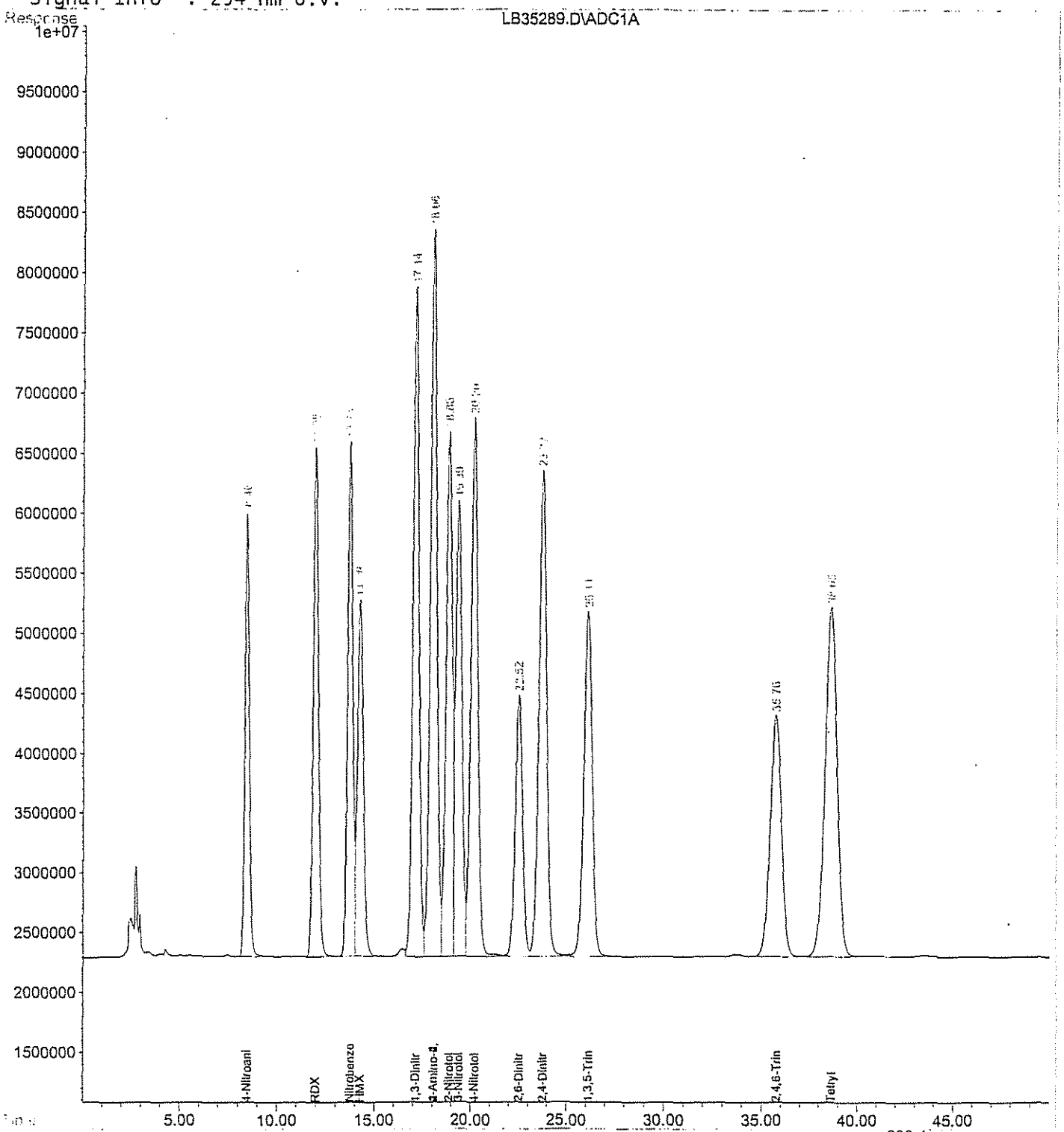
Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35289.D Vial: 7
Acq On : 30 Jul 2006 18:27 Operator: AG
Sample : 8330MIX-LEV-6 Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:29 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



Continuing Calibration Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Sep 18 12:52:54 2006
Response via : Initial Calibration

Continuing Calibration File: LB35290.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	135.475	177.357	E3	-30.9#	130
2	S	4-Nitroaniline	128.386	110.334	E3	14.1	88
3	T	1,3,5-Trinitrobenzene	369.598	465.956	E3	-26.1#	130
4	T	Tetryl	269.401	343.832	E3	-27.6#	132
5	T	2,4,6-Trinitrotoluene	355.309	436.396	E3	-22.8#	131
6	T	4-Amino-2,6-Dinitrotoluene	618.972	676.471	E3	-9.3	112
7	T	2,6-Dinitrotoluene	253.253	319.165	E3	-26.0#	131
8	T	4-Nitrotoluene	241.692	255.343	E3	-5.6	109
9	M	RDX	171.833	213.806	E3	-24.4#	130
10	M	1,3-Dinitrobenzene	522.129	659.128	E3	-26.2#	131
11	M	Nitrobenzene	354.921	408.802	E3	-15.2#	121
12	M	2-Amino-4,6-Dinitrotoluene	615.907	676.471	E3	-9.8	112
13	M	2,4-Dinitrotoluene	491.728	619.312	E3	-25.9#	130
14	M	2-Nitrotoluene	223.086	233.090	E3	-4.5	108
15	M	3-Nitrotoluene	194.415	215.679	E3	-10.9	114

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : I:\LCDATA\LCB\073006\LB35290.D Vial: 8
Acq On : 30 Jul 2006 19:18 Operator: AG
Sample : 8330MIX-ICV Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:41 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.

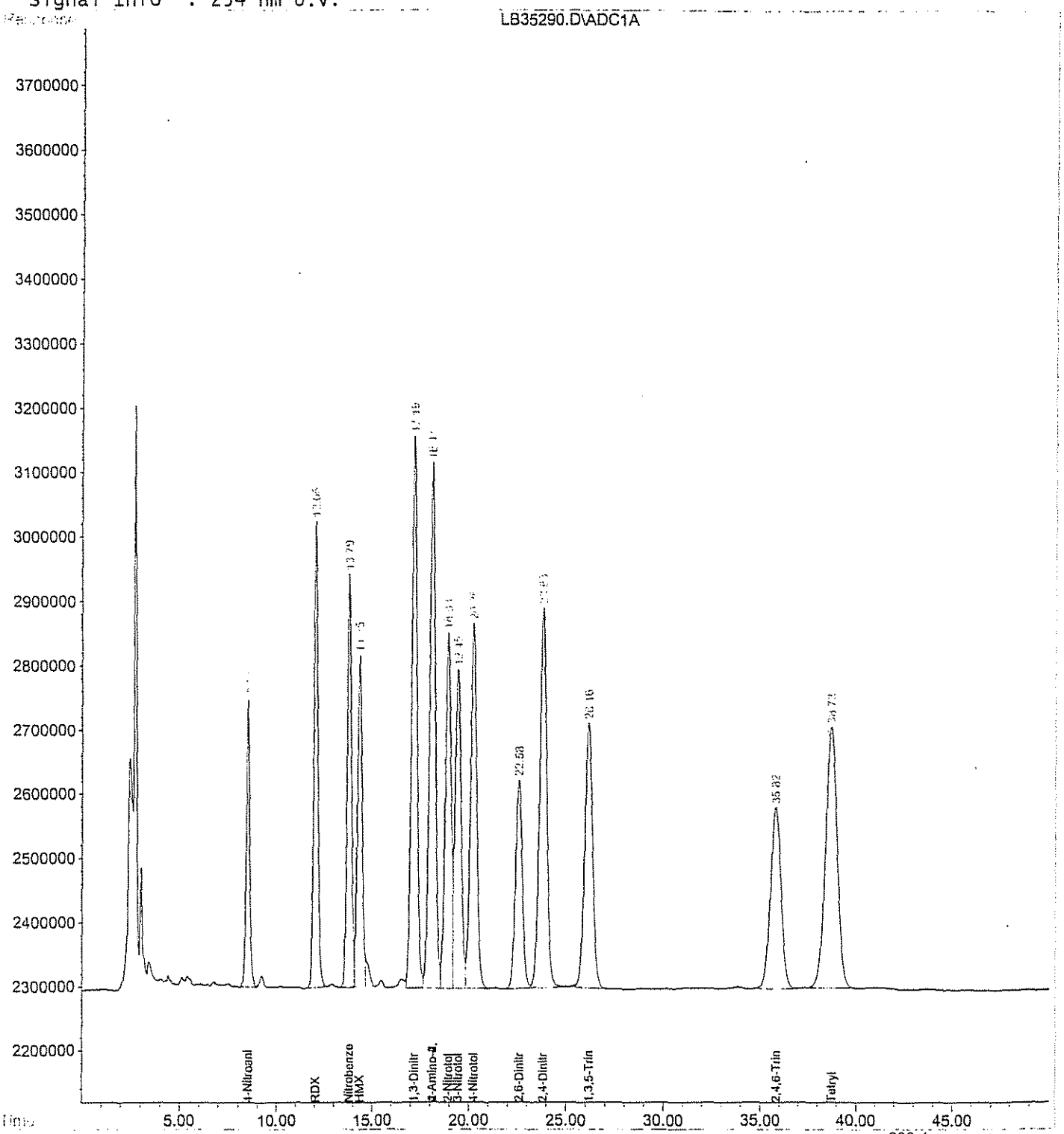
		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.51	55167160	429.697 ng/ml
Spiked Amount		300.000	Range 49 - 133	Recovery	= 143.23%#
Target Compounds					
1)	T	HMX	14.35	88678477	654.575 ng/mlm
3)	T	1,3,5-Trinitrobenzene	26.16	116488959	315.178 ng/ml
4)	T	Tetryl	38.74	171916155	638.143 ng/ml
5)	T	2,4,6-Trinitrotoluene	35.83	109098948	307.054 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	18.12	169117855	273.224 ng/ml
7)	T	2,6-Dinitrotoluene	22.58	79791307	315.065 ng/ml
8)	T	4-Nitrotoluene	20.25	127671564	528.241 ng/ml
9)	M	RDX	12.05	106902924	622.133 ng/ml
10)	M	1,3-Dinitrobenzene	17.19	164781903	315.596 ng/mlm
11)	M	Nitrobenzene	13.80	102200435	287.952 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	18.12	169117855	274.583 ng/ml
13)	M	2,4-Dinitrotoluene	23.83	154828045	314.865 ng/ml
14)	M	2-Nitrotoluene	18.94	116545076	522.422 ng/ml
15)	M	3-Nitrotoluene	19.45	107839325	554.685 ng/ml

Quantitation Report

Data File : I:\LCDATA\LCB\073006\LB35290.D Vial: 8
Acq On : 30 Jul 2006 19:18 Operator: AG
Sample : 8330MIX-ICV Inst : LCB
Misc : CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 31 19:41 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Mon Jul 31 17:55:59 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT TYPE: LCB
COLUMN: POLAR ANALYST SS
DATE: 07/31/06-08/02/06 DATE 09/12/06

COMPOUND	LCB352! Retent Time 1	LCB35319 Retent Time 2	LCB35330 Retent Time 3	AVG	Stand Dev	3X Stnd Dev
4-Nitroaniline(St	8.640	8.560	8.560	8.587	0.046	0.139
HMX	14.770	14.580	14.600	14.650	0.104	0.313
1,3,5-Trinitrober	26.940	26.690	26.740	26.790	0.132	0.397
Tetryl	40.160	39.810	39.940	39.970	0.177	0.531
2,4,6-Trinitrotol	37.020	36.710	36.810	36.847	0.158	0.475
4-ADNT	18.660	18.480	18.500	18.547	0.099	0.296
2,6-Dinitrotoluer	23.230	23.020	23.060	23.103	0.112	0.335
4-Nitrotoluene	20.750	20.590	20.610	20.650	0.087	0.262
RDX	12.320	12.190	12.200	12.237	0.072	0.217
1,3-Dinitrobenzer	17.610	17.450	17.470	17.510	0.087	0.262
Nitrobenzene	14.050	13.940	13.940	13.977	0.064	0.191
2-ADNT	18.660	18.480	18.500	18.547	0.099	0.296
2,4-Dinitrotoluer	24.520	24.310	24.360	24.397	0.110	0.329
2-Nitrotoluene	19.390	19.230	19.250	19.290	0.087	0.262
3-Nitrotoluene	19.910	19.230	19.770	19.637	0.359	1.077

Retention windows equal to retention times extracted from daily calibration +/- three times of the Standard Deviation.

Continuing Calibration Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Sep 17 12:37:10 2006
Response via : Initial Calibration

Continuing Calibration File: LB36159.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	135.475	127.515	E3	5.9	94
2	S	4-Nitroaniline	128.386	115.398	E3	10.1	92
3	T	1,3,5-Trinitrobenzene	369.598	348.758	E3	5.6	97
4	T	Tetryl	269.401	288.510	E3	-7.1	110
5	T	2,4,6-Trinitrotoluene	355.309	337.829	E3	4.9	101
6	T	4-Amino-2,6-Dinitrotoluene	618.972	545.522	E3	11.9	91
7	T	2,6-Dinitrotoluene	253.253	235.560	E3	7.0	97
8	T	4-Nitrotoluene	241.692	227.743	E3	5.8	97
9	M	RDX	171.833	156.696	E3	8.8	95
10	M	1,3-Dinitrobenzene	522.129	469.677	E3	10.0	93
11	M	Nitrobenzene	354.921	319.530	E3	10.0	94
12	M	2-Amino-4,6-Dinitrotoluene	615.907	545.522	E3	11.4	91
13	M	2,4-Dinitrotoluene	491.728	463.931	E3	5.7	97
14	M	2-Nitrotoluene	223.086	206.607	E3	7.4	96
15	M	3-Nitrotoluene	194.415	184.163	E3	5.3	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36159.D Vial: 13
Acq On : 14 Sep 2006 22:28 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 6:59 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.79	57698813	449.416 ng/ml
Spiked Amount 300.000 Range 49 - 133 Recovery = 149.81%#					
Target Compounds					
1)	T	HMX	15.34	63757527	470.623 ng/ml
3)	T	1,3,5-Trinitrobenzene	27.79	87189424	235.904 ng/ml
4)	T	Tetryl	41.82	144254839	535.465 ng/ml
5)	T	2,4,6-Trinitrotoluene	38.40	84457372	237.701 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.15	136380497	220.334 ng/ml
7)	T	2,6-Dinitrotoluene	23.81	58890125	232.534 ng/ml
8)	T	4-Nitrotoluene	21.12	113871351	471.143 ng/ml
9)	M	RDX	12.62	78348209	455.956 ng/ml
10)	M	1,3-Dinitrobenzene	18.01	117419168	224.885 ng/ml
11)	M	Nitrobenzene	14.29	79882441	225.071 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.15	136380497	221.430 ng/ml
13)	M	2,4-Dinitrotoluene	25.13	115982740	235.867 ng/ml
14)	M	2-Nitrotoluene	19.73	103303476	463.066 ng/ml
15)	M	3-Nitrotoluene	20.26	92081648	473.634 ng/ml

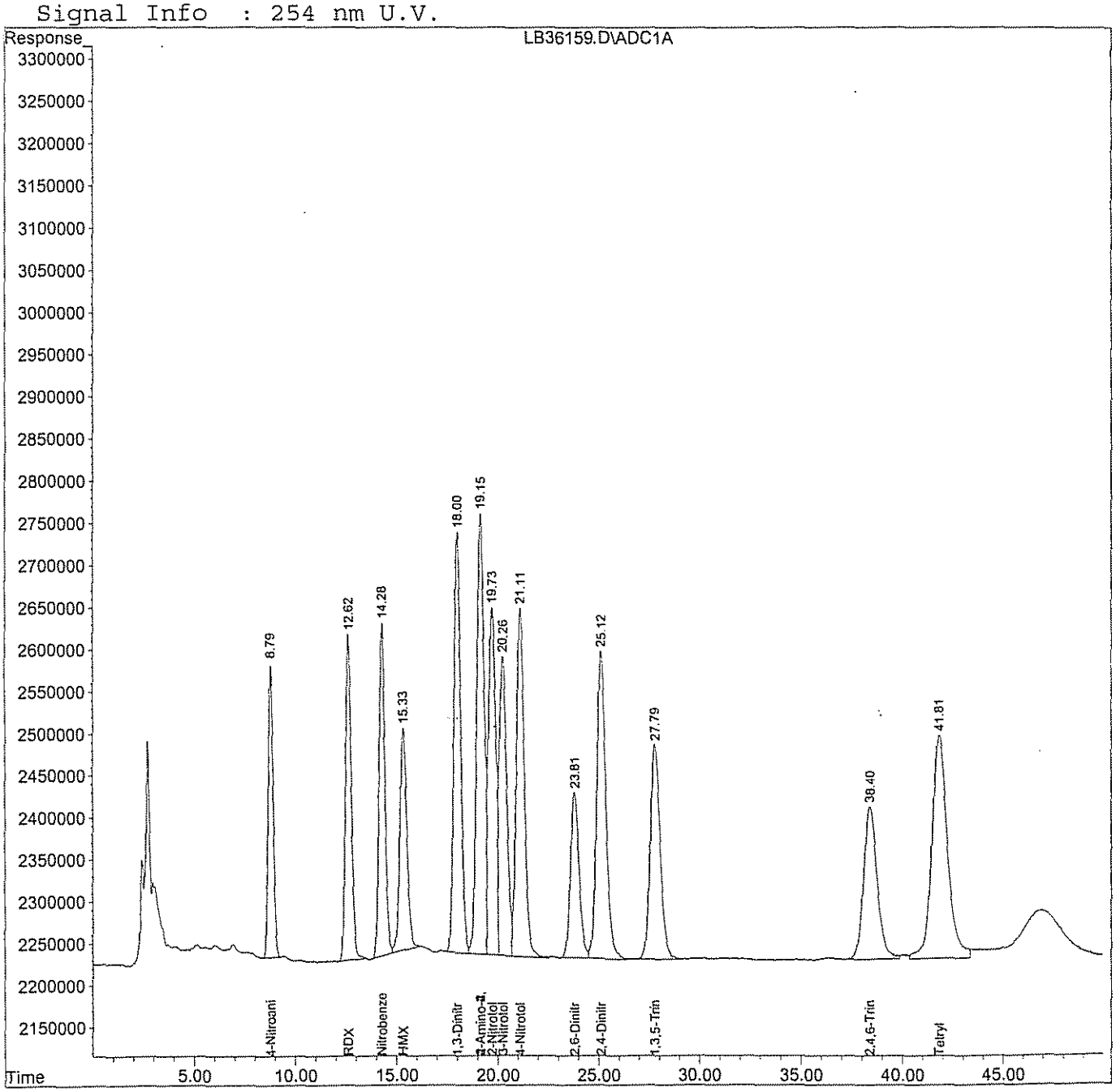
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36159.D Vial: 13
Acq On : 14 Sep 2006 22:28 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 6:59 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



Continuing Calibration Report LCB

Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Sep 17 12:37:27 2006
Response via : Initial Calibration

Continuing Calibration File: LB36170.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	T	HMX	135.475	133.567	E3	1.4	98
2	S	4-Nitroaniline	128.386	109.673	E3	14.6	88
3	T	1,3,5-Trinitrobenzene	369.598	354.218	E3	4.2	99
4	T	Tetryl	269.401	267.862	E3	0.6	103
5	T	2,4,6-Trinitrotoluene	355.309	331.310	E3	6.8	99
6	T	4-Amino-2,6-Dinitrotoluene	618.972	540.734	E3	12.6	90
7	T	2,6-Dinitrotoluene	253.253	259.688	E3	-2.5	107
8	T	4-Nitrotoluene	241.692	228.427	E3	5.5	98
9	M	RDX	171.833	160.186	E3	6.8	97
10	M	1,3-Dinitrobenzene	522.129	506.243	E3	3.0	100
11	M	Nitrobenzene	354.921	335.930	E3	5.4	99
12	M	2-Amino-4,6-Dinitrotoluene	615.907	540.734	E3	12.2	90
13	M	2,4-Dinitrotoluene	491.728	485.648	E3	1.2	102
14	M	2-Nitrotoluene	223.086	209.181	E3	6.2	97
15	M	3-Nitrotoluene	194.415	188.099	E3	3.2	100

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\LB36170.D Vial: 24
Acq On : 15 Sep 2006 8:43 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:55 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
2)	S	4-Nitroaniline	8.80	54836468	427.122 ng/mlm
Spiked Amount 300.000 Range 49 - 133 Recovery = 142.37%#					
Target Compounds					
1)	T	HMX	15.35	66783406	492.958 ng/ml
3)	T	1,3,5-Trinitrobenzene	27.79	88554487	239.597 ng/ml
4)	T	Tetryl	41.75	133931032	497.144 ng/ml
5)	T	2,4,6-Trinitrotoluene	38.36	82827586	233.114 ng/ml
6)	T	4-Amino-2,6-Dinitrotoluene	19.17	135183545	218.400 ng/ml
7)	T	2,6-Dinitrotoluene	23.81	64922101	256.352 ng/mlm
8)	T	4-Nitrotoluene	21.13	114213661	472.559 ng/ml
9)	M	RDX	12.62	80093063	466.110 ng/ml
10)	M	1,3-Dinitrobenzene	18.01	126560676	242.393 ng/mlm
11)	M	Nitrobenzene	14.28	83982409	236.623 ng/ml
12)	M	2-Amino-4,6-Dinitrotoluene	19.17	135183545	219.487 ng/ml
13)	M	2,4-Dinitrotoluene	25.14	121412021	246.909 ng/ml
14)	M	2-Nitrotoluene	19.74	104590492	468.835 ng/ml
15)	M	3-Nitrotoluene	20.27	94049376	483.755 ng/ml

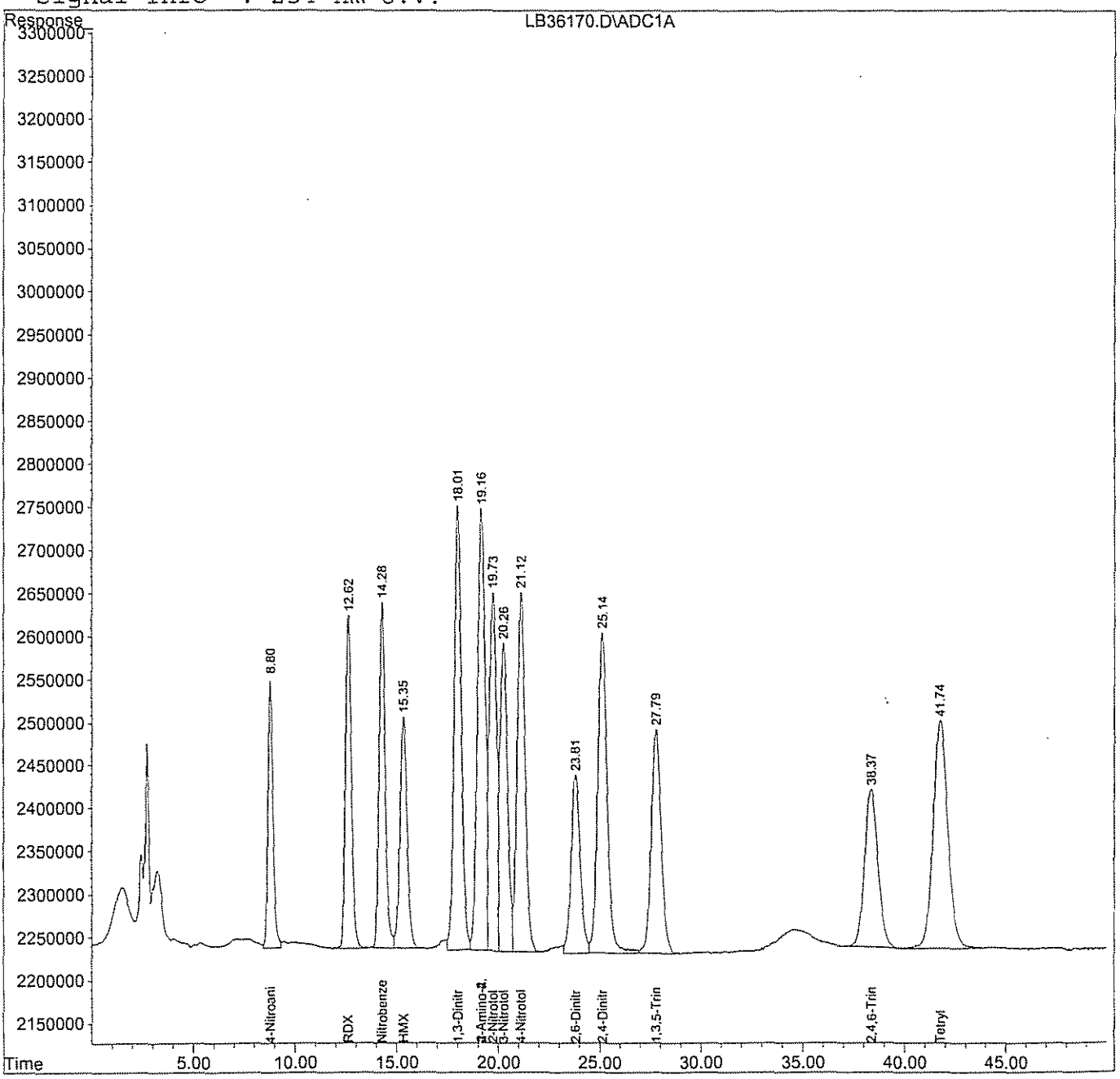
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091406\LB36170.D Vial: 24
Acq On : 15 Sep 2006 8:43 Operator: SS
Sample : 8330MIX Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:55 2006 Quant Results File: 073006C.RES

Quant Method : I:\LCDATA\LCB\METHODS\073006C.M (Chemstation Integrator)
Title : 8330 Explosives Confirmation
Last Update : Sun Jul 30 17:25:26 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : POLAR RP (confirmation)
Signal Info : 254 nm U.V.



Response Factor Report LCB

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Thu Aug 03 09:47:48 2006

Calibration Files
LEV1 =LB35345.D LEV2 =LB35346.D LEV3 =LB35347.D
LEV4 =LB35348.D LEV5 =LB35349.D

	Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1) S	4-NITROANILINE	1.083	1.054	1.022	1.036	1.043	1.047 E5	2.20
2) M	NITROGLYCERINE	1.875	1.608	1.761	1.779	1.738	1.752 E6	5.48

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35344.D Vial: 1
Acq On : 2 Aug 2006 19:03 Operator: SS
Sample : 8330NG-BLK Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

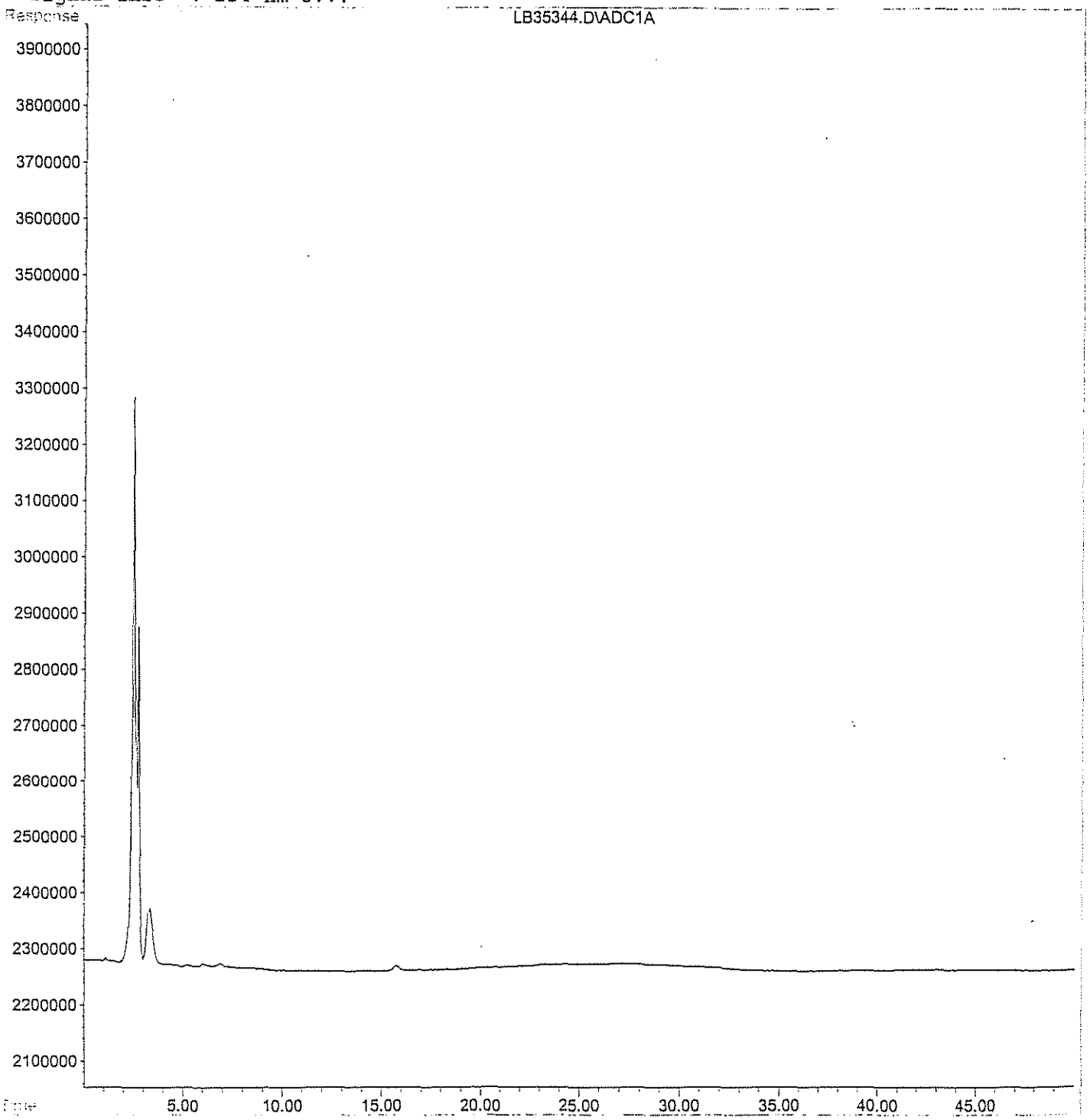
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	0.00	0	N.D.	PPB
Spiked Amount 300.000		Recovery =	0.00%	
Target Compounds				
2) M NITROGLYCERINE	0.00	0	N.D.	PPM

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35344.D Vial: 1
Acq On : 2 Aug 2006 19:03 Operator: SS
Sample : 8330NG-BLK Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35345.D Vial: 2
Acq On : 2 Aug 2006 19:55 Operator: SS
Sample : 8330NG-LEV1 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.61	2707665	25.202 PPB m
Spiked Amount 300.000		Recovery =	8.40%
Target Compounds			
2) M NITROGLYCERINE	27.31f	1874941	1.073 PPM m

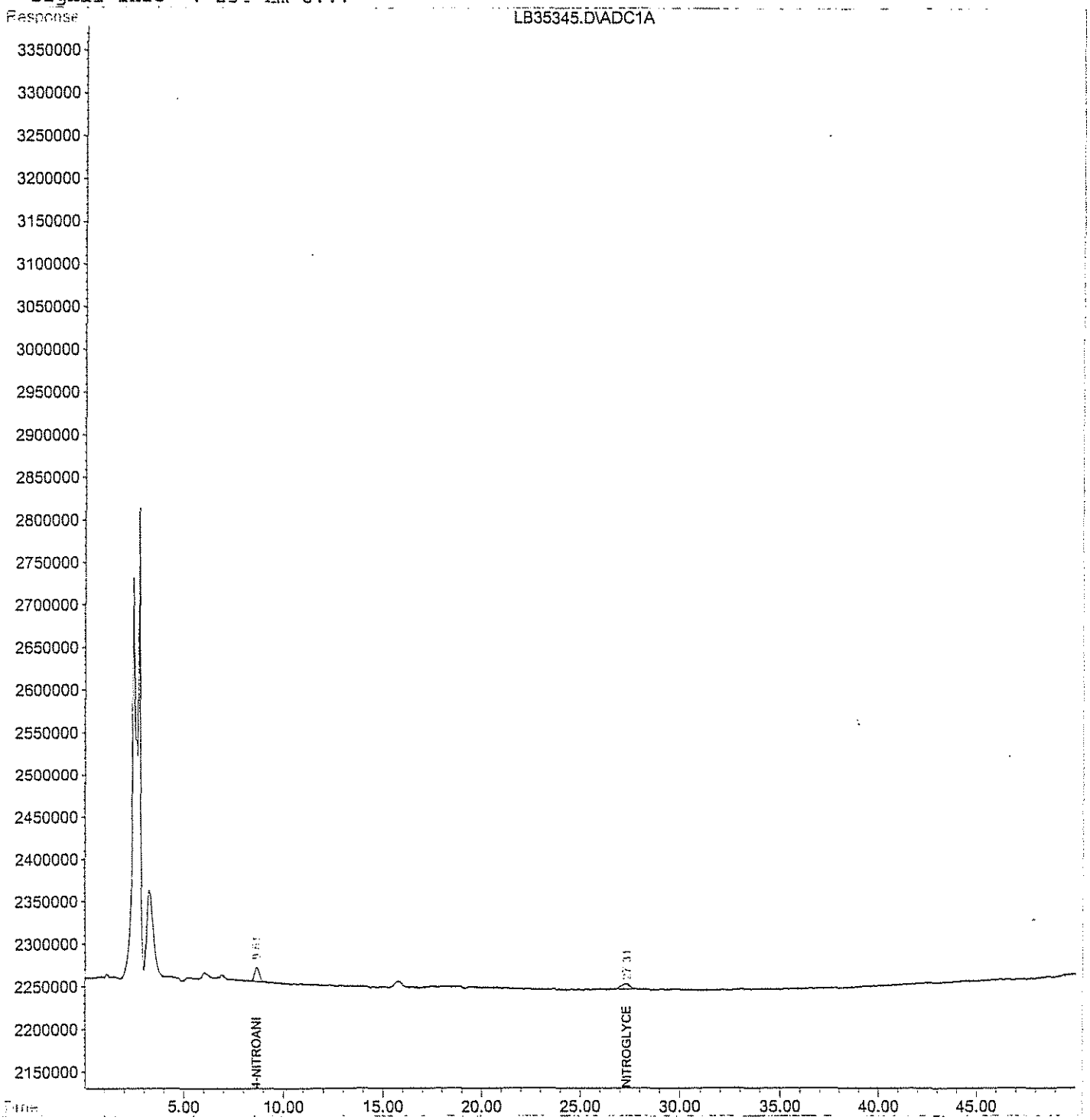
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35345.D Vial: 2
Acq On : 2 Aug 2006 19:55 Operator: SS
Sample : 8330NG-LEV1 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35346.D Vial: 3
Acq On : 2 Aug 2006 20:46 Operator: SS
Sample : 8330NG-LEV2 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.63	13171240	125.713 PPB
Spiked Amount 300.000		Recovery =	41.90%
Target Compounds			
2) M NITROGLYCERINE	27.22	8039370	4.627 PPM m

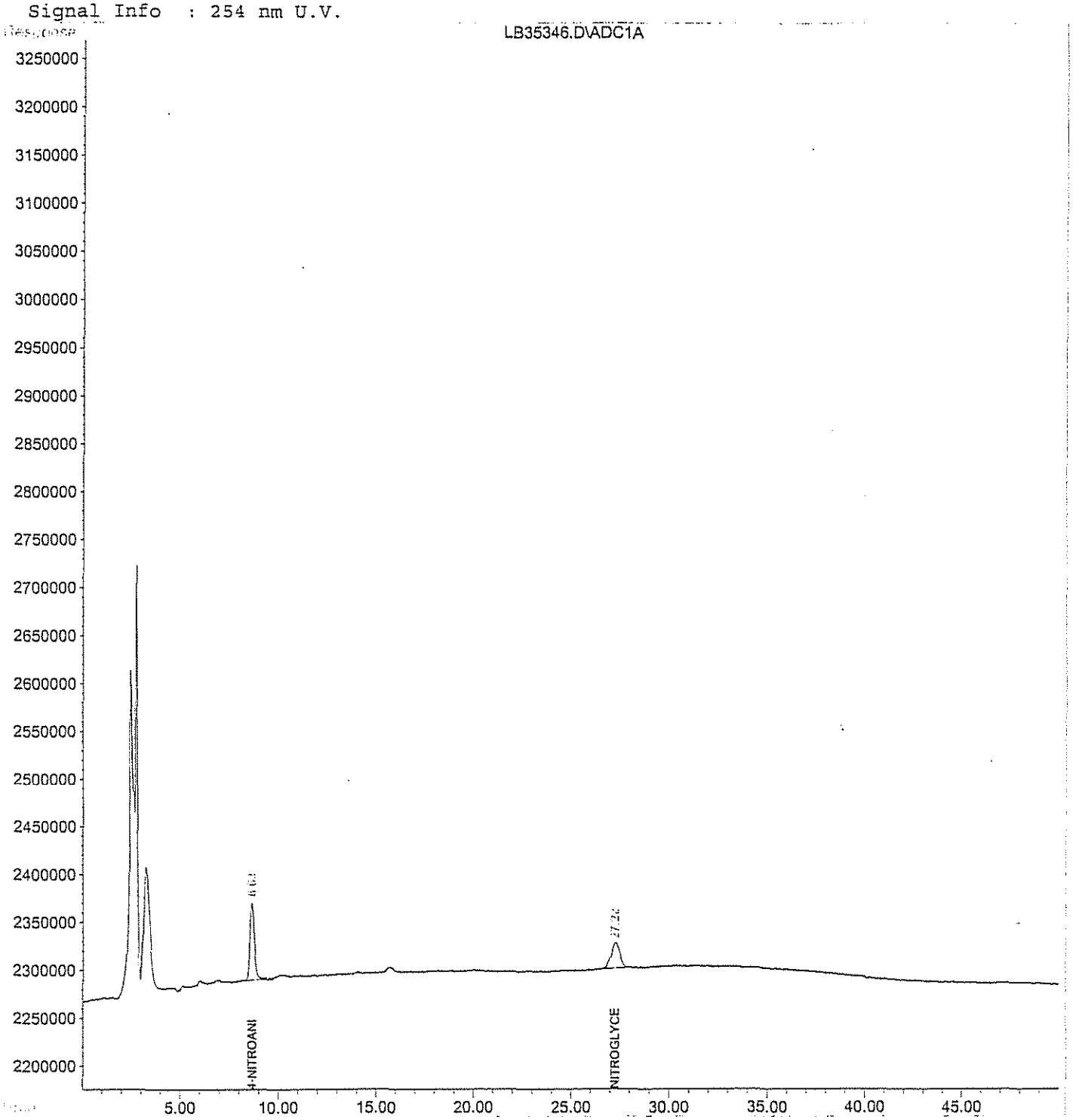
(f)=RT Delta > 1/2 Window (m)=manual int.
LB35346.D 6802NGCO.M Thu Aug 03 09:49:03 2006 A

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35346.D Vial: 3
Acq On : 2 Aug 2006 20:46 Operator: SS
Sample : 8330NG-LEV2 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35347.D Vial: 4
Acq On : 2 Aug 2006 21:37 Operator: SS
Sample : 8330NG-LEV3 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:43 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

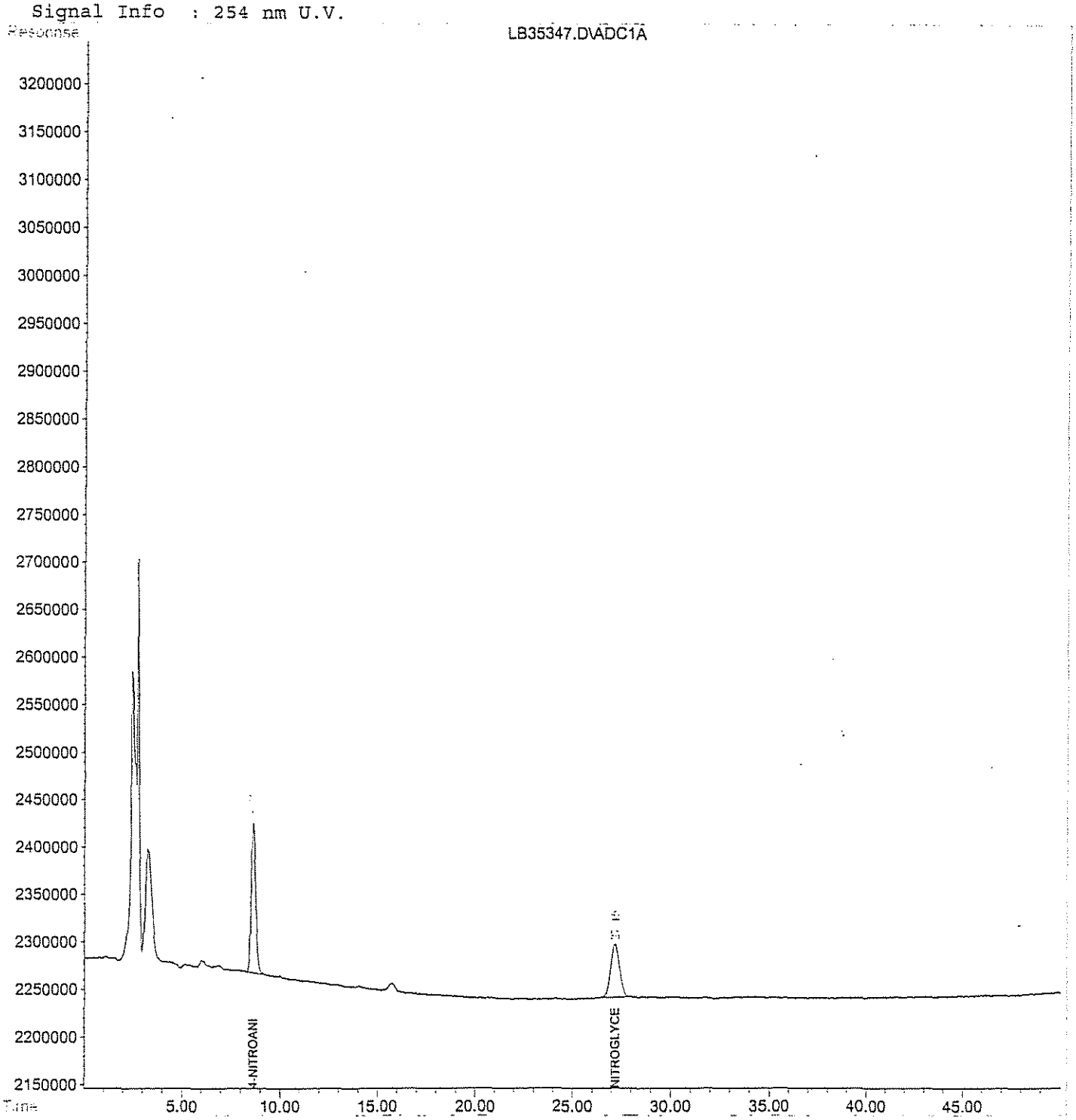
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.61	25547182	237.758 PPB
Spiked Amount 300.000		Recovery =	79.25%
Target Compounds			
2) M NITROGLYCERINE	27.16	17605700	10.216 PPM

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35347.D Vial: 4
Acq On : 2 Aug 2006 21:37 Operator: SS
Sample : 8330NG-LEV3 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:43 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35348.D Vial: 5
Acq On : 2 Aug 2006 22:28 Operator: SS
Sample : 8330NG-LEV4 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.62	51784030	497.698 PPB
Spiked Amount 300.000		Recovery =	165.90%
Target Compounds			
2) M NITROGLYCERINE	27.16	35572771	20.756 PPM

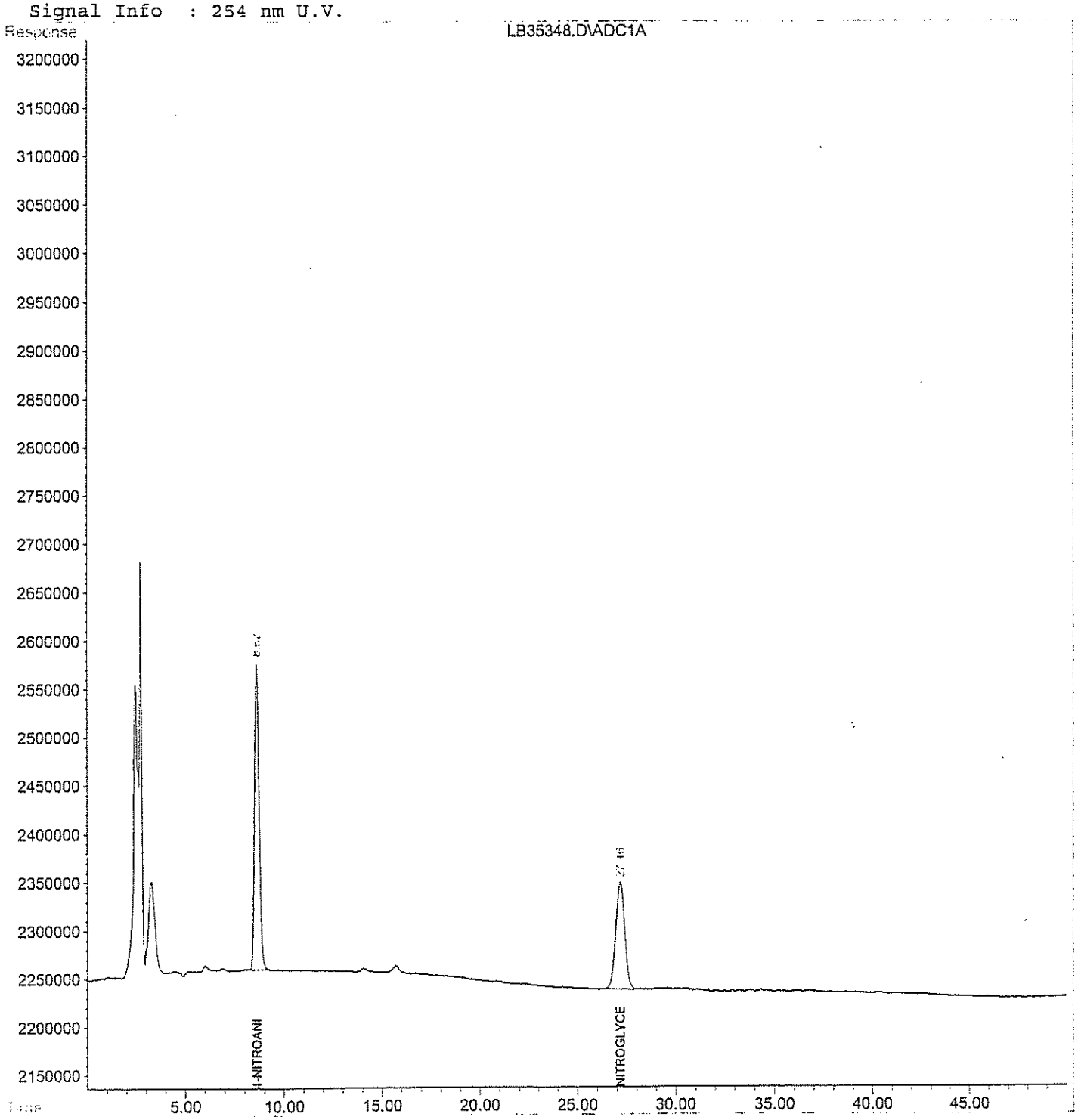
(f)=RT Delta > 1/2 Window (m)=manual int.
LB35348.D 6802NGCO.M Thu Aug 03 09:49:06 2006 A

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35348.D Vial: 5
Acq On : 2 Aug 2006 22:28 Operator: SS
Sample : 8330NG-LEV4 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:44 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35349.D Vial: 6
Acq On : 2 Aug 2006 23:20 Operator: SS
Sample : 8330NG-LEV5 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.61	130333632	1246.482 PPB
Spiked Amount 300.000		Recovery =	415.49%
Target Compounds			
2) M NITROGLYCERINE	27.15	86895470	49.904 PPM

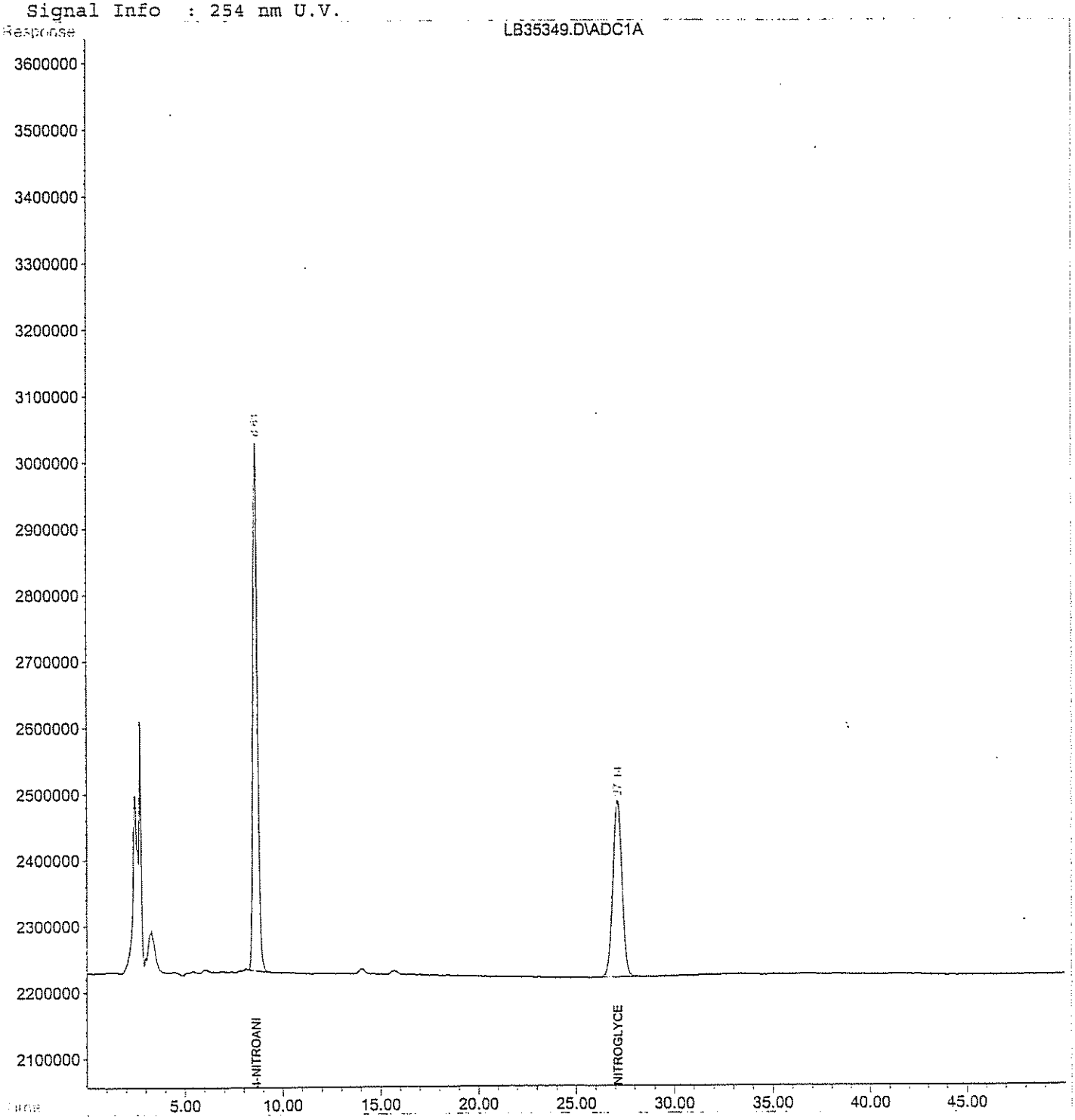
(f)=RT Delta > 1/2 Window (m)=manual int.
LB35349.D 6802NGCO.M Thu Aug 03 09:49:08 2006 A F10OR002908_01.09_0504_a

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35349.D Vial: 6
Acq On : 2 Aug 2006 23:20 Operator: SS
Sample : 8330NG-LEV5 Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:45 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Evaluate Continuing Calibration Report

Data File : H:\LCDATA\LCB\080206\LB35350.D
Acq On : 3 Aug 2006 00:11
Sample : 8330NG-ICV
Misc : CCAL
IntFile : events.e

Vial: 7
Operator: SS
Inst : LCB
Multiplr: 1.00

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Sun Sep 17 12:51:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
2 M	NITROGLYCERINE	1.752	1.699 E6	3.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB35350.D 6802NGCO.M Sun Sep 17 12:51:42 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\080206\LB35350.D Vial: 7
Acq On : 3 Aug 2006 00:11 Operator: SS
Sample : 8330NG-ICV Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:46 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 4-NITROANILINE	0.00	0	N.D.	PPB
Spiked Amount 300.000		Recovery =	0.00%	
Target Compounds				
2) M NITROGLYCERINE	27.11	16987539	9.696	PPM

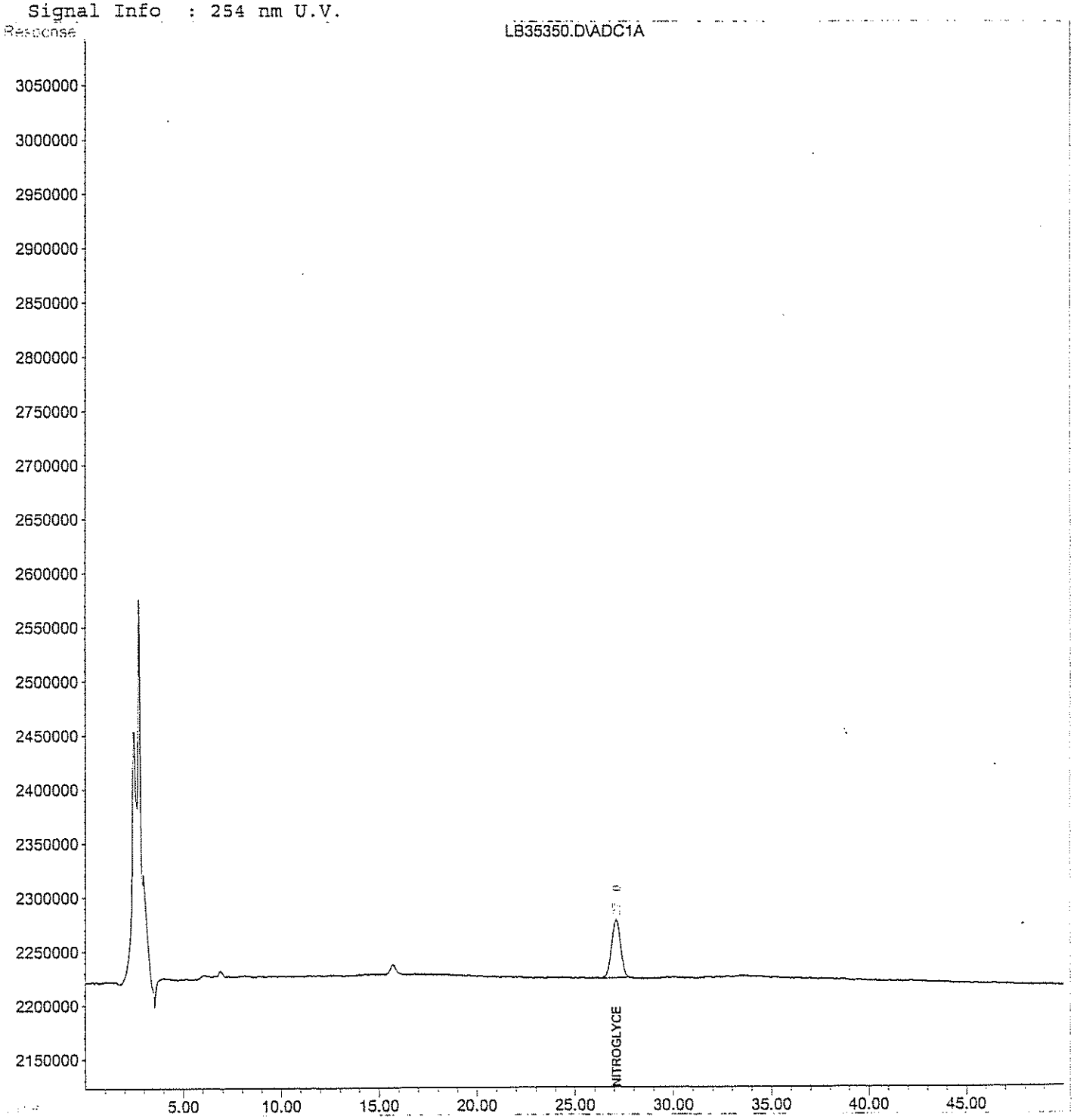
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\080206\LB35350.D Vial: 7
Acq On : 3 Aug 2006 00:11 Operator: SS
Sample : 8330NG-ICV Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 3 9:46 2006 Quant Results File: 6802NGCO.RES

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



8330 RETENTION TIME WINDOW ESTABLISHMENT

INTRUMENT: LCB CB35402 LCB3541 CB35427
COLUMN: POLAR ANALYST SS
DATE: 08/07/2006-08/08/2006

COMPOUND	RT1	PW1	RT2	PW2	RT3	PW3	Avg RT	3x RT Std De	Avg PW	RT Window
4-Nitroaniline(Surr.)	8.56	7.07	8.56	0.31	8.56	0.30	8.560	0.000	2.56	1.28
Nitroglycerine	26.82	21.96	26.91	0.51	26.90	0.53	26.877	0.148	7.67	3.83

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Sun Sep 17 12:38:17 2006
Response via : Initial Calibration

Continuing Calibration File: LB36148.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	104.740	111.411	E3	-6.4	109
2	M	NITROGLYCERINE	1.752	1.760	E6	-0.4	100

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36148.D 6802NGCO.M Sun Sep 17 12:38:46 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\0914NG\LB36148.D
Acq On : 14 Sep 2006 12:55
Sample : 8330NG
Misc : C CAL
IntFile : events.e
Quant Time: Sep 14 14:20 2006 Quant Results File: 6802NGCO.RES

Vial: 2
Operator: SS
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.86	27852788	265.923 PPB
Spiked Amount 300.000		Recovery =	88.64%
Target Compounds			
2) M NITROGLYCERINE	28.45	17598643	10.045 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

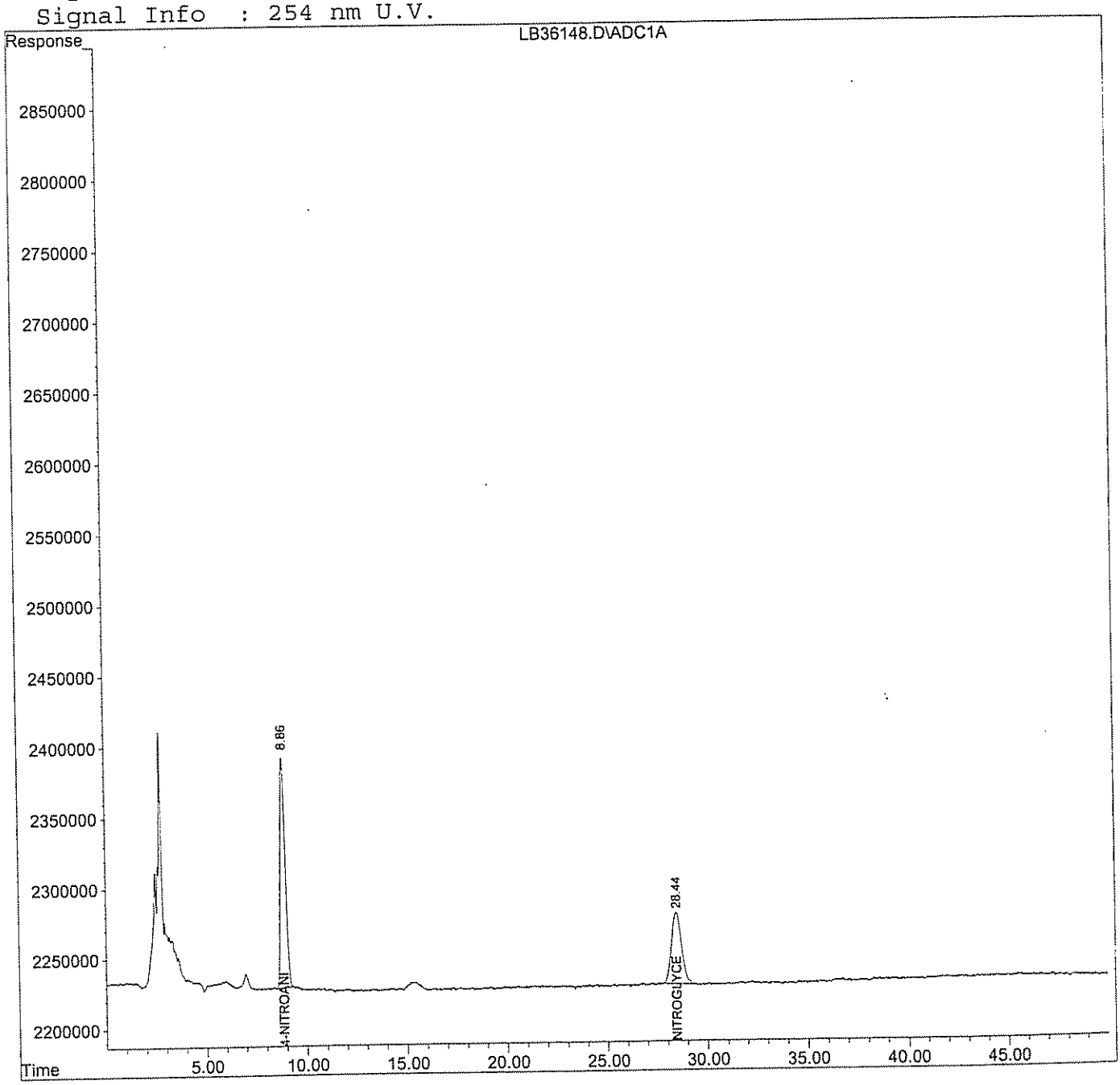
Quantitation Report

Data File : H:\LCDATA\LCB\091406\0914NG\LB36148.D
Acq On : 14 Sep 2006 12:55
Sample : 8330NG
Misc : C CAL
IntFile : events.e
Quant Time: Sep 14 14:20 2006 Quant Results File: 6802NGCO.RES

Vial: 2
Operator: SS
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Sun Sep 17 12:39:00 2006
Response via : Initial Calibration

Continuing Calibration File: LB36171.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-NITROANILINE	104.740	117.354	E3	-12.0	115
2	M	NITROGLYCERINE	1.752	1.858	E6	-6.0	106

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36171.D 6802NGCO.M Sun Sep 17 12:39:01 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091406\0914NG\LB36171.D
Acq On : 15 Sep 2006 14:31
Sample : 8330NG
Misc : CCAL
IntFile : events.e
Quant Time: Sep 15 16:40 2006 Quant Results File: 6802NGCO.RES

Vial: 25
Operator: SS
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	8.84	29338529	280.108 PPB
Spiked Amount 300.000		Recovery =	93.37%
Target Compounds			
2) M NITROGLYCERINE	28.31f	18577344	10.604 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

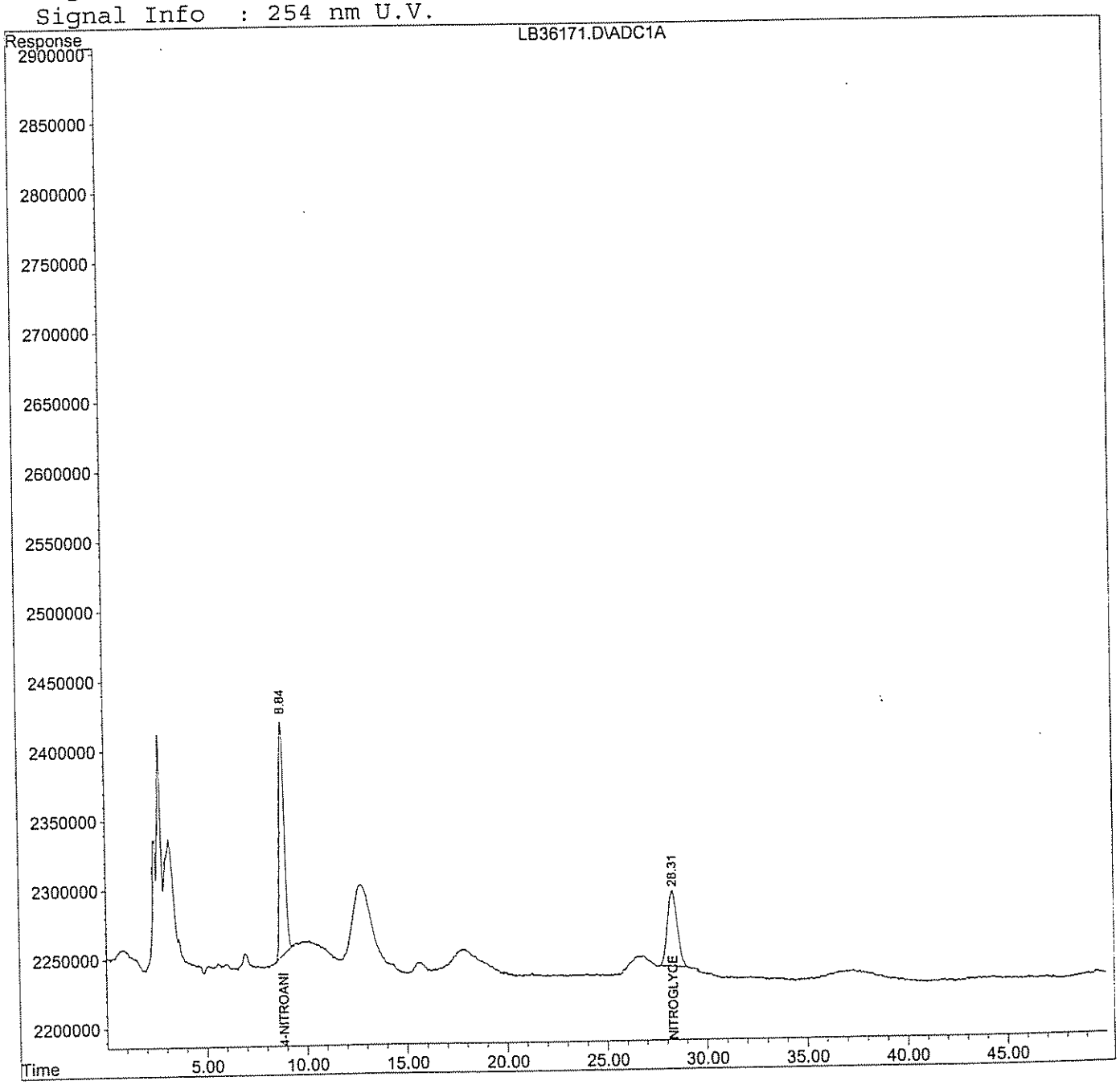
Quantitation Report

Data File : H:\LCDATA\LCB\091406\0914NG\LB36171.D
Acq On : 15 Sep 2006 14:31
Sample : 8330NG
Misc : CCAL
IntFile : events.e
Quant Time: Sep 15 16:40 2006 Quant Results File: 6802NGCO.RES

Vial: 25
Operator: SS
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6802NGCO.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT 8330 confirmation
Last Update : Tue Aug 16 16:00:29 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : Polar RP
Signal Info : 254 nm U.V.



D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK83534

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK83534
Sample Volume :	10	Lab File ID :	LA16117.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/11/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.040	U
99-65-0	1,3-Dinitrobenzene	0.040	U
118-96-7	2,4,6-Trinitrotoluene	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.040	U
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.040	U
2691-41-0	HMX	0.080	U
98-95-3	Nitrobenzene	0.040	U
121-82-4	RDX	0.080	U
479-45-8	Tetryl	0.080	U
99-08-1	m-Nitrotoluene	0.080	U
88-72-2	o-Nitrotoluene	0.080	U
99-99-0	p-Nitrotoluene	0.080	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK83547

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK83547
Sample Volume :	10	Lab File ID :	LA16117.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/11/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	4.0	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16117.D
Acq On : 11 Sep 2006 22:55
Sample : BLK83534/83538
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:30 2006 Quant Results File: 67258330.RES

Vial: 3
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.42	21646151	165.507 ng/ml
Spiked Amount 150.000	Range 52 - 154	Recovery = 110.34%	

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

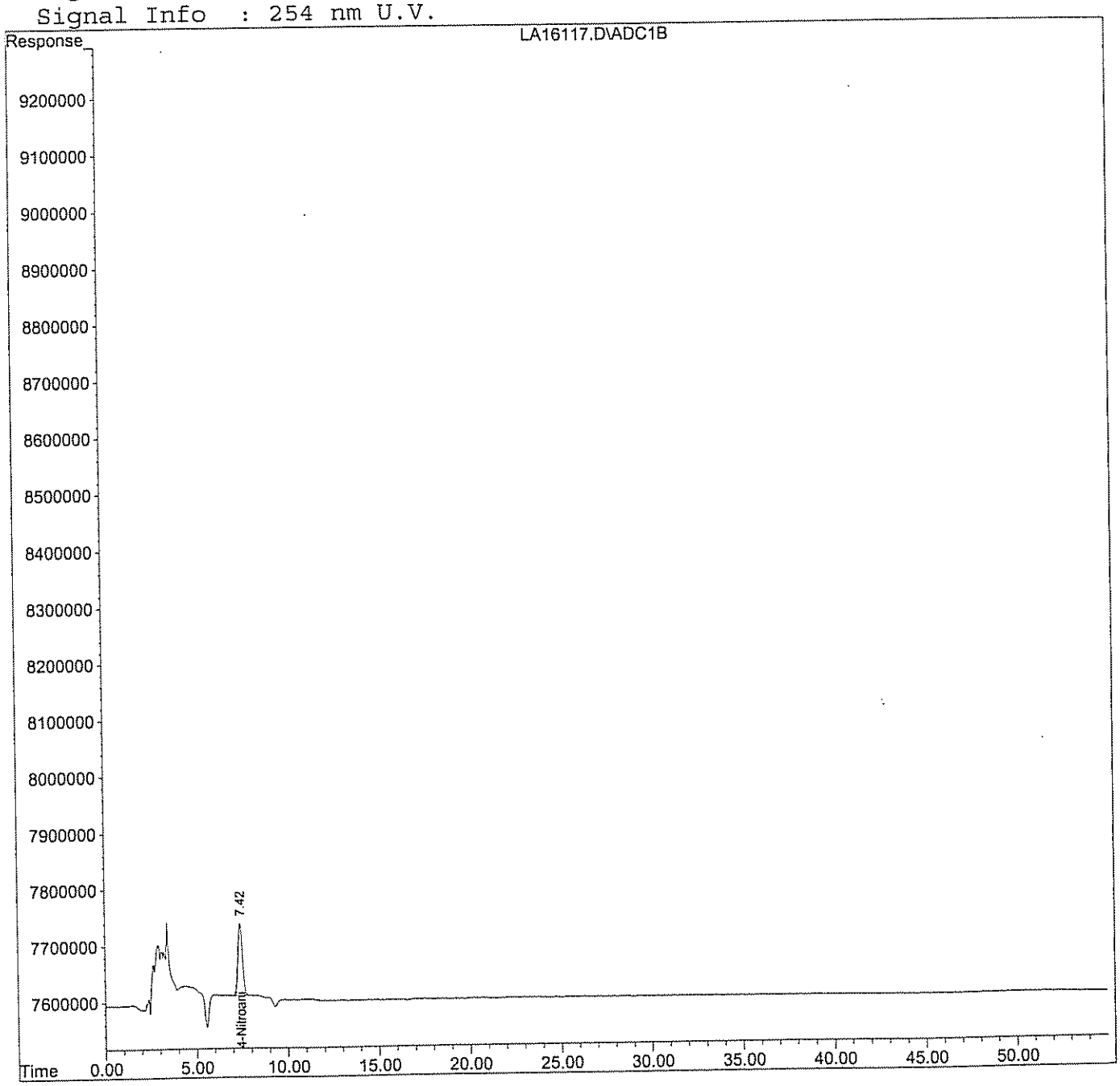
Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16117.D
Acq On : 11 Sep 2006 22:55
Sample : BLK83534/83538
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:30 2006 Quant Results File: 67258330.RES

Vial: 3
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16117.D
Acq On : 11 Sep 2006 22:55
Sample : BLK83547
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:07 2006 Quant Results File: 60607NG.RES

Vial: 3
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.42	21811057	177.922	PPB	m
Spiked Amount 300.000		Recovery =	59.31%		
Target Compounds					
2) M NITROGLYCERINE	0.00	0	N.D.	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

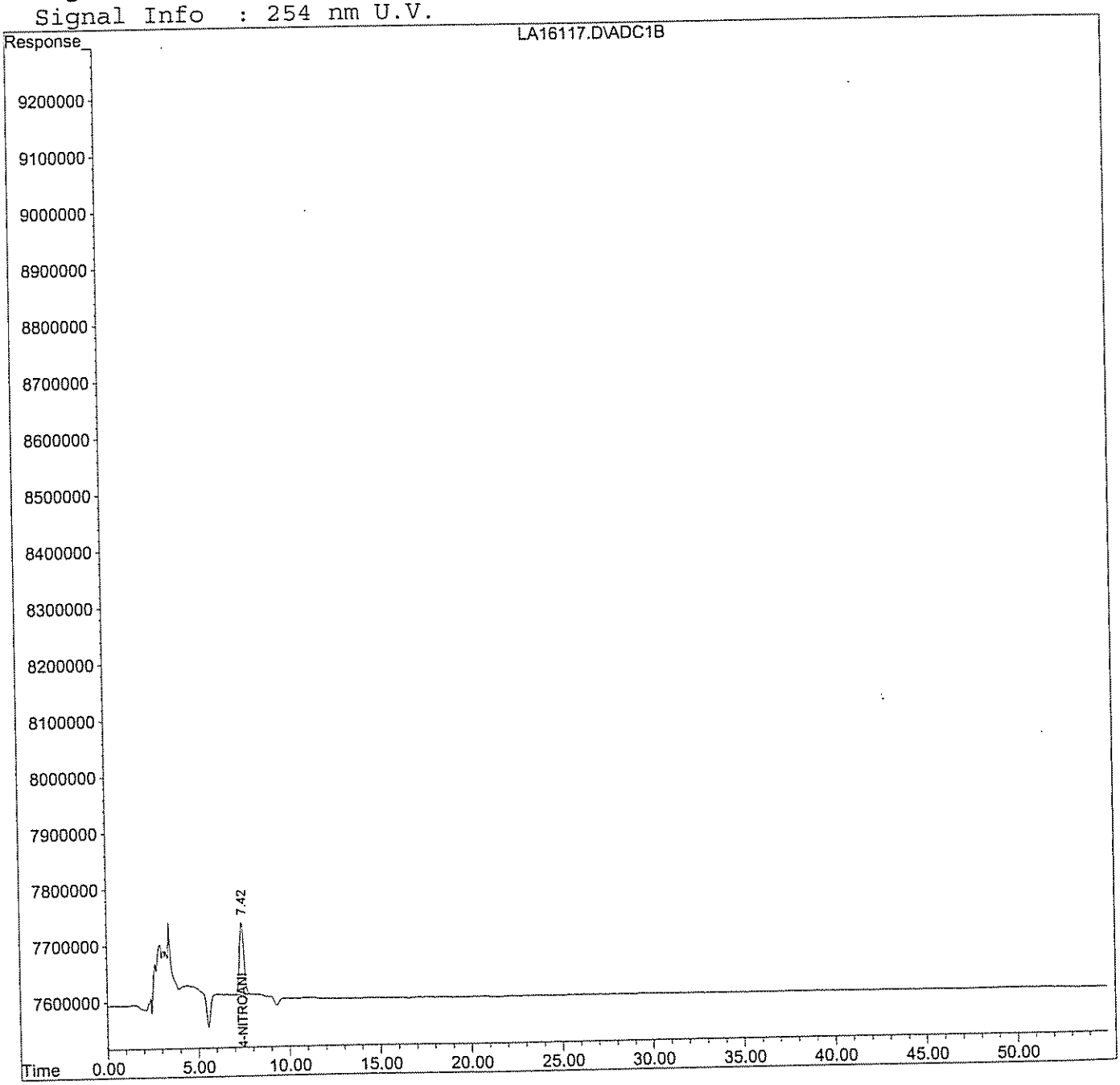
Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16117.D
Acq On : 11 Sep 2006 22:55
Sample : BLK83547
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:07 2006 Quant Results File: 60607NG.RES

Vial: 3
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MS
Sample Volume :	10.02	Lab File ID :	LA16119.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.44	
99-65-0	1,3-Dinitrobenzene	0.46	
118-96-7	2,4,6-Trinitrotoluene	0.48	
121-14-2	2,4-Dinitrotoluene	0.43	
606-20-2	2,6-Dinitrotoluene	0.50	
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.42	
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.39	
2691-41-0	HMX	0.47	
98-95-3	Nitrobenzene	0.45	
121-82-4	RDX	0.38	
479-45-8	Tetryl	0.42	
99-08-1	m-Nitrotoluene	0.45	
88-72-2	o-Nitrotoluene	0.48	
99-99-0	p-Nitrotoluene	0.47	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16119.D
Acq On : 12 Sep 2006 00:54
Sample : 608156-001-001-1/2MS
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:39 2006 Quant Results File: 67258330.RES

Vial: 5
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.45	16317328	124.763 ng/ml
Spiked Amount 150.000 Range 52 - 154		Recovery =	83.18%
Target Compounds			
1) T HMX	4.76	14611895	118.534 ng/ml
3) T 1,3,5-Trinitrobenzene	14.27	37999259	109.498 ng/mlm
4) T Tetryl	21.53	25776168	104.263 ng/ml
5) T 2,4,6-Trinitrotoluene	26.23	41468378	121.439 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	28.40	24075810	97.863 ng/ml
7) T 2,6-Dinitrotoluene	33.40	28326668	126.523 ng/ml
8) T 4-Nitrotoluene	47.01	24074627	117.740 ng/mlm
9) M RDX	9.50	15808076	96.276 ng/mlm
10) M 1,3-Dinitrobenzene	19.18	59465883	115.216 ng/ml
11) M Nitrobenzene	23.45	41903688	112.864 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	30.07	38502885	106.679 ng/ml
13) M 2,4-Dinitrotoluene	34.54	56727483	107.064 ng/ml
14) M 2-Nitrotoluene	43.65	27713819	119.859 ng/mlm
15) M 3-Nitrotoluene	51.22	29015847	113.759 ng/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

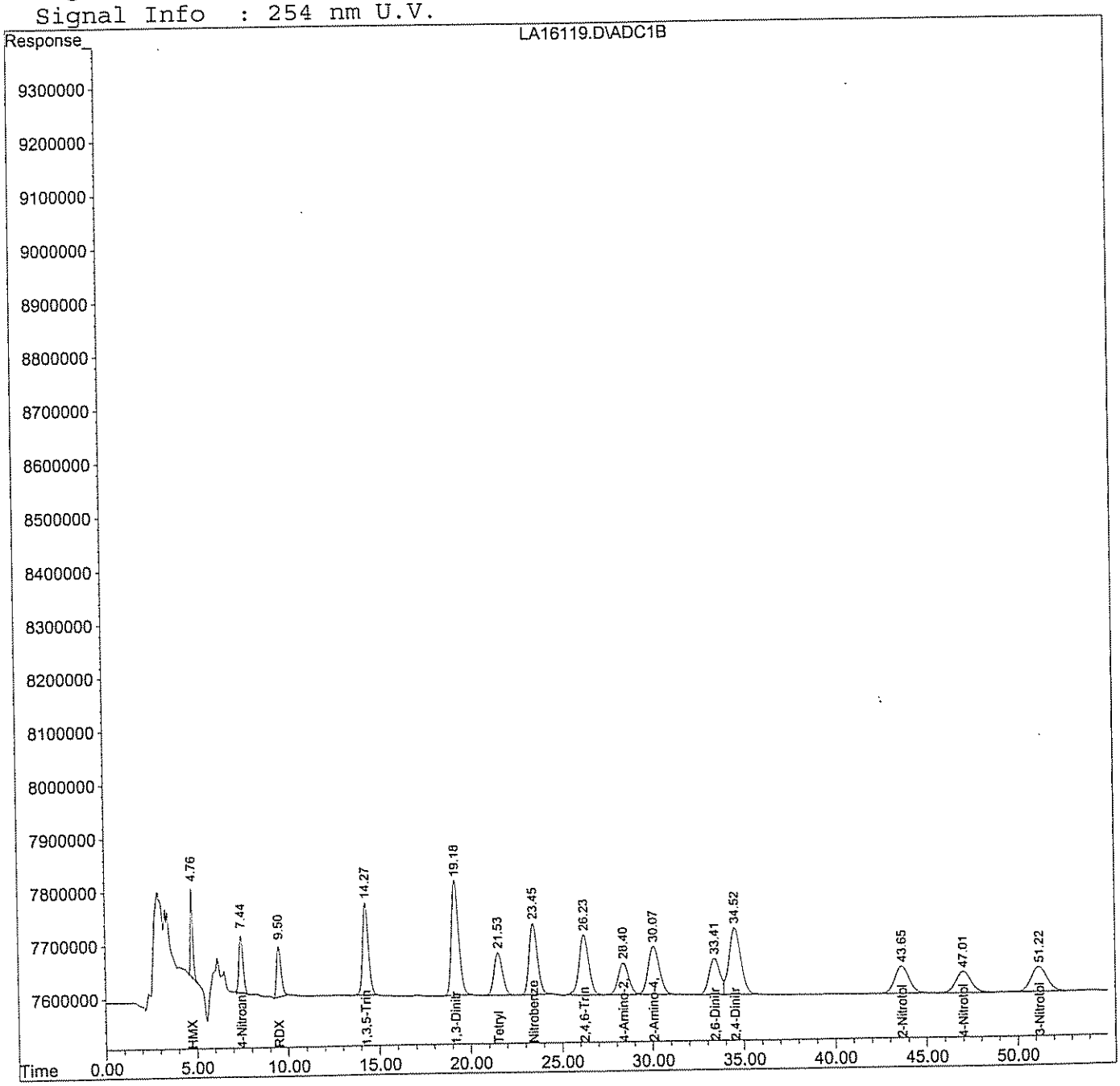
Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16119.D
Acq On : 12 Sep 2006 00:54
Sample : 608156-001-001-1/2MS
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:39 2006 Quant Results File: 67258330.RES

Vial: 5
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MSD
Sample Volume :	10.01	Lab File ID :	LA16120.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.44	
99-65-0	1,3-Dinitrobenzene	0.46	
118-96-7	2,4,6-Trinitrotoluene	0.48	
121-14-2	2,4-Dinitrotoluene	0.43	
606-20-2	2,6-Dinitrotoluene	0.50	
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.43	
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.40	
2691-41-0	HMX	0.46	
98-95-3	Nitrobenzene	0.45	
121-82-4	RDX	0.38	
479-45-8	Tetryl	0.41	
99-08-1	m-Nitrotoluene	0.46	
88-72-2	o-Nitrotoluene	0.48	
99-99-0	p-Nitrotoluene	0.45	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16120.D
Acq On : 12 Sep 2006 1:54
Sample : 608156-001-001-1/2MSD
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:41 2006 Quant Results File: 67258330.RES

Vial: 6
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.45	15919126	121.718 ng/ml
Spiked Amount 150.000 Range 52 - 154 Recovery = 81.15%			
Target Compounds			
1) T HMX	4.76	14323223	116.192 ng/ml
3) T 1,3,5-Trinitrobenzene	14.28	38207480	110.098 ng/mlm
4) T Tetryl	21.55	25650349	103.754 ng/ml
5) T 2,4,6-Trinitrotoluene	26.26	40993773	120.049 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	28.44	24387325	99.129 ng/ml
7) T 2,6-Dinitrotoluene	33.44	28252071	126.190 ng/ml
8) T 4-Nitrotoluene	47.07	23058117	112.768 ng/mlm
9) M RDX	9.50	15687742	95.543 ng/ml
10) M 1,3-Dinitrobenzene	19.20	59376387	115.043 ng/ml
11) M Nitrobenzene	23.47	41521461	111.835 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	30.12	38507673	106.693 ng/ml
13) M 2,4-Dinitrotoluene	34.58	56622400	106.866 ng/ml
14) M 2-Nitrotoluene	43.72	27629434	119.494 ng/mlm
15) M 3-Nitrotoluene	51.27	29372984	115.160 ng/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

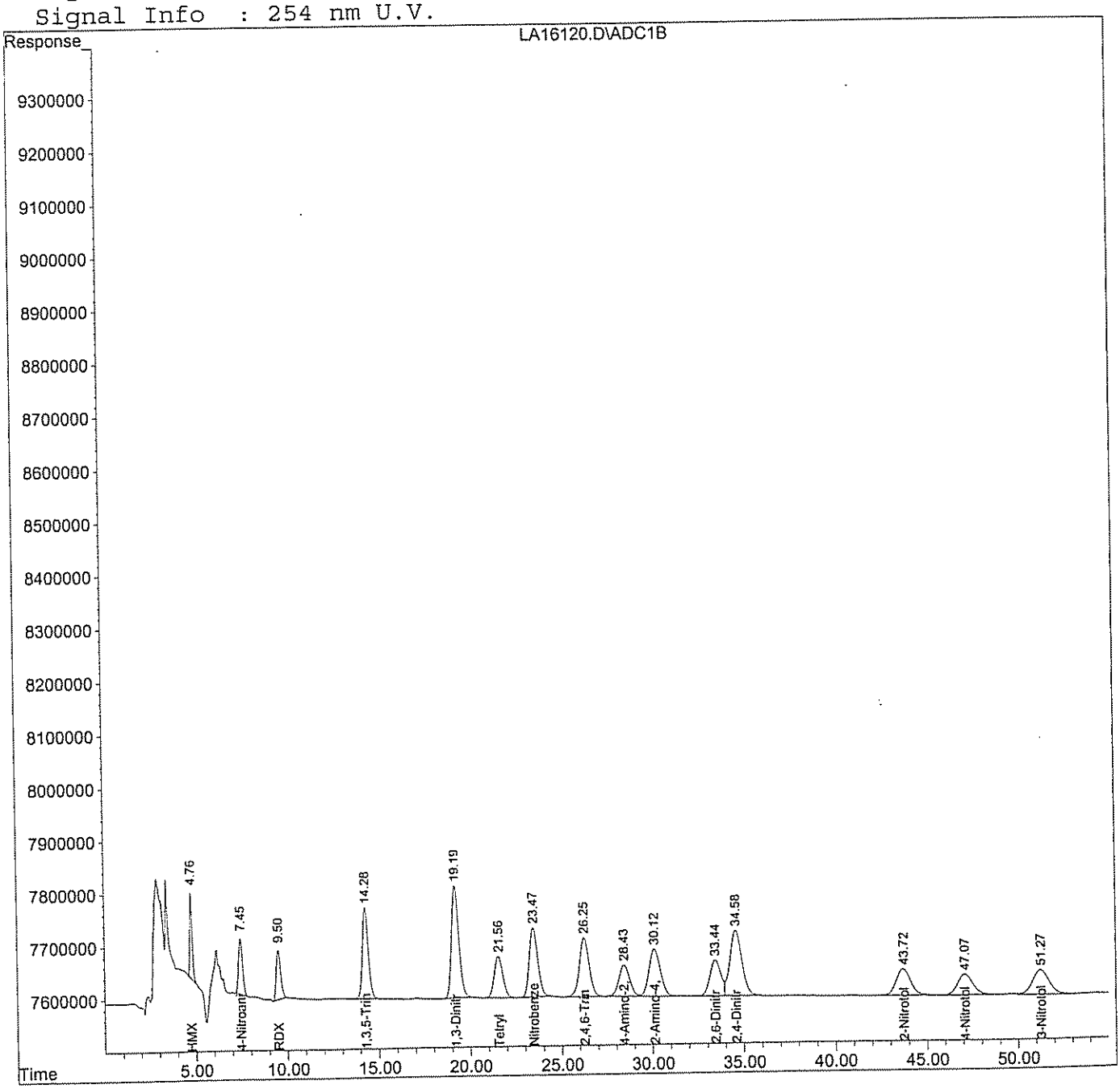
Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16120.D
Acq On : 12 Sep 2006 1:54
Sample : 608156-001-001-1/2MSD
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:41 2006 Quant Results File: 67258330.RES

Vial: 6
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MS
Sample Volume :	10	Lab File ID :	LA16122.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	12	

FORM I SW8330

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16122.D
Acq On : 12 Sep 2006 3:53
Sample : 608156-001-001-1/2MS
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Vial: 8
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.46	16430154	134.028	PPB	m
Spiked Amount 300.000		Recovery =	44.68%		
Target Compounds					
2) M NITROGLYCERINE	23.70	5294008	3.008	PPM	m

(f)=RT Delta > 1/2 Window (m)=manual int.

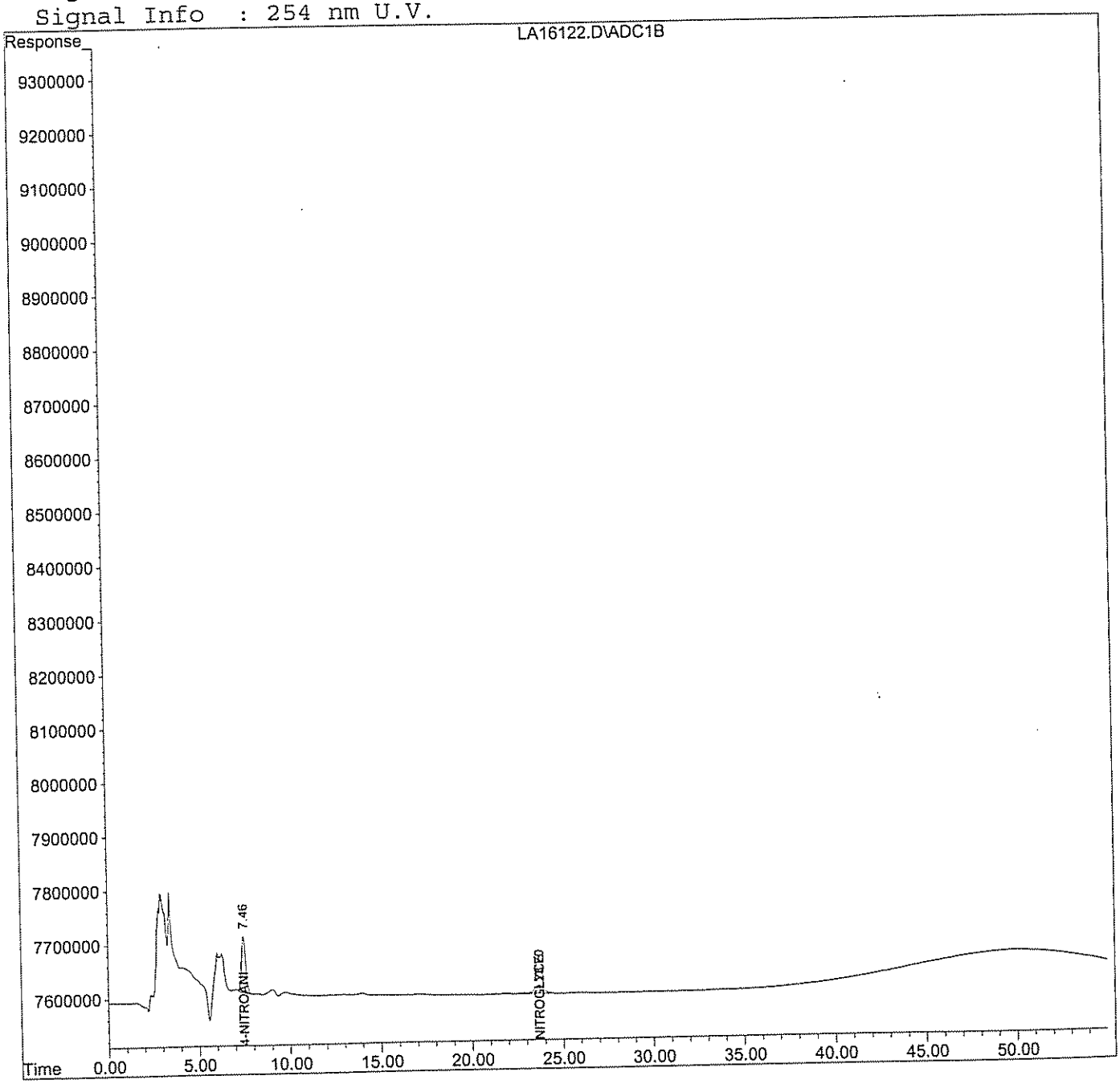
Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16122.D
Acq On : 12 Sep 2006 3:53
Sample : 608156-001-001-1/2MS
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Vial: 8
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MSD
Sample Volume :	10.02	Lab File ID :	LA16123.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	12	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16123.D
Acq On : 12 Sep 2006 4:52
Sample : 608156-001-001-1/2MSD
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Vial: 9
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-NITROANILINE	7.45	16487035	134.492 PPB
Spiked Amount 300.000		Recovery =	44.83%
Target Compounds			
2) M NITROGLYCERINE	23.69	5097271	2.896 PPM m

(f)=RT Delta > 1/2 Window (m)=manual int.

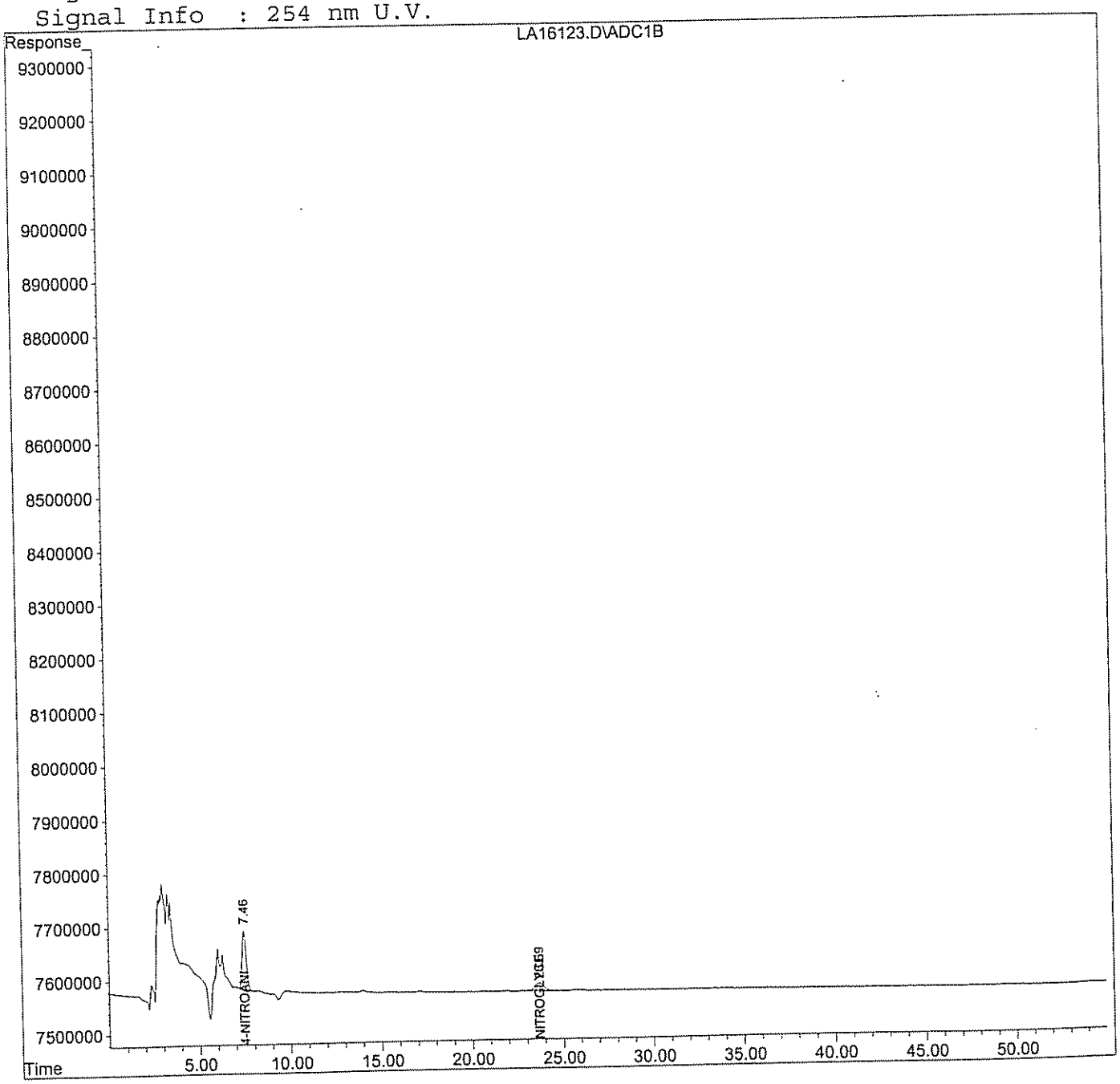
Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16123.D
Acq On : 12 Sep 2006 4:52
Sample : 608156-001-001-1/2MSD
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:08 2006 Quant Results File: 60607NG.RES

Vial: 9
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS83534

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BKS83534
Sample Volume :	10	Lab File ID :	LA16118.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/11/2006
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
99-35-4	1,3,5-Trinitrobenzene	0.41	
99-65-0	1,3-Dinitrobenzene	0.48	
118-96-7	2,4,6-Trinitrotoluene	0.50	
121-14-2	2,4-Dinitrotoluene	0.44	
606-20-2	2,6-Dinitrotoluene	0.53	
35572-78-2	2-Amino-4,6-Dinitrotoluene	0.48	
19406-51-0	4-Amino-2,6-Dinitrotoluene	0.47	
2691-41-0	HMX	0.51	
98-95-3	Nitrobenzene	0.46	
121-82-4	RDX	0.50	
479-45-8	Tetryl	0.33	
99-08-1	m-Nitrotoluene	0.47	
88-72-2	o-Nitrotoluene	0.50	
99-99-0	p-Nitrotoluene	0.47	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\LA16118.D
Acq On : 11 Sep 2006 23:55
Sample : BKS83534/83538
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:06 2006 Quant Results File: 67258330.RES

Vial: 4
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 4-Nitroaniline	7.44	20370409	155.752 ng/ml
Spiked Amount 150.000 Range 52 - 154		Recovery = 103.83%	
Target Compounds			
1) T HMX	4.75	15799305	128.166 ng/ml
3) T 1,3,5-Trinitrobenzene	14.26	35428553	102.090 ng/ml
4) T Tetryl	21.50	20453357	82.733 ng/ml
5) T 2,4,6-Trinitrotoluene	26.19	42512776	124.498 ng/ml
6) T 4-Amino-2,6-Dinitrotoluene	28.32	28681575	116.584 ng/ml
7) T 2,6-Dinitrotoluene	33.34	29595005	132.188 ng/ml
8) T 4-Nitrotoluene	46.92	24195228	118.330 ng/mlm
9) M RDX	9.49	20418494	124.354 ng/mlm
10) M 1,3-Dinitrobenzene	19.16	61664410	119.476 ng/ml
11) M Nitrobenzene	23.42	42556848	114.623 ng/ml
12) M 2-Amino-4,6-Dinitrotoluene	29.99	43506075	120.542 ng/ml
13) M 2,4-Dinitrotoluene	34.47	59037551	111.424 ng/ml
14) M 2-Nitrotoluene	43.57	28822846	124.655 ng/mlm
15) M 3-Nitrotoluene	51.13	29895080	117.207 ng/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

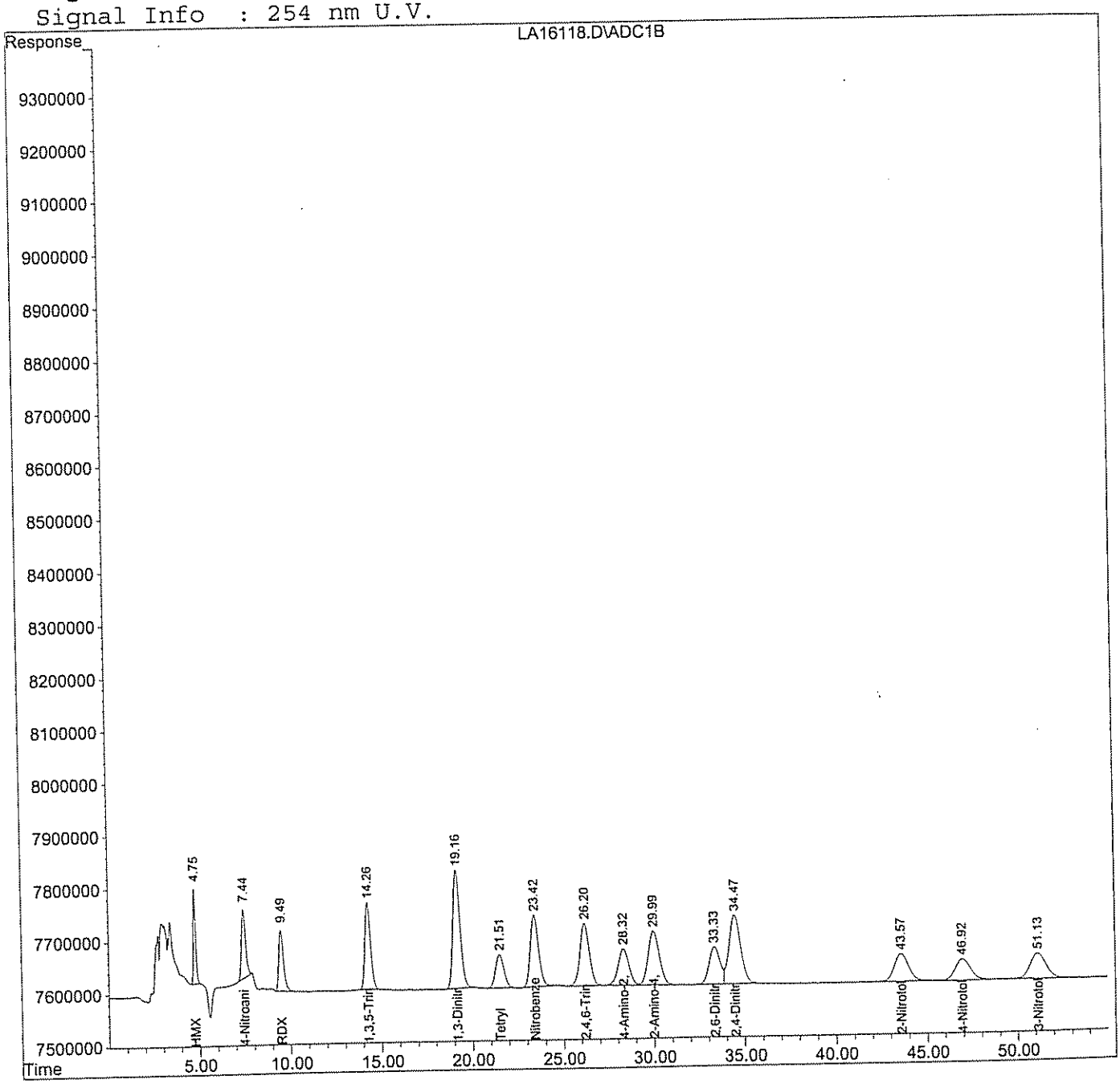
Quantitation Report

Data File : H:\LCDATA\LCA\091106\LA16118.D
Acq On : 11 Sep 2006 23:55
Sample : BKS83534/83538
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 7:06 2006 Quant Results File: 67258330.RES

Vial: 4
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\67258330.M (Chemstation Integrator)
Title : 8330 Explosives
Last Update : Tue Jul 25 09:45:54 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS83547

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BKS83547
Sample Volume :	10	Lab File ID :	LA16121.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
55-63-0	Nitroglycerine	11	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCA\091106\0911NG\LA16121.D
Acq On : 12 Sep 2006 2:53
Sample : BKS83547
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:53 2006 Quant Results File: 60607NG.RES

Vial: 7
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Initial Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-NITROANILINE	7.45	32056099	261.495	PPB	m
Spiked Amount 300.000		Recovery =	87.17%		
Target Compounds					
2) M NITROGLYCERINE	23.66	4877253	2.771	PPM	m

(f)=RT Delta > 1/2 Window (m)=manual int.

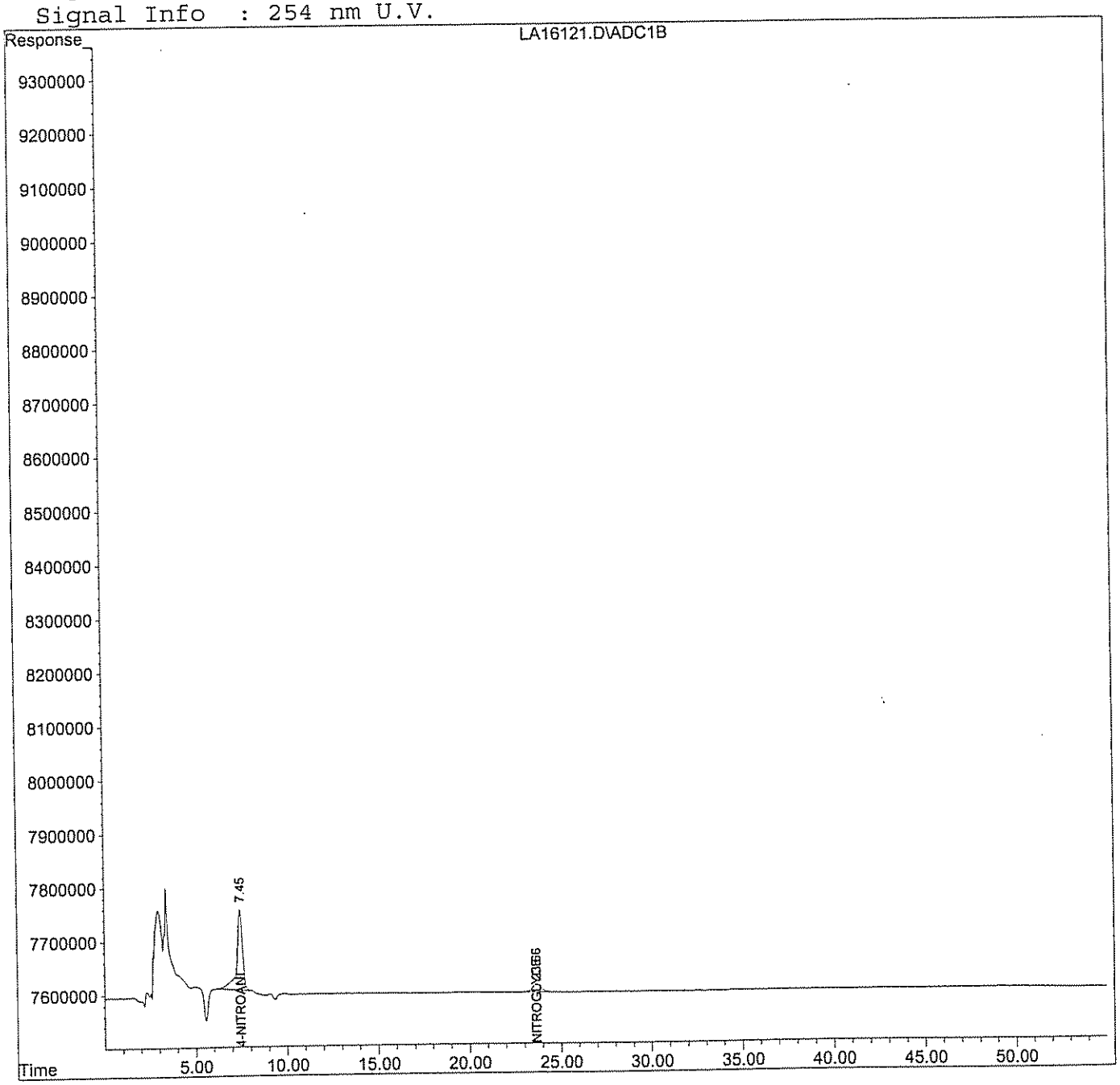
Quantitation Report

Data File : H:\LCDATA\LCA\091106\0911NG\LA16121.D
Acq On : 12 Sep 2006 2:53
Sample : BKS83547
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 6:53 2006 Quant Results File: 60607NG.RES

Vial: 7
Operator: AG
Inst : LCA
Multiplr: 1.00

Quant Method : H:\LCDATA\LCA\METHODS\60607NG.M (Chemstation Integrator)
Title : NITROGLYCERINE- 5 POINT IC PRIMARY
Last Update : Mon Aug 08 15:58:05 2005
Response via : Multiple Level Calibration
DataAcq Meth : 8330MIX.M

Volume Inj. : 100 uL
Signal Phase : C8
Signal Info : 254 nm U.V.



EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 09/05/06

Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NGC (S)

Extraction Chemist: N-P Date: 9-1-06 Spike Witness: D-S-S

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608156	BLK 83534	10.00	1.0	—	40.0
	BKS1	10.00		1.0 ⊙ + 0.4 Ⓐ	
	001 MS1	10.02		↓	
	001 MSD1	10.01		↓	
	BKS2	10.00		1.0 *	
	001 MS2	10.00		↓	
	001 MSD2	10.02		↓	
	001	10.01		—	
	002	10.03			
	003	10.02			
	004	10.00			
	005	10.00			
	006	10.03			
	007	10.03			
	008	10.00			
↓	009	10.01			
608158	001	10.04			
↓	002	10.01			
↓	006	10.00			
608150	001	10.00			
↓	002	10.00			
608148	004	10.02			
↓	005	10.01			
↓	006	10.03	↓	↓	↓

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 ⊙ Matrix Spike Conc.: 5.0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36672 Ⓐ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations:

Xenco 83534 for 8330 Soils WO's 608156, 608158, 608148

~~Xenco 83538 for 8330 Soils WO 608150~~

~~Xenco 83546 for 8330 Petn (S) for WO's 608156, 608158, 608150~~

Xenco 83547 for 8330 NG (S) for WO's 608156, 608158, 608150

EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 09/05/06

Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NG (S)

Extraction Chemist: N.P. Date: 9-1-06 Spike Witness: D-S-S

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608148	007	10-00	1-0	—	40-0

N.P. 9-6-06

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 ⊙ Matrix Spike Conc.: 5-0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36672 Ⓐ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations:

Lca P

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

8330 6725833o

Method File:	h:\lcdata\lca\methods
Detector/ Wavelength:	UV 254 nm
Injection Volume:	100 ul

Data File Path:	h:\lcdata\lca\072406
Mobile Phase:	8330-L49-59-31
Flow Rate:	0.9 ml/min

ICAL: 6725833o Analyst: S.S. Reviewed by: AG Date: 09/14/06

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LA						
LA						
LA						
LA						
LA						
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LA						

Injection Log

Directory: h:\lcdata\lca\072406

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	la15126.d	1.	8330MIX-BLK	C CAL	24 Jul 106 12::5
2	2	la15127.d	1.	8330MIX-LEV1	C CAL	24 Jul 106 12::4
3	3	la15128.d	1.	8330MIX-LEV2	C CAL	24 Jul 106 12::4
4	4	la15129.d	1.	8330MIX-LEV3	C CAL	24 Jul 106 13::4
5	5	la15130.d	1.	8330MIX-LEV4	C CAL	24 Jul 106 13::4
6	6	la15131.d	1.	8330MIX-LEV5	C CAL	25 Jul 106 13::4
7	7	la15132.d	1.	8330MIX-LEV6	C CAL	25 Jul 106 12::4
8	8	la15133.d	1.	8330MIX-ICV	C CAL	25 Jul 106 12::4
9	9	la15134.d	1.	8330MIX	C CAL	25 Jul 106 12::4
10	10	la15135.d	1.	BLK82682	WATER	25 Jul 106 12::4
11	11	la15136.d	1.	607135-020-020-1/1	WATER	25 Jul 106 12::4
12	12	la15137.d	1.	607136-005-009-1/2	WATER	25 Jul 106 12::4
13	13	la15138.d	1.	607135-001-012-1/1	SOIL	25 Jul 106 12::4
14	14	la15139.d	1.	607135-002-001-1/1	SOIL	25 Jul 106 12::4
15	15	la15140.d	1.	607135-003-002-1/1	SOIL	25 Jul 106 12::4
16	16	la15141.d	1.	607135-004-003-1/1	SOIL	25 Jul 106 13::4
17	17	la15142.d	1.	607135-005-004-1/1X20	SOIL	25 Jul 106 13::4
18	18	la15143.d	1.	607135-006-005-1/1	SOIL	25 Jul 106 13::4
19	19	la15144.d	1.	607135-007-006-1/1	SOIL	25 Jul 106 12::4
20	20	la15145.d	1.	8330MIX	C CAL	25 Jul 106 12::4
21	21	la15146.d	1.	607135-008-007-1/1	SOIL	25 Jul 106 12::4
22	22	la15147.d	1.	607135-009-008-1/1	SOIL	25 Jul 106 12::3
23	23	la15148.d	1.	607135-010-009-1/1	SOIL	25 Jul 106 12::3
24	24	la15149.d	1.	BLK82697	SOIL	25 Jul 106 12::3
25	25	la15150.d	1.	BKS82582	WATER	25 Jul 106 12::3
26	26	la15151.d	1.	BKSD82582	WATER	25 Jul 106 12::3
27	27	la15152.d	1.	BKS82697	SOIL	25 Jul 106 12::3
28	28	la15153.d	1.	607135-002-001-1/1MS	SOIL	25 Jul 106 13::3
29	29	la15154.d	1.	607135-002-001-1/1MSD	SOIL	25 Jul 106 13::3
30	30	la15155.d	1.	606159-002-002-1/1(1:10)	SOIL	26 Jul 106 13::3
31	31	la15156.d	1.	606159-006-006-1/1(1:10)	SOIL	26 Jul 106 12::3
32	32	la15157.d	1.	8330MIX	C CAL	26 Jul 106 12::3
33	33	la15158.d	1.	BLK82732	SOIL	26 Jul 106 12::3
34	34	la15159.d	1.	BKS82732	SOIL	26 Jul 106 12::3
35	35	la15160.d	1.	607162-004-004-1/1MS	SOIL	26 Jul 106 12::3
36	36	la15161.d	1.	607162-004-004-1/1MSD	SOIL	26 Jul 106 12::3
37	37	la15162.d	1.	607162-003-003-1/1	SOIL	26 Jul 106 12::3
38	38	la15163.d	1.	607162-004-004-1/1	SOIL	25 Jul 106 12::3
39	39	la15164.d	1.	607162-005-005-1/1	SOIL	26 Jul 106 12::3
40	40	la15165.d	1.	607162-006-006-1/1	SOIL	26 Jul 106 13::3

Remarks	Standard	Solution ID	Conc.	Date Prep.
90402 8330 91372 8330A	8330 mix	37486	10/20 ppm	07/21/06

Lca P

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

833cNG 60607NG

Method File: h:\Lcdata\Lca\methods	Data File Path: h:\Lcdata\Lca\060706
Detector/ Wavelength: UV 254 nm	Mobile Phase: 8330-L49-57-25
Injection Volume: 100 ul	Flow Rate: 0-9 ml/min

ICAL: 60607NG Analyst: S.S. Reviewed by: AG Date: 09/14/06

File	Lab ID	Date	Dilution	Column	Matrix	Comments
LA 14359	833cNG-BLK	06/07/06	1	C8	C cal	
LA 60	-LEV1					
LA 61	-LEV2					
LA 62	-LEV3					
LA 63	-LEV4					
LA 64	-LEV5					
LA 65	-ICV					# 36674
LA						
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LA						
LA						
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S.S. 06/08/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
# 79894	4-Nitroanaline	36170	10ppm	02/14/06
	Nitroglycerine	36933	100ppm	05/16/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC # A (HP1100)

Method File: h:\lcdata\lca\methods	
Detector/ Wavelength: UV	
Injection Volume: 100 ul	

Data File Path: h:\lcdata\lca\091108	
Mobile Phase: 8330-L49-61-25.	
Flow Rate: 0.9 ml/min.	

ICAL: 6725833.1/6060710 G. Analyst: AG Reviewed by: S S Date: 09/18/06

Injection Log

Directory: h:\lcdata\lca\091106

	Line	Vial	FileName	Multiplier	SampleName	8330	NG	Misc Info	Injected	Comments	Conc.	Date Prep.
LA	1		la16115.d	1.	8330mix	ok	ok					
LA	2	2	la16116.d	1.	8330NG	ok	ok	CCAL	11 Sep			
	3	3	la16117.d	1.	BLK83534	ok	ok	SOIL	11 Sep			
	4	4	la16118.d	1.	BKS83534	ok	ok	SOIL	11 Sep			
LA	5	5	la16119.d	1.	608156-001-001-1/2MS	ok	ok	SOIL	12 Sep			
	6	6	la16120.d	1.	608156-001-001-1/2MSD	ok	ok	SOIL	12 Sep			
LA	7	7	la16121.d	1.	BKS83547	ok	ok	SOIL	12 Sep			
	8	8	la16122.d	1.	608156-001-001-1/2MS	ok	ok	SOIL	12 Sep			
LA	9	9	la16123.d	1.	608156-001-001-1/2MSD	ok	ok	SOIL	12 Sep			
	10	10	la16124.d	1.	608156-001-001-1/2	ok	cmf	SOIL	12 Sep			
LA	11	11	la16125.d	1.	608156-002-003-1/2	cmf	ok	SOIL	12 Sep			
	12	12	la16126.d	1.	608156-003-005-1/2	cmf	ok	SOIL	12 Sep			
	13	13	la16127.d	1.	BLK			ACN	12 Sep			
LA	14	14	la16128.d	1.	8330MIX	ok	ok	CCAL	12 Sep			
	15	15	la16129.d	1.	8330NG	ok	ok	CCAL	12 Sep			
LA	16	16	la16130.d	1.	608156-004-007-1/2	ok	ok	SOIL	12 Sep			
	17	17	la16131.d	1.	608156-005-009-1/2	ok	ok	SOIL	12 Sep			
LA	18	18	la16132.d	1.	608156-006-011-1/2	cmf	cmf	SOIL	12 Sep			
	19	19	la16133.d	1.	608156-007-013-1/2	cmf	ok	SOIL	12 Sep			
LA	20	20	la16134.d	1.	608156-008-015-1/2	ok	ok	SOIL	12 Sep			
	21	21	la16135.d	1.	608156-009-017-1/2	ok	ok	SOIL	12 Sep			
LA	22	22	la16136.d	1.	608158-001-001-1/2	cmf	cmf	SOIL	12 Sep			
	23	23	la16137.d	1.	608158-002-003-1/2	ok	ok	SOIL	12 Sep			
	24	24	la16138.d	1.	608158-006-009-1/2	cmf	ok	SOIL	12 Sep			
LA	25	25	la16139.d	1.	608150-001-003-1/1	ok	cmf	SOIL	12 Sep			
	26	26	la16140.d	1.	BLK			ACN	12 Sep			
LA	27	27	la16141.d	1.	8330MIX	ok	ok	CCAL	12 Sep			
	28	28	la16142.d	1.	8330NG	ok	ok	CCAL	12 Sep			
	29	29	la16143.d	1.	608150-002-004-1/1	cmf	ok	SOIL	13 Sep			
LA	30	30	la16144.d	1.	608148-004-014-1/1	cmf	cmf	SOIL	13 Sep			
	31	31	la16145.d	1.	608148-005-015-1/1	cmf	cmf	SOIL	13 Sep			
LA	32	32	la16146.d	1.	608148-006-016-1/1	cmf	cmf	SOIL	13 Sep			
	33	33	la16147.d	1.	608148-007-017-1/1	cmf	cmf	SOIL	13 Sep			
LA	34	34	la16148.d	1.	BLK83338	ok	ok	WATER	13 Sep			
	35	35	la16149.d	1.	BKS83338	ok	ok	WATER	13 Sep			
	36	36	la16150.d	1.	BKS83336	ok	ok	WATER	13 Sep			
LA	37	37	la16151.d	1.	608126-012-013-1/2	ok	ok	WATER	13 Sep			
	38	38	la16152.d	1.	608126-001-012-1/2	ok	ok	WATER	13 Sep			
LA	39	39	la16153.d	1.	8330MIX	ok	ok	CCAL	13 Sep			
	40	40	la16154.d	1.	8330NG	ok	ok	CCAL	13 Sep			
LA	41	41	la16155.d	1.	BLK83420	ok	ok	WATER	13 Sep			
	42	42	la16156.d	1.	BKS83420	ok	ok	WATER	13 Sep			
LA	43	43	la16157.d	1.	BKS83419	ok	ok	WATER	13 Sep			
	44	44	la16158.d	1.	608145-001-001-1/1	ok	ok	WATER	13 Sep			
LA	45	45	la16159.d	1.	608145-003-002-1/3	ok	ok	WATER	13 Sep			
	46	46	la16160.d	1.	608145-004-008-1/1	ok	ok	WATER	13 Sep			
LA	47	47	la16161.d	1.	608126-005-015-1/2	ok	ok	WATER	13 Sep			
	48	48	la16162.d	1.	608128-003-008-1/2	ok	ok	WATER	13 Sep			
	49	49	la16163.d	1.	608128-004-010-1/2	ok	ok	WATER	13 Sep			
LA	50	50	la16164.d	1.	608128-005-012-1/2	ok	ok	WATER	13 Sep			
	51	51	la16165.d	1.	8330MIX	ok	ok	CCAL	13 Sep			
LA	52	52	la16166.d	1.	8330NG	ok	ok	CCAL	13 Sep			
	53	53	la16167.d	1.	BLK83285/83406	ok	ok	WATER	14 Sep			
	54	54	la16168.d	1.	BKS83285	ok	ok	WATER	14 Sep			
	55	55	la16169.d	1.	608096-004-029-1/8MS	ok	ok	WATER	14 Sep			
	56	56	la16170.d	1.	608096-004-029-1/8MSD	ok	ok	WATER	14 Sep			
	57	57	la16171.d	1.	BKS83406	ok	ok	WATER	14 Sep			

Page 1 14 Sep 06 07:59

8330mix	# 37486	10/20 ppm
4-Nitroaniline	# 37239	10 ppm
Nitroglycerine	# 37153	100 ppm

HPLC ANALYSIS LOGBOOK

Lcb

Instrument ID: LC #B 8330 Comb c73006c

Method File:	h:\lcdata\LCB\Methods.	Data File Path:	i:\Lcdata\LcB\073006
Detector(s):	UV	Mobile Phase:	60% Di water + 5% MeOH + 35% ACN.
Pump(s):	515 HPLC	Flow Rate:	1.0 mL/Min
Autosampler:	717 plus	Detector Wavelength:	254
Column:	CN	Injection Volume:	100 uL.

ICAL Method: 073006C Analyst: AG Reviewed by: SS Date: 8/07/06

Injection Log

Directory: i:\lcdata\lcb\073006

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	LB35282.D	1.	8330MIX-LEV-4	CAL	30 Jul 106 13::2
2	1	LB35283.D	1.	BLK	CAL	30 Jul 106 12::1
3	2	LB35284.D	1.	8330MIX-LEV-1	CAL	30 Jul 106 12::1
4	3	LB35285.D	1.	8330MIX-LEV-2	CAL	30 Jul 106 12::0
5	4	LB35286.D	1.	8330MIX-LEV-3	CAL	30 Jul 106 12::5
6	5	LB35287.D	1.	8330MIX-LEV-4	CAL	30 Jul 106 12::4
7	6	LB35288.D	1.	8330MIX-LEV-5	CAL	30 Jul 106 12::3
8	7	LB35289.D	1.	8330MIX-LEV-6	CAL	30 Jul 106 12::2
9	8	LB35290.D	1.	8330MIX-ICV	CAL	30 Jul 106 12::1
10	9	LB35291.D	1.	8330MIX	CAL	30 Jul 106 12::0
11	10	LB35292.D	1.	8330NG-LEV-1	CAL	31 Jul 106 13::1
12	11	LB35293.D	1.	8330NG-LEV-2	CAL	31 Jul 106 13::0
13	12	LB35294.D	1.	8330NG-LEV-3	CAL	31 Jul 106 12::0
14	13	LB35295.D	1.	8330NG-LEV-4	CAL	31 Jul 106 12::5
15	14	LB35296.D	1.	8330NG-LEV-5	CAL	31 Jul 106 12::4
16	15	LB35297.D	1.	8330NG-LEV-ICV	CAL	31 Jul 106 12::1
17	16	LB35298.D	1.	8330NG-3	CAL	31 Jul 106 12::0
18	17	LB35299.D	1.	8330MIX	CAL	31 Jul 106 12::0

Not used

LB					
LB					
LB					
LB					
LB					
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LB					

Remarks	Standard	Solution ID	Conc.	Date Prep.
	8330 Mix	37486	1020 ppm	07/21/06
	4-nitroaniline	37239	10 ppm	07/24/06
	nitroglycerine	37153	37153	06/15/06
AG 07/06/06	~~8330 ICV~~	-	100 ppm	
	8330 ICV	37554	1020 ppm	07/27/06

LcB C.

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B 8 NG 6802NGCo

Method File:	h:\lcdata\LCB\Method s.	Data File Path:	I:\Lcdata\ LCB 080206
Detector(s):	UV.	Mobile Phase:	60% .01 water + 5% MeOH + 35% ACN.
Pump(s):	515HPLC.	Flow Rate:	1.0 mL/min.
Autosampler:	717 plus -	Detector Wavelength:	254
Column:	CN.	Injection Volume:	100 µL

ICAL Method: 6802NG GenC Analyst: AG. Reviewed by: [illegible] Date: 8/11/06

Injection Log

Directory: i:\lcdata\lcb\080206

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	LB35344.D	1.	8330NG-BLK	CCAL	2 Aug 106 12::0
2	2	LB35345.D	1.	8330NG-LEV1	CCAL	2 Aug 106 12::5
3	3	LB35346.D	1.	8330NG-LEV2	CCAL	2 Aug 106 12::4
4	4	LB35347.D	1.	8330NG-LEV3	CCAL	2 Aug 106 12::3
5	5	LB35348.D	1.	8330NG-LEV4	CCAL	2 Aug 106 13::2
6	6	LB35349.D	1.	8330NG-LEV5	CCAL	2 Aug 106 13::2
7	7	LB35350.D	1.	8330NG-ICV	CCAL	3 Aug 106 13::1
8	8	LB35351.D	1.	BLK	ACN	3 Aug 106 12::0

LB					
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LB					

AG 08/11/06

Remarks	Standard	Solution ID	Conc.	Date Prep.
	4-nitroaniline	37239	10PPM	07/24/06
	Nitroglycerine	37153	100 PPM	06/15/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B

Method File:	h:\lcdata\lcb\methods	Data File Path:	h:\lcdata\lcb\091406
Detector(s):	UV	Mobile Phase:	833Ccb - L49-62-01
Pump(s):	515 waters	Flow Rate:	1.00 ml/min
Autosampler:	717 waters	Detector Wavelength:	254 nm
Column:	Polar	Injection Volume:	100 ul

ICAL Method: 7300bc Analyst: AC Reviewed by: SS Date: 09/15/06

Injection Log

Directory: h:\lcdata\lcb\091406

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1		lb36147.d	1.	8330 Mix ok		
2	2	lb36148.d	1.	8330NG ok		
3	3	lb36149.d	1.	608148-004	C CAL	14 Sep
4	4	lb36150.d	1.	608089-001	SOIL	14 Sep
5	5	lb36151.d	1.	608089-005	SOIL	14 Sep
6	6	lb36152.d	1.	608089-006	SOIL	14 Sep
7	7	lb36153.d	1.	608089-007	SOIL	14 Sep
8	8	lb36154.d	1.	608089-008	SOIL	14 Sep
9	9	lb36155.d	1.	608101-001	SOIL	14 Sep
10	10	lb36156.d	1.	608101-002	SOIL	14 Sep
11	11	lb36157.d	1.	608101-003	SOIL	14 Sep
12	12	lb36158.d	1.	608101-005	SOIL	14 Sep
13	13	lb36159.d	1.	8330MIX ok	CCAL	14 Sep
14	14	lb36160.d	1.	8330NG ok	CCAL	14 Sep
15	15	lb36161.d	1.	608108-001	SOIL	14 Sep
16	16	lb36162.d	1.	608156-001	SOIL	15 Sep
17	17	lb36163.d	1.	608156-002	SOIL	15 Sep
18	18	lb36164.d	1.	608156-003	SOIL	15 Sep
19	19	lb36165.d	1.	608156-006	SOIL	15 Sep
20	20	lb36166.d	1.	608156-007	SOIL	15 Sep
21	21	lb36167.d	1.	608158-001	SOIL	15 Sep
22	22	lb36168.d	1.	608158-006	SOIL	15 Sep
23	23	lb36169.d	1.	608150-001	SOIL	15 Sep
24	24	lb36170.d	1.	8330MIX ok	CCAL	15 Sep
25	25	lb36171.d	1.	8330NG ok	CCAL	15 Sep
26	26	lb36172.d	1.	608150-002	SOIL	15 Sep
27	27	lb36173.d	1.	608124-004	SOIL	15 Sep
28	28	lb36174.d	1.	608124-005	SOIL	15 Sep
29	29	lb36175.d	1.	608124-006	SOIL	15 Sep
30	30	lb36176.d	1.	608124-008	SOIL	15 Sep
31	31	lb36177.d	1.	608124-010	SOIL	15 Sep
32	32	lb36178.d	1.	608124-011	SOIL	15 Sep
33	33	lb36179.d	1.	608124-012	SOIL	15 Sep
34	34	lb36180.d	1.	8330MIX ok	CCAL	15 Sep
35	35	lb36181.d	1.	8330NG ok	CCAL	15 Sep

Remarks

Standard	Solution ID	Conc.	Date Prep.
8330 mix	37909	10/200ppm	08/22/06
4-nitroaniline	37239	10 ppm	06/29/06
nitroglycerine	37153	100 ppm	06/15/06

LOW IMPACT EXPLOSIVES AND PROPELLANTS

(PETN)

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8330** **SDG No : 608158**

Surrogate	NO2ANIL4
Lower QC Limits	**31**
Upper QC Limits	**129**
Sample ID	
BKS83546	118
BLK83546	122
NWO-017-0044	101
NWO-017-0045	104
NWO-017-1011	89

* Value outside of QC Limts

NO2ANIL4 = 4-Nitroaniline

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
NWO-017-0022MSD

Lab Name : GPL Laboratories SDG NO : 608156 Method : SW8330

Lab Code : GPL Lab Sample ID : 608156-001-001-1/2MSD Matrix : SOIL Analysis Date : 09/12/2006

Compound	Spike Added (mg/kg)		CONCENTRATION (mg/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Nitroglycerine	20	20	0.0	12	12	60	60	0	25	50-150
Pentaerythritol Tetranitrate	.4	.4	0.0	0.48	0.50	120	125	4	25	77-150

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 2 Outside Limit
Spike Recovery : 0 Out of 4 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS83546

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8330

Contract. : Camp Addair - Shaw FUDS MMRP Site - 017
SDG NO : 608158
Lab Sample ID : BKS83546
Analysis Date : 09/12/2006

COMPOUND	SPIKE ADDED (mg/kg)	BLANK CONCENTRATION (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC	QC LIMTS
Pentaerythritol Tetranitrate	.4	0	0.45	113	46-134

* Values Outside of QC Limits.

Spike recovery: 0 out of 1 outside limits

GPL Laboratories

GPL
FORM 4
EXPLOSIVE METHOD BLANK SUMMARY

SAMPLE NO
BLK83546

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	83546
Lab File ID :	LB36096.D	SDG NO :	608158
Date Analyzed	09/12/2006	Lab Sample ID :	BLK83546
Date Extracted :	09/01/2006	Time Analyzed :	08:25
Matrix :(Soil/Water).	SOIL	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS83546	BKS83546	LB36097.D	09/12/2006
NWO-017-0044	608158-001-001-1/2	LB36111.D	09/12/2006
NWO-017-1011	608158-002-003-1/2	LB36112.D	09/12/2006
NWO-017-0045	608158-006-009-1/2	LB36113.D	09/12/2006

B. Sample Data

1. TCL Results

2. Chromatographs from Primary and Confirmatory Analyses

3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0044

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-001-001-1/2
Sample Volume :	10.04	Lab File ID :	LB36111.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36111.D Vial: 17
Acq On : 12 Sep 2006 13:44 Operator: ST.
Sample : 608158-001-003-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:28 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	44373643	152.109 PPB
Spiked Amount 300.000		Recovery =	50.70%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

(f)=RT Delta > 1/2 Window (m)=manual int.

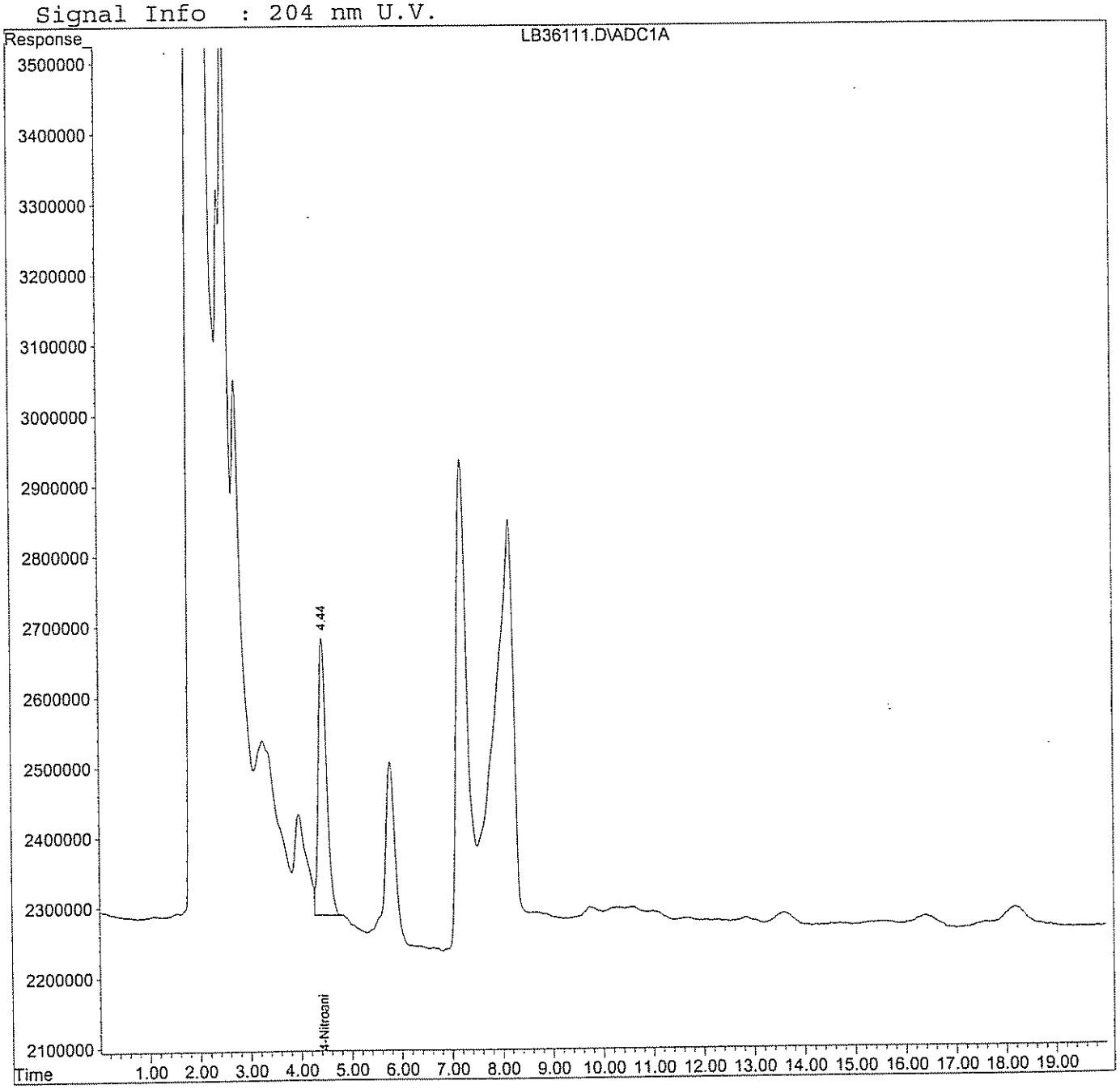
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36111.D
Acq On : 12 Sep 2006 13:44
Sample : 608158-001-003-1/2
Misc : SOIL
IntFile : events.e
Quant Time: Sep 18 11:28 2006 Quant Results File: 6515PTN.RES

Vial: 17
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-1011

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-002-003-1/2
Sample Volume :	10.01	Lab File ID :	LB36112.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36112.D
Vial: 18
Acq On : 12 Sep 2006 14:05
Operator: ST.
Sample : 608158-002-005-1/2
Inst : LCB
Misc : SOIL
Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:28 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.46	39085467	133.673	PPB	m
Spiked Amount 300.000		Recovery =	44.56%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

(f)=RT Delta > 1/2 Window
(m)=manual int.

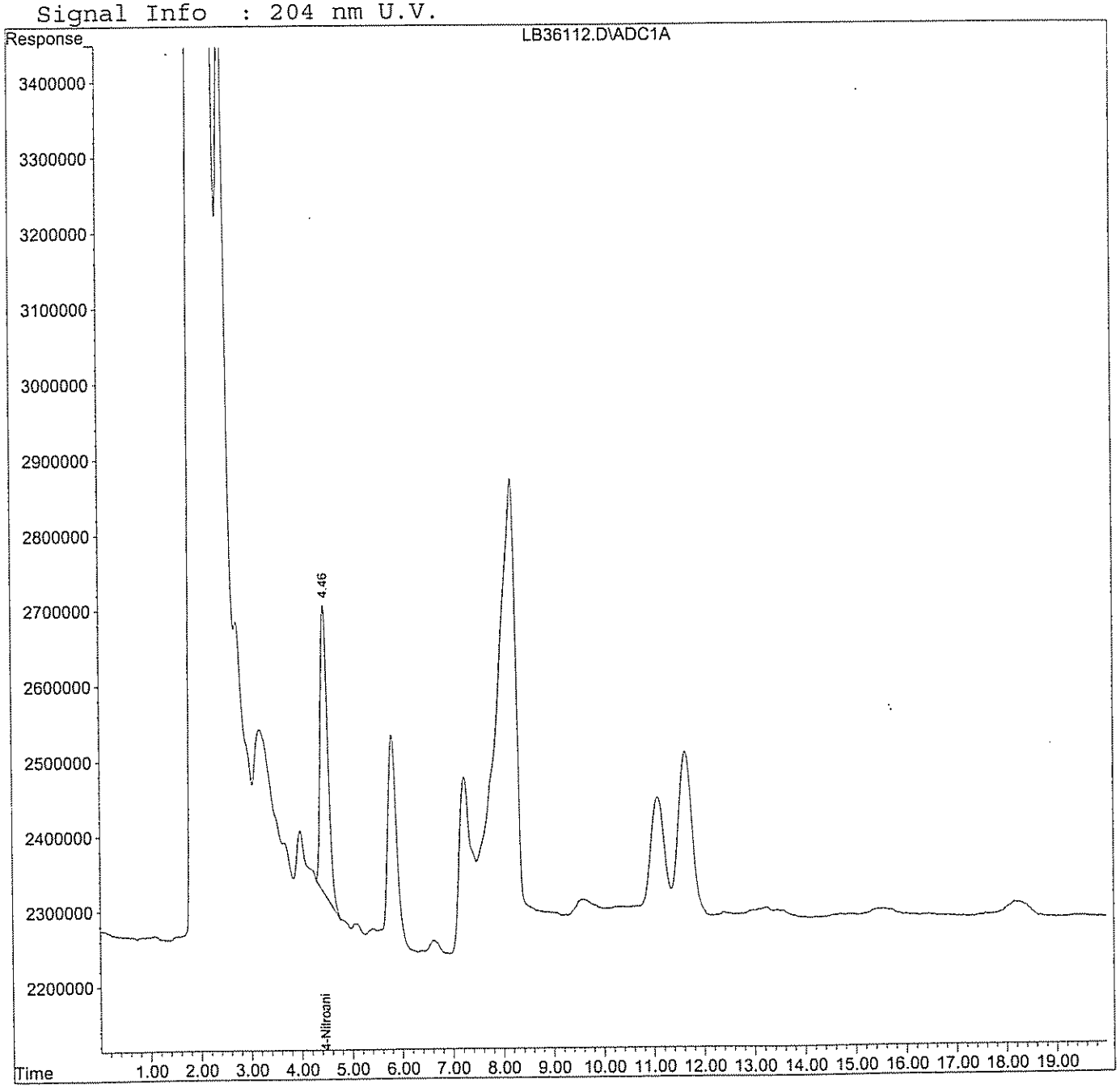
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36112.D
Acq On : 12 Sep 2006 14:05
Sample : 608158-002-005-1/2
Misc : SOIL
IntFile : events.e
Quant Time: Sep 18 11:28 2006 Quant Results File: 6515PTN.RES

Vial: 18
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0045

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608158-006-009-1/2
Sample Volume :	10	Lab File ID :	LB36113.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36113.D Vial: 19
Acq On : 12 Sep 2006 14:27 Operator: ST.
Sample : 608158-006-009-1/2 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 18 11:29 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	45501157	156.040 PPB m
Spiked Amount 300.000		Recovery =	52.01%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

(f)=RT Delta > 1/2 Window (m)=manual int.

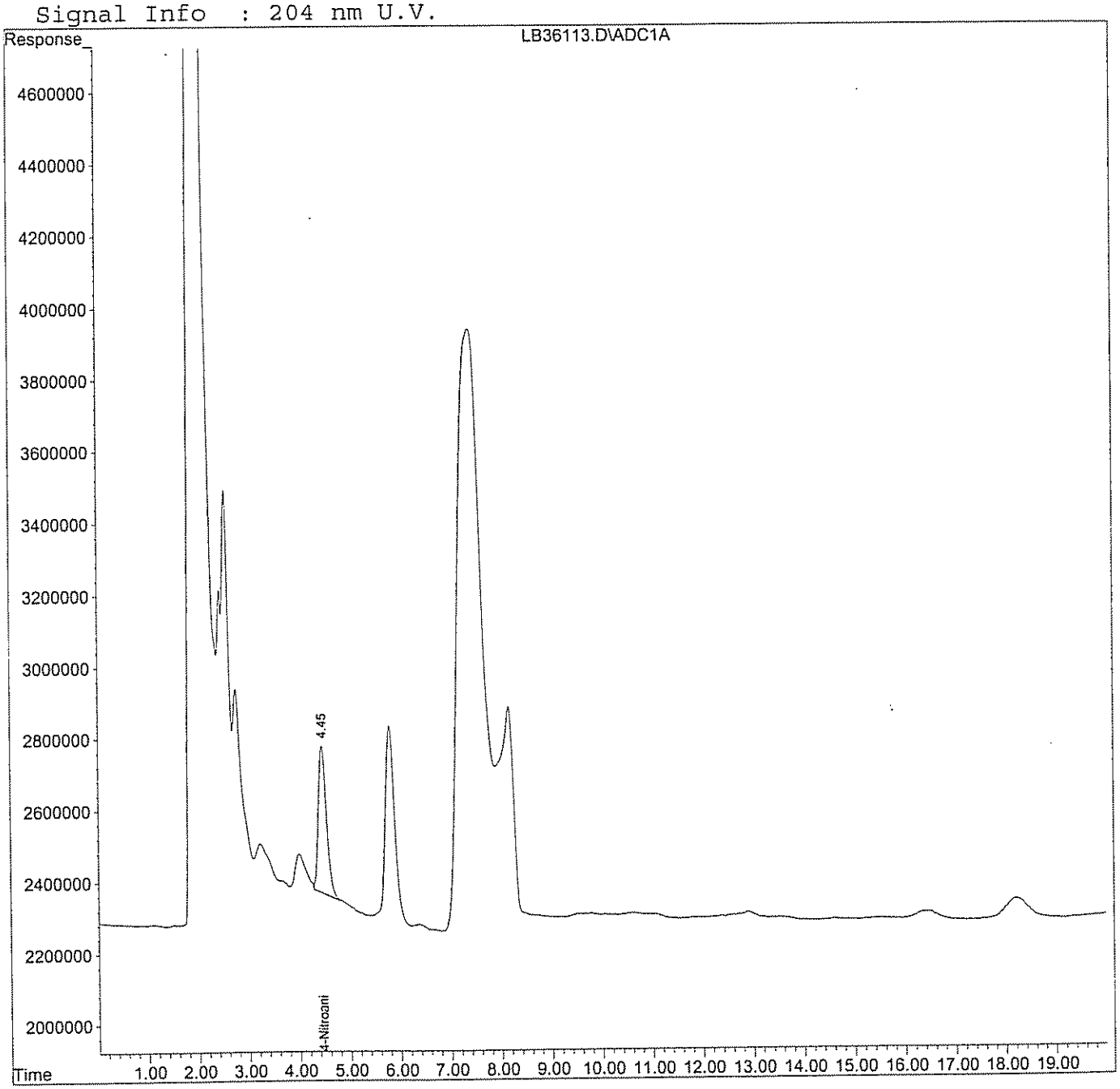
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36113.D
Acq On : 12 Sep 2006 14:27
Sample : 608158-006-009-1/2
Misc : SOIL
IntFile : events.e
Quant Time: Sep 18 11:29 2006 Quant Results File: 6515PTN.RES

Vial: 19
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon May 15 15:56:17 2006

Calibration Files
LEV1 =LB34194.D LEV2 =LB34195.D LEV3 =LB34196.D
LEV4 =LB34197.D LEV5 =LB34198.D

		Compound	LEV1	LEV2	LEV3	LEV4	LEV5	Avg	%RSD
1)	S	4-Nitroaniline	3.203	3.007	2.859	2.855	2.884	2.962 E5	5.03
2)	T	PETN	2.070	2.202	2.072	2.035	2.080	2.092 E5	3.06

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34193.D Vial: 1
Acq On : 15 May 2006 13:47 Operator: ST.
Sample : PETN BLK Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:47 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	0.00	0	N.D. PPB
Spiked Amount 300.000		Recovery =	0.00%
Target Compounds			
2) T PETN	0.00	0	N.D. PPB

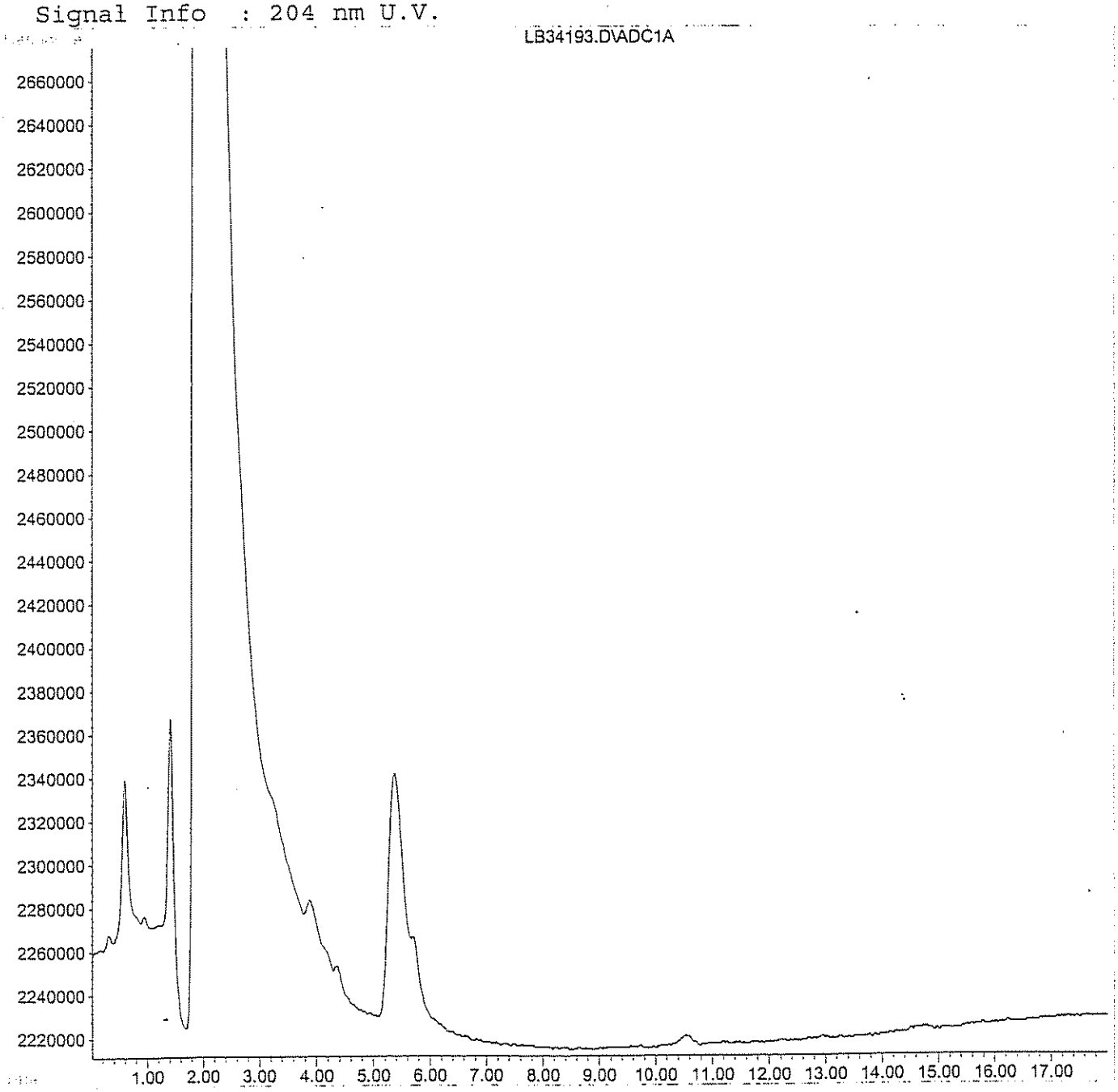
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34193.D Vial: 1
Acq On : 15 May 2006 13:47 Operator: ST.
Sample : PETN BLK Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:47 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34194.D Vial: 2
Acq On : 15 May 2006 14:06 Operator: ST.
Sample : PETN LEVEL-1 50PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:48 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.34	16017110	56.699 PPB m
Spiked Amount 300.000		Recovery =	18.90%
Target Compounds			
2) T PETN	16.73	10351119	44.864 PPB m

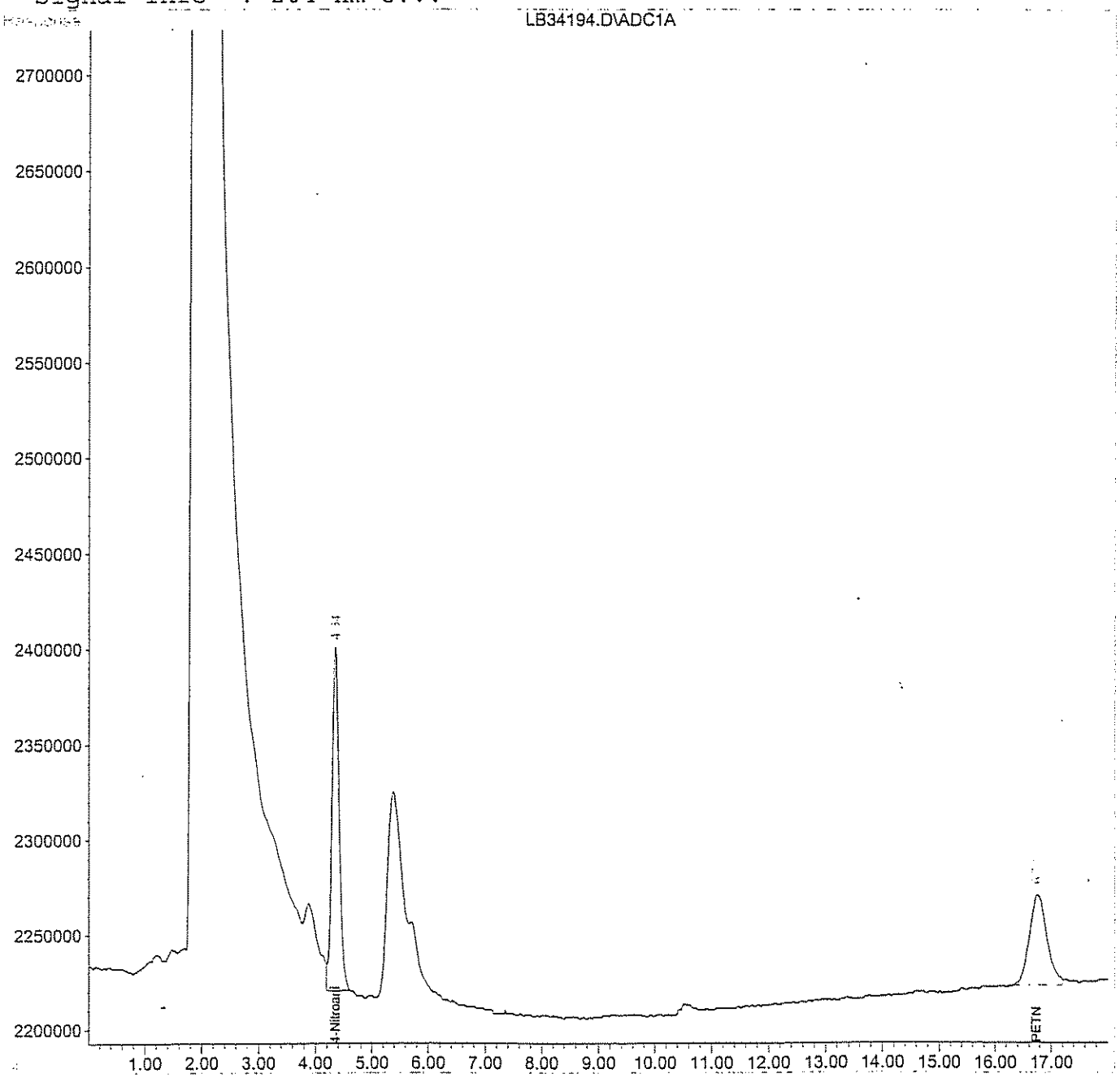
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34194.D Vial: 2
Acq On : 15 May 2006 14:06 Operator: ST.
Sample : PETN LEVEL-1 50PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:48 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34195.D Vial: 3
Acq On : 15 May 2006 14:26 Operator: ST.
Sample : PETN LEVEL-2 100PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:49 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
1) S 4-Nitroaniline	4.35	30072974	92.374 PPB	m
Spiked Amount 300.000		Recovery =	30.79%	
Target Compounds				
2) T PETN	16.75f	22021574	95.446 PPB	m

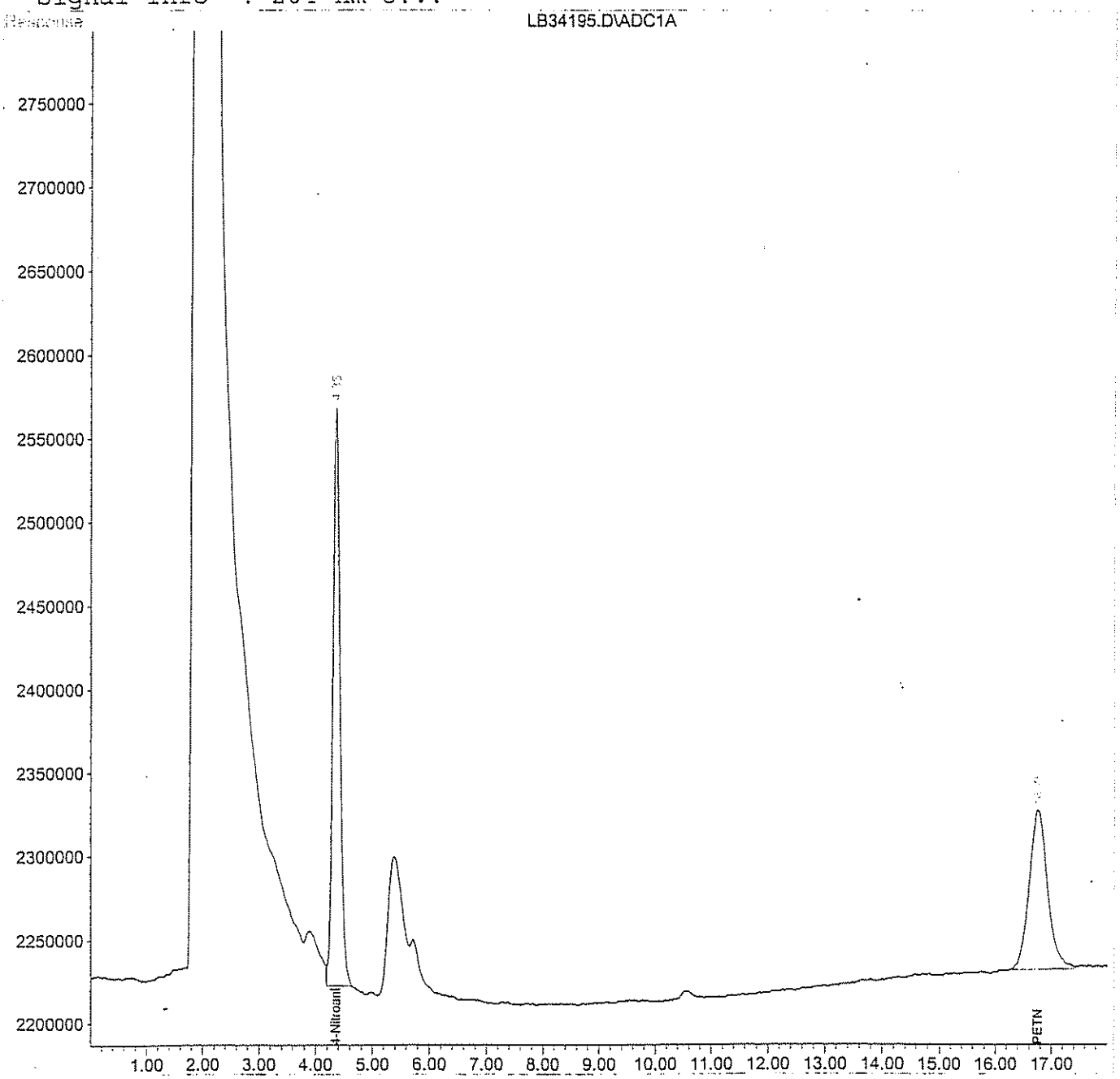
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34195.D Vial: 3
Acq On : 15 May 2006 14:26 Operator: ST.
Sample : PETN LEVEL-2 100PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:49 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34196.D Vial: 4
Acq On : 15 May 2006 14:45 Operator: ST.
Sample : PETN LEVEL-3 200PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:50 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.33	57174552	151.173 PPB m
Spiked Amount 300.000		Recovery =	50.39%
Target Compounds			
2) T PETN	16.71	41438731	175.209 PPB m

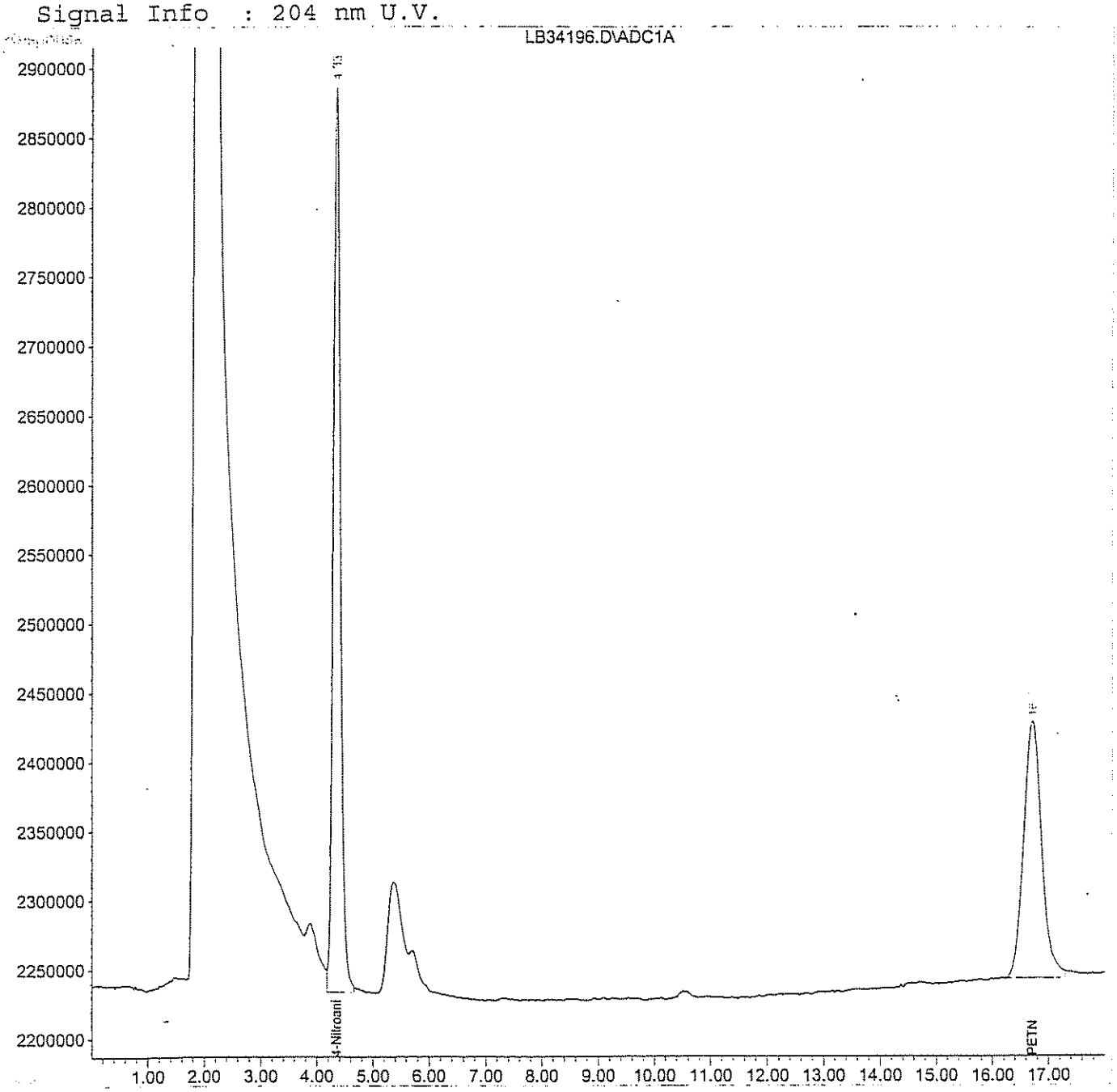
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34196.D Vial: 4
Acq On : 15 May 2006 14:45 Operator: ST.
Sample : PETN LEVEL-3 200PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:50 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34197.D Vial: 5
Acq On : 15 May 2006 15:04 Operator: ST.
Sample : PETN LEVEL-4 500PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:51 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.31	142725503	378.297 PPB m
Spiked Amount 300.000		Recovery =	126.10%
Target Compounds			
2) T PETN	16.61f	101760614	441.051 PPB m

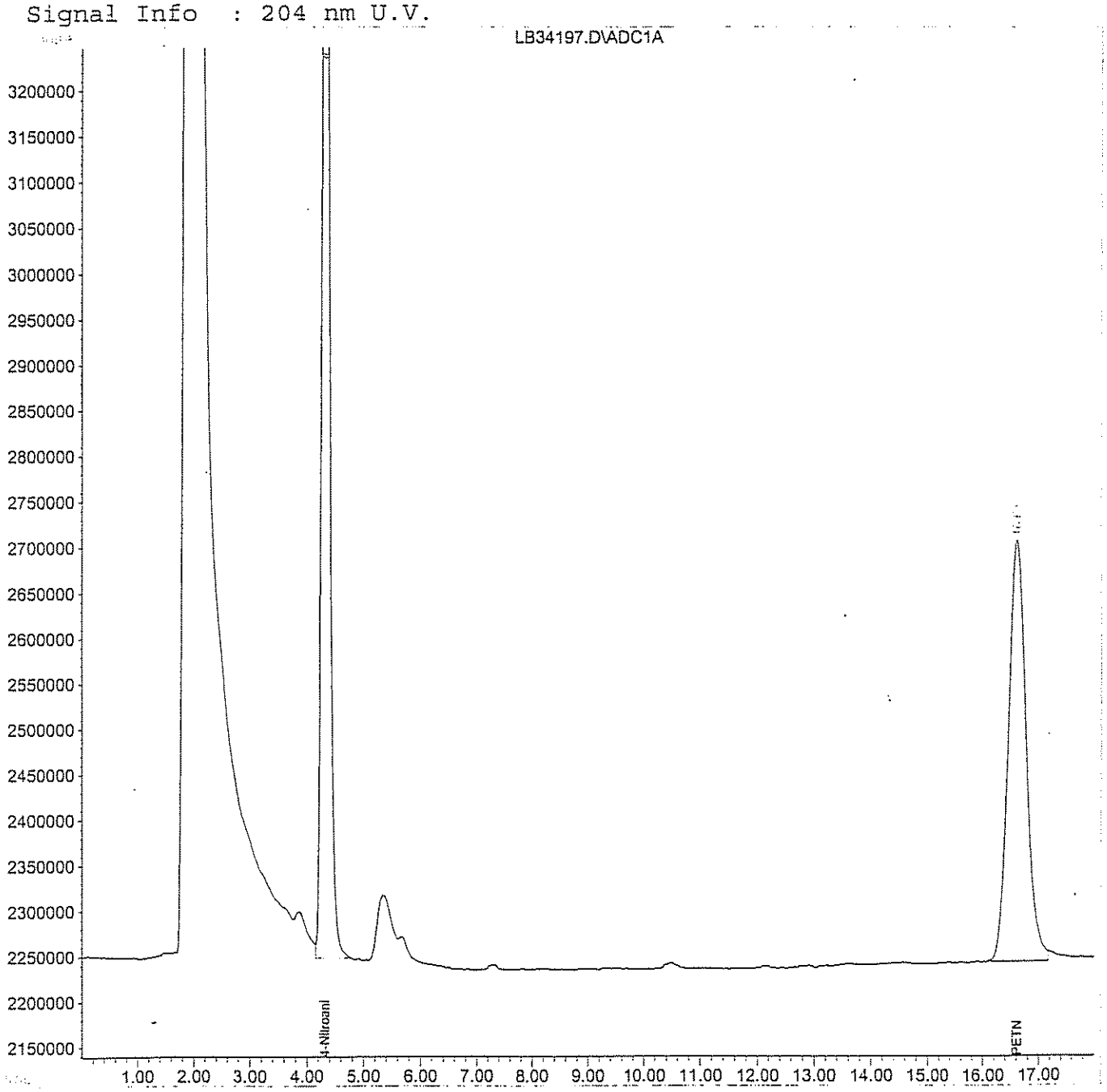
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34197.D Vial: 5
Acq On : 15 May 2006 15:04 Operator: ST.
Sample : PETN LEVEL-4 500PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:51 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34198.D Vial: 6
Acq On : 15 May 2006 15:23 Operator: ST.
Sample : PETN LEVEL-5 1000PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:53 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
1) S 4-Nitroaniline	4.32	288378522	747.978 PPB	m
Spiked Amount 300.000		Recovery	= 249.33%	
Target Compounds				
2) T PETN	16.65f	207986062	901.454 PPB	m

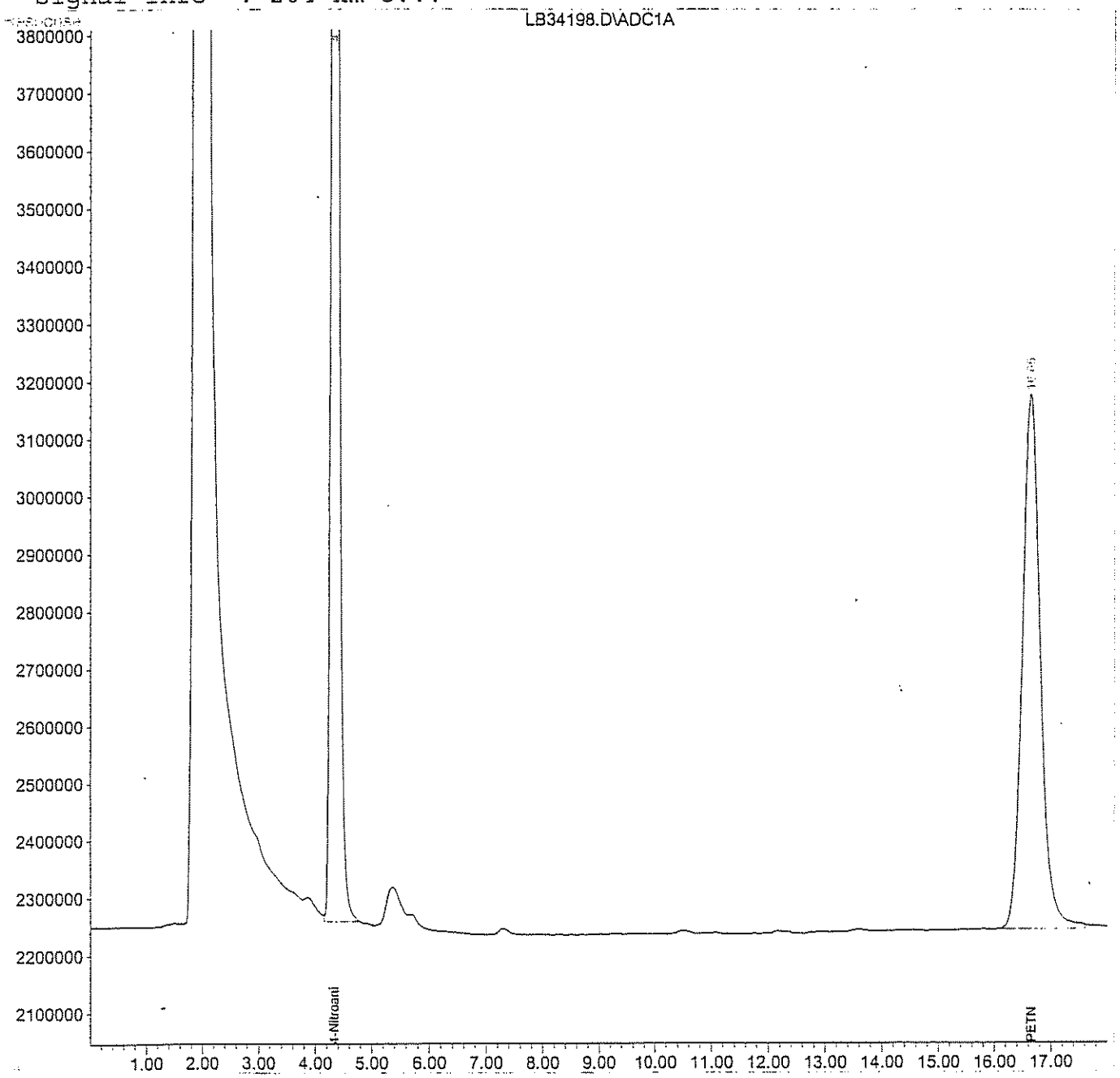
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34198.D Vial: 6
Acq On : 15 May 2006 15:23 Operator: ST.
Sample : PETN LEVEL-5 1000PPB Inst : LCB
Misc : INIT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 15:53 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon May 15 16:18:30 2006
Response via : Initial Calibration

Continuing Calibration File: LB34199.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	296.155	281.981	E3	4.8	99
2	T	PETN	209.188	200.562	E3	4.1	97

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\051506\LB34199.D Vial: 7
Acq On : 15 May 2006 15:43 Operator: ST.
Sample : PETN ICV LEVEL-3 Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: May 15 16:14 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	0.00	0	N.D.	PPB	
Spiked Amount 300.000		Recovery =	0.00%		
Target Compounds					
2) T PETN	16.70	40112480	191.753	PPB	m

(f)=RT Delta > 1/2 Window (m)=manual int.

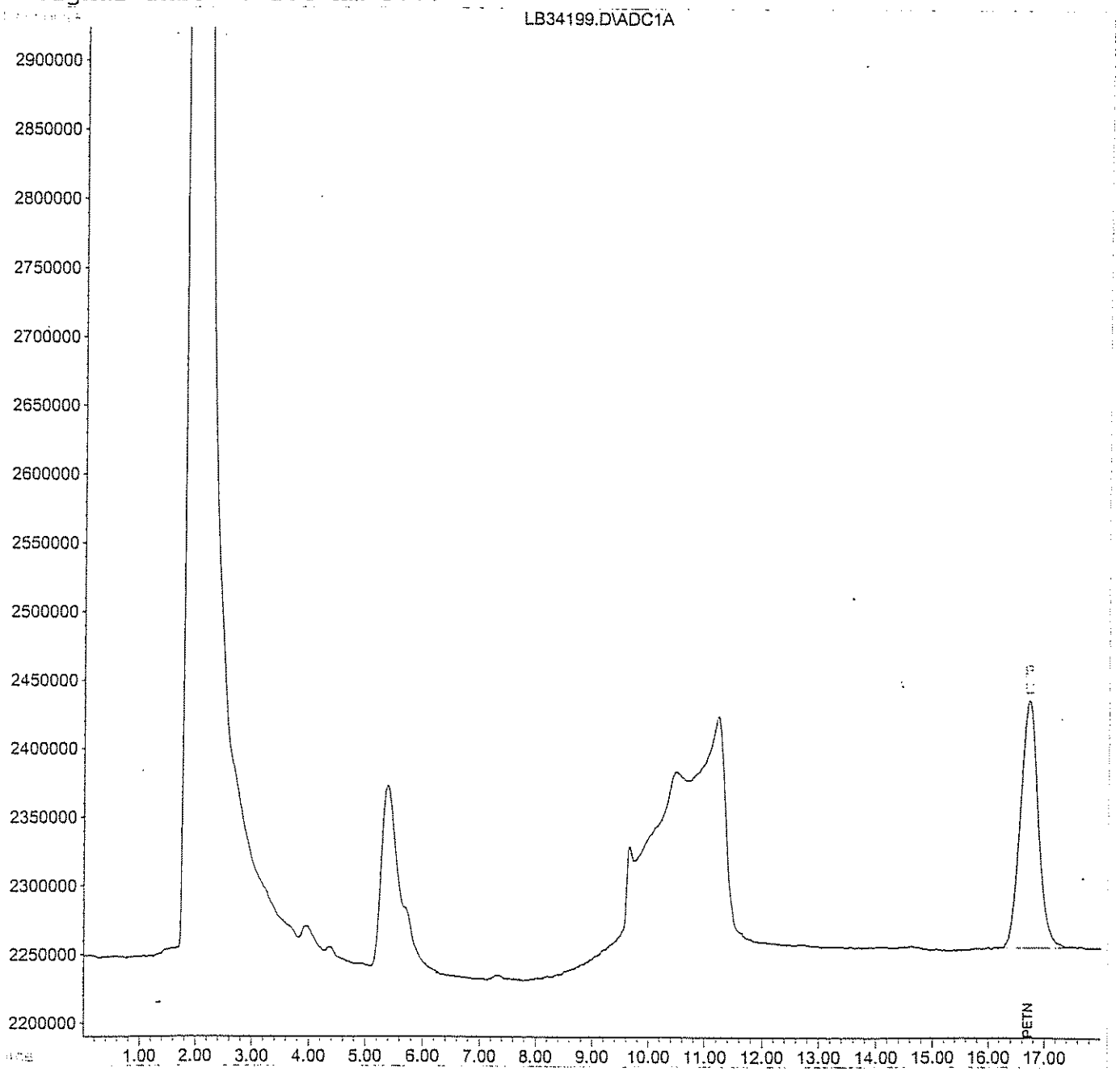
Quantitation Report

Data File : H:\LCDATA\LCB\051506\LB34199.D
Acq On : 15 May 2006 15:43
Sample : PETN ICV LEVEL-3
Misc : CONT CAL
IntFile : events.e
Quant Time: May 15 16:14 2006 Quant Results File: 6515PTN.RES

Vial: 7
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon Sep 18 14:49:56 2006
Response via : Initial Calibration

Continuing Calibration File: LB36094.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	296.155	256.130	E3	13.5	90
2	T	PETN	209.188	207.902	E3	0.6	100

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36094.D Vial: 1
Acq On : 12 Sep 2006 7:30 Operator: ST.
Sample : PETN-STD Inst : LCB
Misc : CCAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 7:54 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	51225995	175.998 PPB
Spiked Amount 300.000		Recovery =	58.67%
Target Compounds			
2) T PETN	18.39	41580311	198.770 PPB m

(f)=RT Delta > 1/2 Window (m)=manual int.

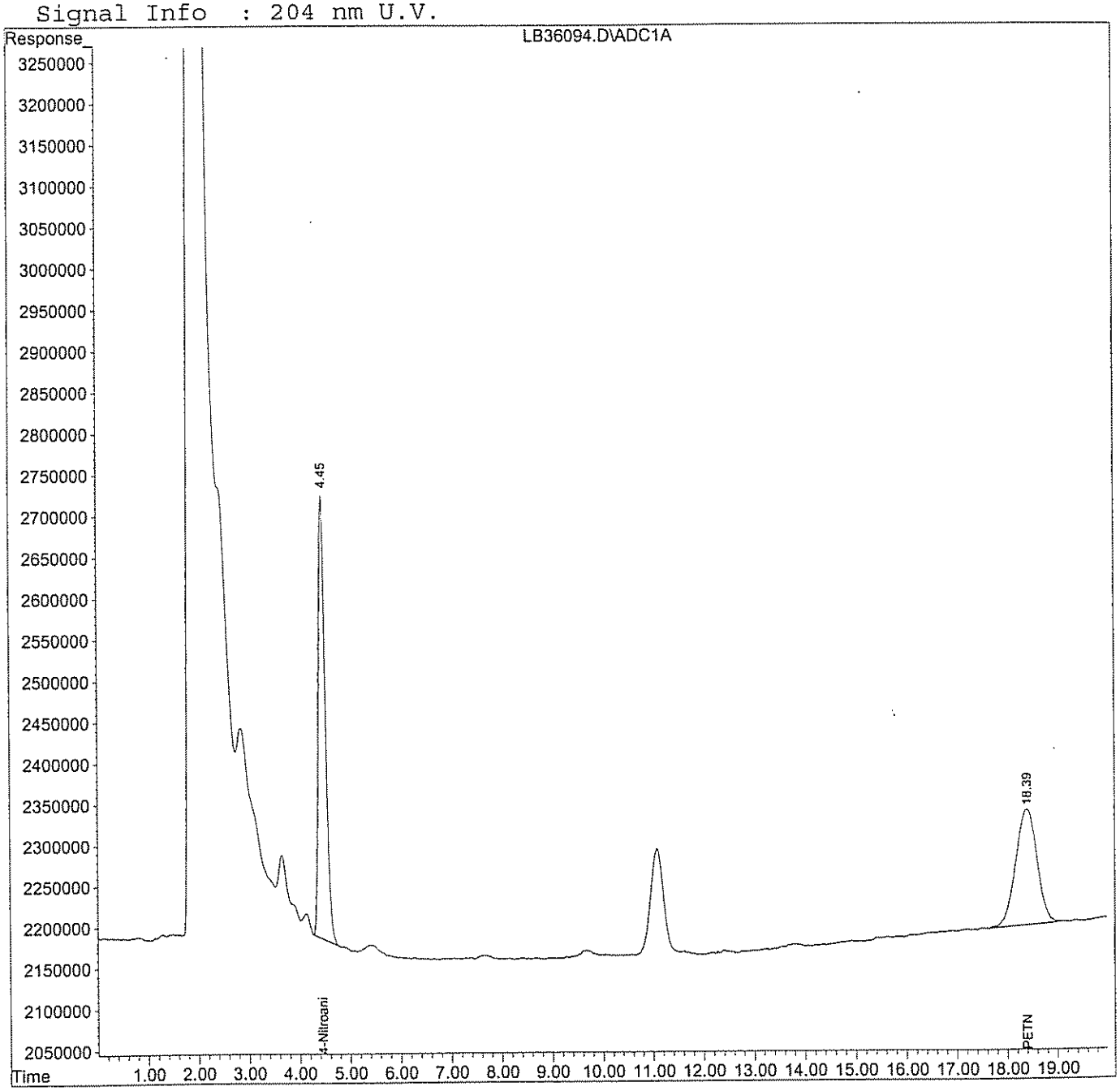
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36094.D
Acq On : 12 Sep 2006 7:30
Sample : PETN-STD
Misc : CCAL
IntFile : events.e
Quant Time: Sep 12 7:54 2006 Quant Results File: 6515PTN.RES

Vial: 1
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



LB36094.D 6515PTN.M Mon Sep 18 14:50:02 2006 RPT Page 2

Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon Sep 18 14:51:28 2006
Response via : Initial Calibration

Continuing Calibration File: LB36106.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%
1	S	4-Nitroaniline	296.155	270.539	E3	8.6	95
2	T	PETN	209.188	187.943	E3	10.2	91

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36106.D 6515PTN.M Mon Sep 18 14:51:32 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36106.D Vial: 12
Acq On : 12 Sep 2006 11:58 Operator: ST.
Sample : PETN STD Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 15 11:32 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	54107711	186.045 PPB
Spiked Amount 300.000		Recovery =	62.02%
Target Compounds			
2) T PETN	18.37	37588518	179.688 PPB m

(f)=RT Delta > 1/2 Window (m)=manual int.

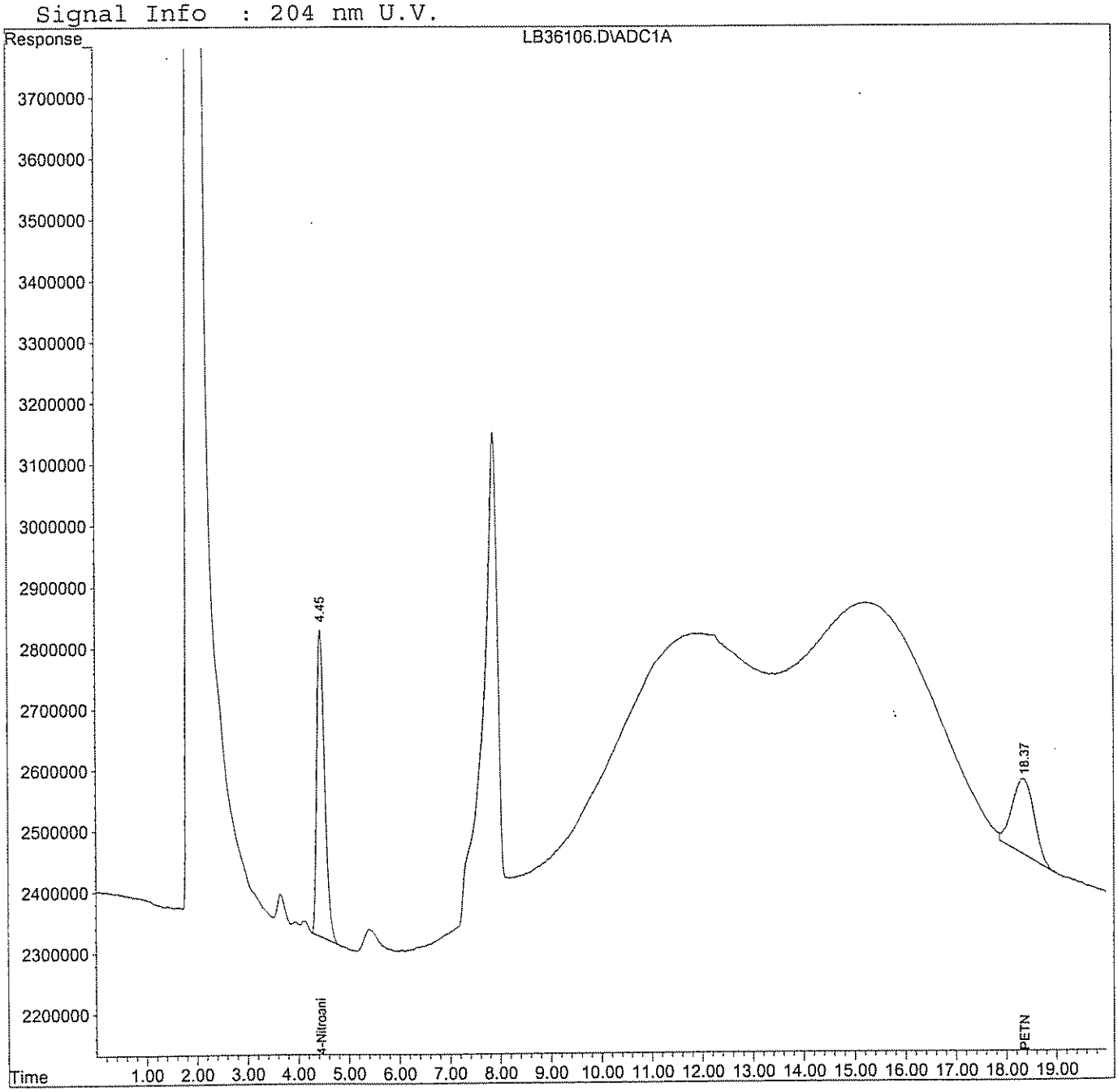
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36106.D
Acq On : 12 Sep 2006 11:58
Sample : PETN STD
Misc : CONT CAL
IntFile : events.e
Quant Time: Sep 15 11:32 2006 Quant Results File: 6515PTN.RES

Vial: 12
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



Continuing Calibration Report LCB

Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Mon Sep 18 14:51:47 2006
Response via : Initial Calibration

Continuing Calibration File: LB36117.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%
1 S	4-Nitroaniline	296.155	282.258	E3	4.7	99
2 T	PETN	209.188	213.466	E3	-2.0	103

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LB36117.D 6515PTN.M Mon Sep 18 14:51:49 2006 RPT Page 1

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36117.D Vial: 23
Acq On : 12 Sep 2006 15:52 Operator: ST.
Sample : PETN STD Inst : LCB
Misc : CONT CAL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 16:19 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.45	56451613	194.216	PPB	m
Spiked Amount 300.000		Recovery =	64.74%		
Target Compounds					
2) T PETN	18.38	42693167	204.090	PPB	m

(f)=RT Delta > 1/2 Window (m)=manual int.

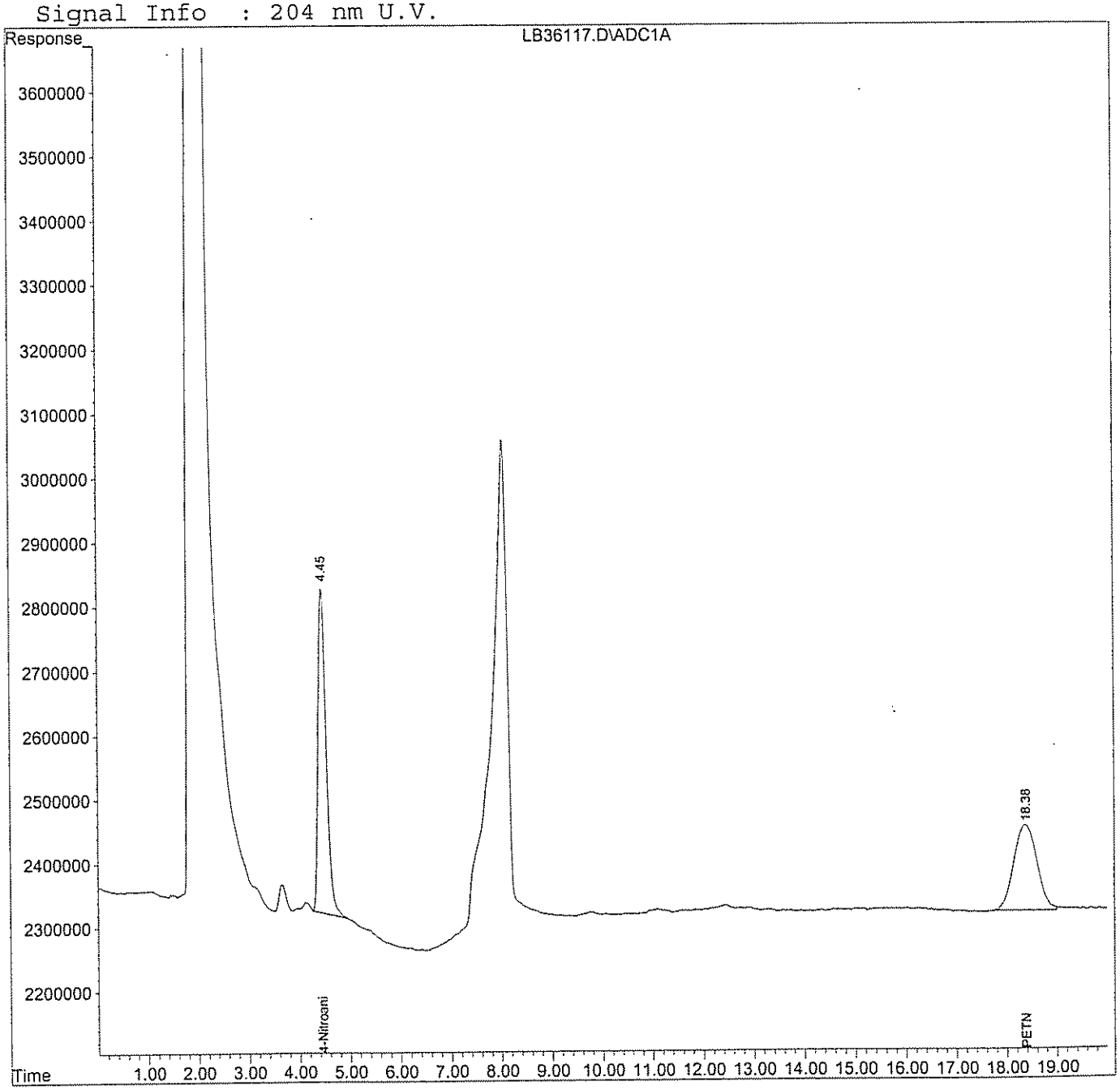
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36117.D
Acq On : 12 Sep 2006 15:52
Sample : PETN STD
Misc : CONT CAL
IntFile : events.e
Quant Time: Sep 12 16:19 2006 Quant Results File: 6515PTN.RES

Vial: 23
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet
7. Retention Time Window (where applicable)

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK83546

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK83546
Sample Volume :	10	Lab File ID :	LB36096.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.20	U

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36096.D
Acq On : 12 Sep 2006 8:25
Sample : BLK83546
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 8:53 2006 Quant Results File: 6515PTN.RES

Vial: 2
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.45	53141396	182.676	PPB	m
Spiked Amount 300.000		Recovery =	60.89%		
Target Compounds					
2) T PETN	0.00	0	N.D.	PPB	

(f)=RT Delta > 1/2 Window
(m)=manual int.

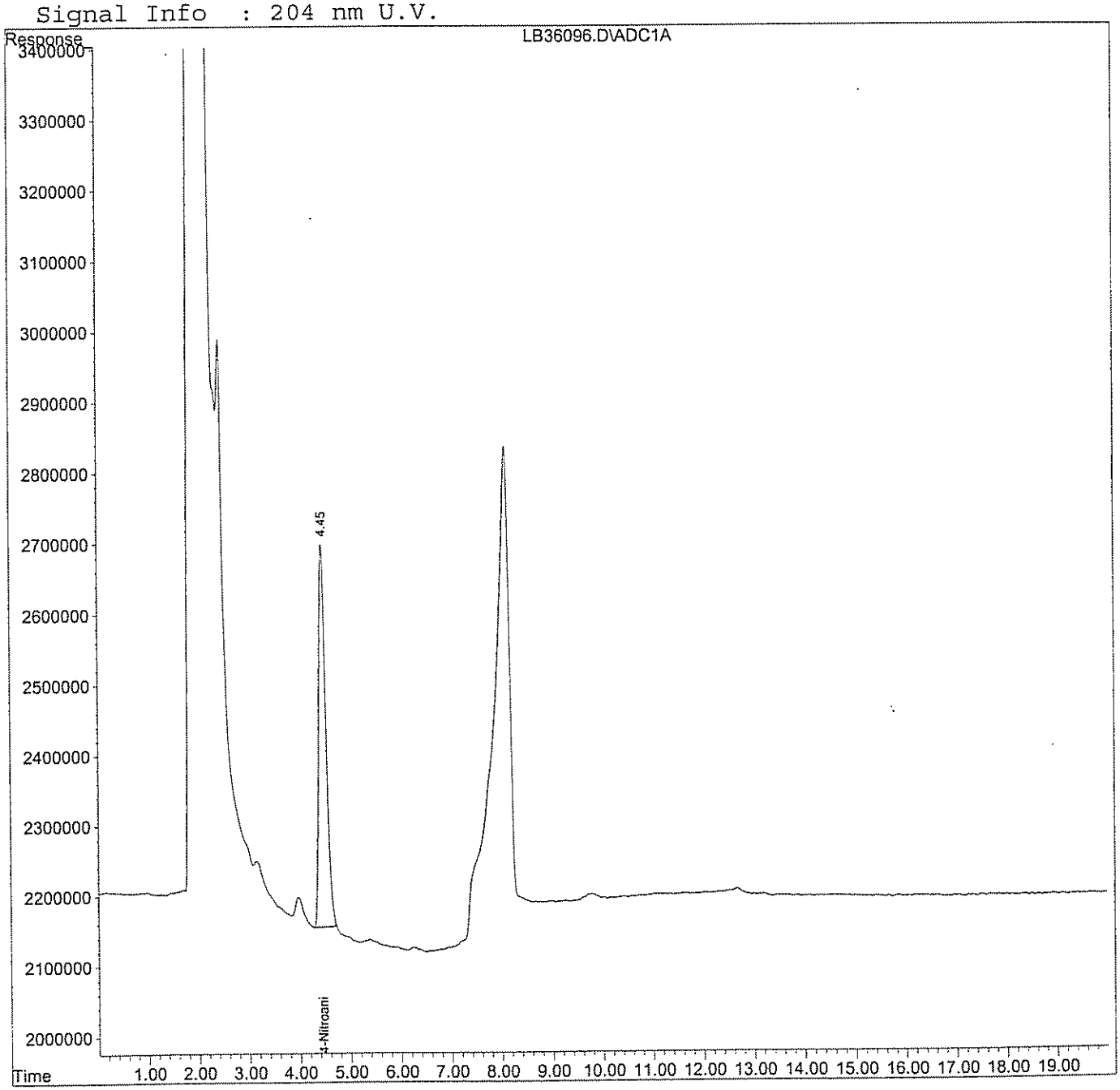
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36096.D
Acq On : 12 Sep 2006 8:25
Sample : BLK83546
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 8:53 2006 Quant Results File: 6515PTN.RES

Vial: 2
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MS

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MS
Sample Volume :	10.02	Lab File ID :	LB36099.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.48	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36099.D Vial: 5
Acq On : 12 Sep 2006 9:29 Operator: ST.
Sample : 608156-001-001-1/2MS Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:10 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S 4-Nitroaniline	4.45	39404039	134.784	PPB	m
Spiked Amount 300.000		Recovery =	44.93%		
Target Compounds					
2) T PETN	18.31f	25317380	121.027	PPB	m

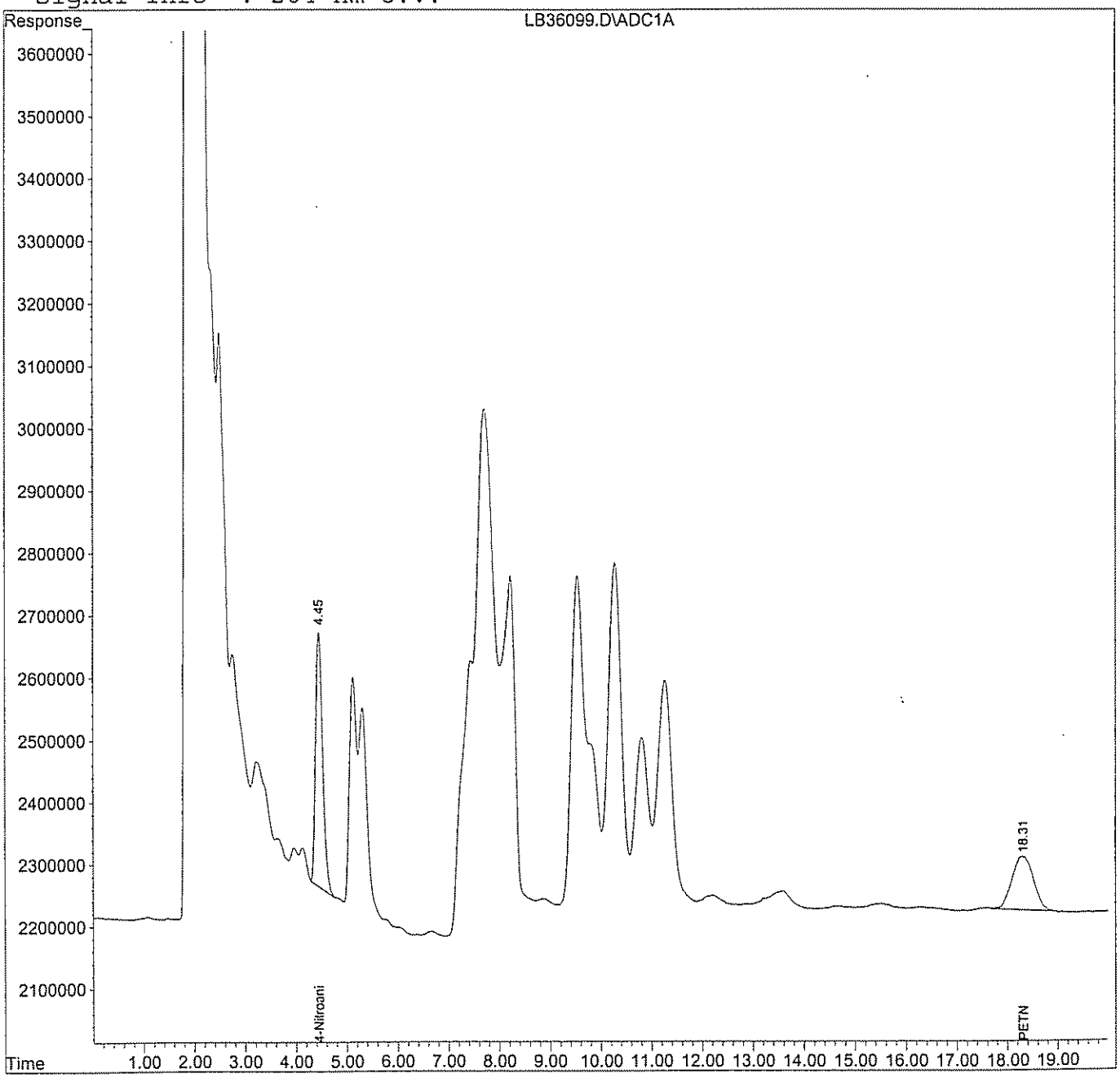
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36099.D Vial: 5
Acq On : 12 Sep 2006 9:29 Operator: ST.
Sample : 608156-001-001-1/2MS Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:10 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
NWO-017-0022MSD

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608156
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	608156-001-001-1/2MSD
Sample Volume :	10.01	Lab File ID :	LB36100.D
% Moisture:		Date Received	08/26/2006
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.50	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36100.D Vial: 6
Acq On : 12 Sep 2006 9:50 Operator: ST.
Sample : 608156-001-001-1/2MSD Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:11 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.45	39839180	136.301 PPB m
Spiked Amount 300.000		Recovery =	45.43%
Target Compounds			
2) T PETN	18.29f	26125992	124.893 PPB m

(f)=RT Delta > 1/2 Window (m)=manual int.

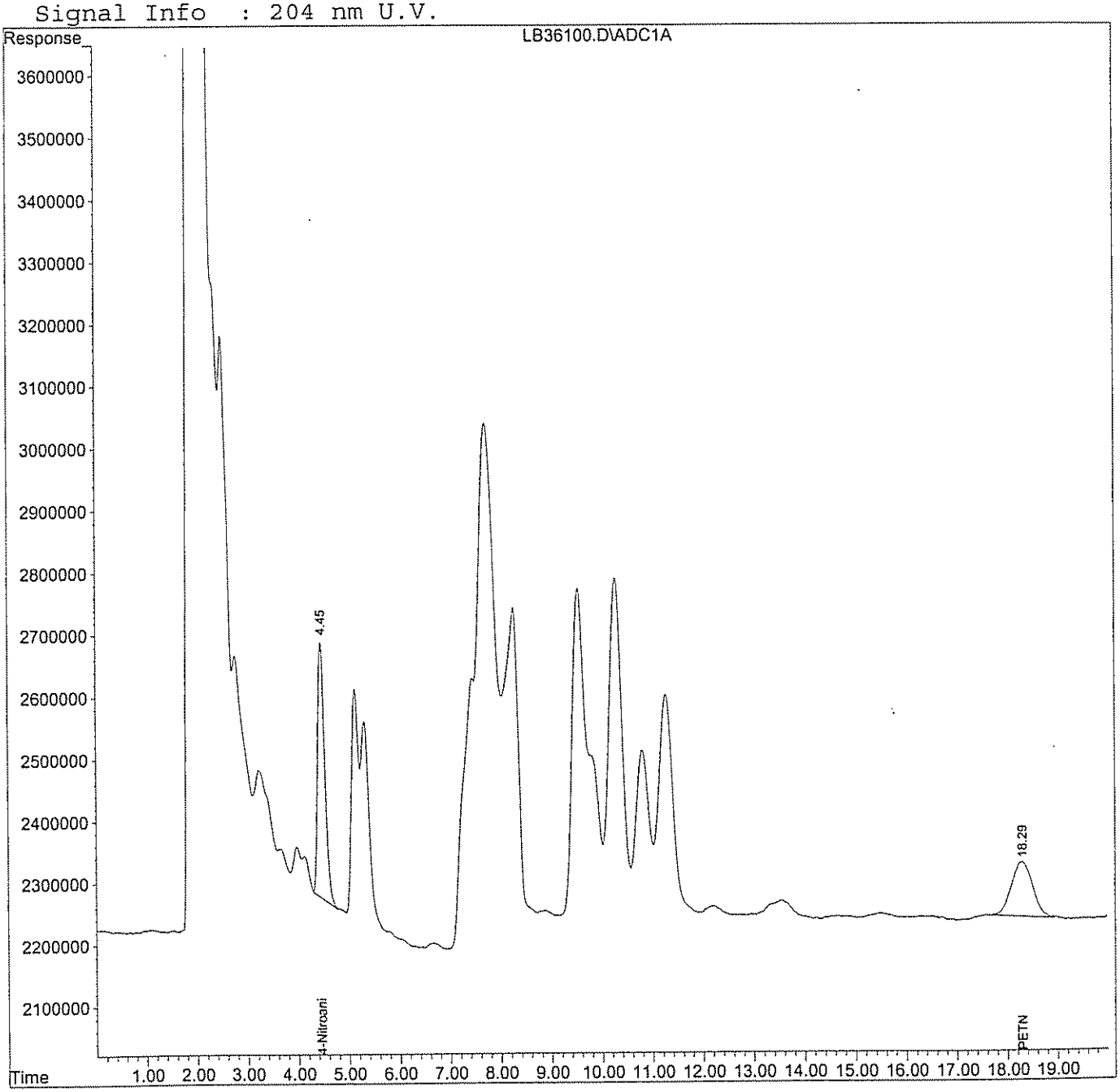
Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36100.D
Acq On : 12 Sep 2006 9:50
Sample : 608156-001-001-1/2MSD
Misc : SOIL
IntFile : events.e
Quant Time: Sep 12 11:11 2006 Quant Results File: 6515PTN.RES

Vial: 6
Operator: ST.
Inst : LCB
Multiplr: 1.00

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS83546

Lab Name :	GPL Laboratories	Client. :	Shaw E&I, Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	608158
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BKS83546
Sample Volume :	10	Lab File ID :	LB36097.D
% Moisture:		Date Received	
Extraction:	EXT_SW8330	Date Extracted:	09/01/2006
Extract Volume:	40 mL	Date Analyzed	09/12/2006
Injection Volume :	100 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
78-11-5	Pentaerythritol Tetranitrate	0.45	

Quantitation Report (QT Reviewed)

Data File : H:\LCDATA\LCB\091206\LB36097.D Vial: 3
Acq On : 12 Sep 2006 8:46 Operator: ST.
Sample : BKS83546 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:09 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Initial Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 4-Nitroaniline	4.46	51423648	176.687 PPB
Spiked Amount 300.000		Recovery =	58.90%
Target Compounds			
2) T PETN	18.33f	23659093	113.100 PPB m

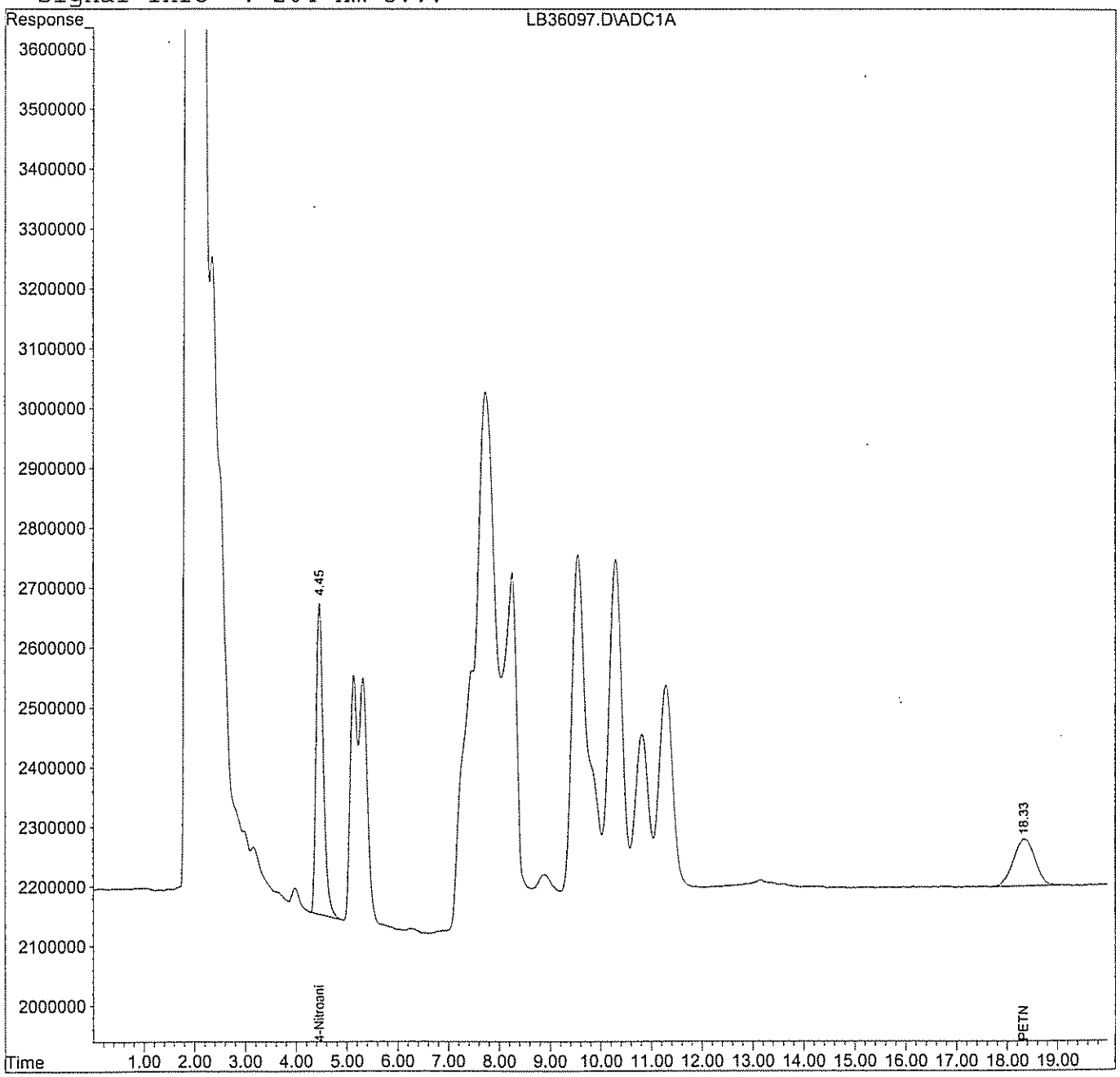
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : H:\LCDATA\LCB\091206\LB36097.D Vial: 3
Acq On : 12 Sep 2006 8:46 Operator: ST.
Sample : BKS83546 Inst : LCB
Misc : SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 12 11:09 2006 Quant Results File: 6515PTN.RES

Quant Method : H:\LCDATA\LCB\METHODS\6515PTN.M (Chemstation Integrator)
Title : PETN 5 POINT INITCAL
Last Update : Thu Jul 21 17:25:08 2005
Response via : Multiple Level Calibration
DataAcq Meth : PETN.M

Volume Inj. : 100 uL
Signal Phase : LC-18
Signal Info : 204 nm U.V.



EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

(SOIL) WATER / WIPES

Approval / Date: DB 09/05/06

Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NGL (S)

Extraction Chemist: N-P Date: 9-1-06 Spike Witness: D-S-S

Work Order	Fraction 83534	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608156	BLK	10.00	1.0	—	40.0
	BKS1	10.00		1.0 Ⓢ + 0.4 Ⓐ	
	001 MS1	10.02			
	001 MSD1	10.01			
	BKS2	10.00		1.0 *	
	001 MS2	10.00			
	001 MSD2	10.02			
	001	10.01		—	
	002	10.03			
	003	10.02			
	004	10.00			
	005	10.00			
	006	10.03			
	007	10.03			
	008	10.00			
	009	10.01			
608158	001	10.04			
	002	10.01			
	006	10.00			
608150	001	10.00			
	002	10.00			
608148	004	10.02			
	005	10.01			
	006	10.03			

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 Ⓢ Matrix Spike Conc.: 5.0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36672 Ⓐ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations: Xenco 83534 for 8330 soils wo's 608156, 608158, 608148
~~Xenco 83538 for 8330 Soils wo 608150~~
Xenco 83546 for 8330 Petn Ⓢ for wo's 608156, 608158, 608150
Xenco 83547 for 8330 NG Ⓢ for wo's 608156, 608158, 608150

Supercedes GP_E_281

EXPLOSIVES /NITROGUANIDINE /NITROGLYCERINE /PICRIC ACID /PETN EXTRACTION LOG

SOIL / WATER / WIPES

Approval / Date: DS 09/05/06

Client: Shaw E & I, Inc. and USACE

Analysis Method: 8330 + PETN + NG (S)

Extraction Chemist: N.P. Date: 9-1-06 Spike Witness: D-S-S

Work Order	Fraction	Sample Amount gram/mL	Surrogate Added, mL	Spike Added, mL	Final Volume, mL
608148	007	10-00	1-0	—	40-0

N.P. 9-6-06

Solvent: Acetonitrile / DI Water

Solvent Lot #: 061917 Matrix Spike #: 37629 ⊙ Matrix Spike Conc.: 5-0 ppm

Surrogate Solution #: 37212 Matrix Spike #: 37354 * NG Matrix Spike Conc.: 100 ppm

Surrogate Conc.(s): 6 ppm Matrix Spike #: 36677 ⊗ PETN Matrix Spike Conc.: 10 ppm

Calcium Chloride#: 37063 Sodium Sulfate#: — Sand#: 43007309

Sodium Chloride#: —

Comments & Observations:

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B

Method File:	h:\lcdata\lcb\methods	Data File Path:	h:\lcdata\lcb\051506
Detector(s):	UV	Mobile Phase:	PETN-L49-56-30
Pump(s):	515	Flow Rate:	1.2 ml/min
Autosampler:	717	Detector Wavelength:	204 nm
Column:	C-18	Injection Volume:	100 uL.

ICAL Method: 6515PEN.m Analyst: ST. Reviewed by: S.S Date: 05/16/06

File	Lab ID	Date	Dilution	Matrix	Comments
LB 34193	PETN BLK	05/15/06	1	STD	
LB 94	LEV-1 50PPB				
LB 95	LEV-2 100PPB				
LB 96	LEV-3 200PPB				
LB 97	LEV-4 500PPB				OK
LB 98	LEV-5 1000PPB				
LB 99	ICV 200PPB				
LB 200	STD 200PPB				
LB 01	BLK —			Rinse	
LB					
LB					
LB					
LB					
LB					
LB					
LB		05/15/06			
LB					
LB	ST.				
LB					
LB					
LB					
LB					
LB					

Remarks	Standard	Solution ID	Conc.	Date Prep.
#89907 (5%)	PETN STD	#36886	10ppm	05/10/06
OK.	4-Nitroaniline	#36170	10ppm	02/14/06

HPLC ANALYSIS LOGBOOK

Instrument ID: LC #B

Method File:	h:\lcdata\lcb\method	Data File Path:	h:\lcdata\lcb\091206
Detector(s):	UV	Mobile Phase:	PETN-L49-61-30
Pump(s):	515 Waters	Flow Rate:	1.2 ml/min
Autosampler:	717 Waters	Detector Wavelength:	204 nm
Column:	LC-18	Injection Volume:	100 uL

ICAL Method: 6515PETN Analyst: STr Reviewed by: AG Date: 09/15/06

Injection Log

Directory: h:\lcdata\lcb\091206

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	lb36093.d	1.	PETN-STD	CCAL	12 Sep
2	1	lb36094.d	1.	PETN-STD	CCAL	12 Sep
3	1	lb36095.d	1.	BKS83381 X100 ok.	WATER	12 Sep
4	2	lb36096.d	1.	BLK83546	SOIL	12 Sep
5	3	lb36097.d	1.	BKS83546	SOIL	12 Sep
6	4	lb36098.d	1.	608156-001-001-1/2	SOIL	12 Sep
7	5	lb36099.d	1.	608156-001-001-1/2MS	SOIL	12 Sep
8	6	lb36100.d	1.	608156-001-001-1/2MSD	SOIL	12 Sep
9	7	lb36101.d	1.	608156-002-001-1/2	SOIL	12 Sep
10	8	lb36102.d	1.	608156-003-005-1/2	SOIL	12 Sep
11	9	lb36103.d	1.	608156-004-007-1/2	SOIL	12 Sep
12	10	lb36104.d	1.	608156-005-009-1/2	SOIL	12 Sep
13	11	lb36105.d	1.	RINSE	SOIL	12 Sep
14	12	lb36106.d	1.	PETN STD	CONT CAL	12 Sep
15	13	lb36107.d	1.	608156-006-011-1/2	SOIL	12 Sep
16	14	lb36108.d	1.	608156-007-013-1/2	SOIL	12 Sep
17	15	lb36109.d	1.	608156-008-015-1/2	SOIL	12 Sep
18	16	lb36110.d	1.	608156-009-017-1/2	SOIL	12 Sep
19	17	lb36111.d	1.	608158-001-003-1/2	SOIL	12 Sep
20	18	lb36112.d	1.	608158-002-005-1/2	SOIL	12 Sep
21	19	lb36113.d	1.	608158-006-009-1/2	SOIL	12 Sep
22	20	lb36114.d	1.	608150-001-003-1/2	SOIL	12 Sep
23	21	lb36115.d	1.	608150-002-004-1/1	SOIL	12 Sep
24	22	lb36116.d	1.	BKS83381 X100	WATER	12 Sep
25	23	lb36117.d	1.	PETN STD	CONT CAL	12 Sep
26	24	lb36118.d	1.	PETN STD	CONT CAL	12 Sep

LB					
LB					
LB					

Remarks

Standard	Solution ID	Conc.	Date Prep.
Petn Std	#38042	10 ppm	07/04/06
4-Nitrocmbe	#37558	10 ppm	07/27/06

PETN RETENTION TIME WINDOW ESTABLISHMENT**

INTRUMENT: LCB
COLUMN: C18
DATE: 38852 ANALYST ST

COMPOUND	B34196D RT1	PW1	LB34200D RT2	PW2	E34205D RT3	PW3	Avg RT	3x RT Std Dev	Avg PW	RT Window
PETN	16.71	0.37	16.70	0.38	16.73	0.36	16.71	0.046	0.37	0.185

Advisory Retention Time Windows are based on three daily calibration check standards
Run within a 72 hour window

Windows are the greater of 1/2 the average peak width,
or +/- 3 times the retention time standard deviation

TRACE METALS

GPL Laboratories

USEPA - CLP

COVER PAGE

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 608158

SOW No.: SW846

EPA Sample No.	Lab Sample ID
NWO-017-0019	S 608158-003-005-1/2
NWO-017-0020	S 608158-004-007-1/2
NWO-017-0021	S 608158-005-011-1/6
NWO-017-0021 MS	SP608158-005-011-1/6
NWO-017-0021 MSD	SD608158-005-011-1/6
NWO-017-0044	S 608158-001-001-1/2
NWO-017-0045	S 608158-006-009-1/2
NWO-017-0046	S 608156-007-013-1/2
NWO-017-0046 MS	SP608156-007-013-1/2
NWO-017-0046 MSD	SD608156-007-013-1/2
NWO-017-1011	S 608158-002-003-1/2

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
if yes, were raw data generated before application of background corrections?	(Yes/No)	NO	YES

Comments:

I certify that this Sample 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 Sample Data Package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as referred by the following signature.

Signature: Name: Kelvin K-C. CHOJ

Date: 8/30/2006 Title: Chemist

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-001-001-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0044	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.0	75.2	21200	D	10	09/08/06 23:51
Antimony	121	0.13	0.75	0.17	JND	10	09/08/06 23:51
Barium	137	0.17	3.8	164	NDB	10	09/08/06 23:51
Cadmium	110	0.11	0.38	0.43	D	10	09/08/06 23:51
Chromium	52	0.21	1.5	30.2	EDB	10	09/08/06 23:51
Cobalt	59	0.013	0.38	17.2	DB	10	09/08/06 23:51
Copper	65	0.15	1.5	18.0	D	10	09/08/06 23:51
Iron	56	2.4	37.6	30200	D	10	09/08/06 23:51
Lead	208	0.059	1.5	14.7	D	10	09/08/06 23:51
Magnesium	25	1.4	75.2	4100	D	10	09/08/06 23:51
Manganese	55	0.043	1.5	924	DB	10	09/08/06 23:51
Molybdenum	95	0.22	3.8	0.46	JD	10	09/08/06 23:51
Nickel	60	0.066	0.75	17.0	D	10	09/08/06 23:51
Strontium	88	0.069	1.5	30.4	D	10	09/08/06 23:51
Titanium	47	0.23	1.5	1770	D	10	09/08/06 23:51
Zinc	66	0.37	7.5	67.4	EDB	10	09/08/06 23:51

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-001-001-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0044	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0091	0.031	0.035		1	09/11/06 15:51

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-002-003-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1011	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.4	87.7	19000	D	10	09/08/06 23:57
Antimony	121	0.15	0.88	0.15	UND	10	09/08/06 23:57
Barium	137	0.20	4.4	188	NDB	10	09/08/06 23:57
Cadmium	110	0.12	0.44	0.29	JD	10	09/08/06 23:57
Chromium	52	0.25	1.8	26.6	EDB	10	09/08/06 23:57
Cobalt	59	0.015	0.44	18.3	DB	10	09/08/06 23:57
Copper	65	0.18	1.8	18.8	D	10	09/08/06 23:57
Iron	56	2.8	43.9	27900	D	10	09/08/06 23:57
Lead	208	0.069	1.8	11.6	D	10	09/08/06 23:57
Magnesium	25	1.6	87.7	3040	D	10	09/08/06 23:57
Manganese	55	0.050	1.8	1460	DB	10	09/08/06 23:57
Molybdenum	95	0.25	4.4	0.30	JD	10	09/08/06 23:57
Nickel	60	0.077	0.88	15.2	D	10	09/08/06 23:57
Strontium	88	0.081	1.8	38.9	D	10	09/08/06 23:57
Titanium	47	0.26	1.8	577	D	10	09/08/06 23:57
Zinc	66	0.43	8.8	72.6	EDB	10	09/08/06 23:57

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-002-003-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-1011	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0086	0.030	0.041		1	09/11/06 15:54

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-003-005-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0019	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Lead	208	0.063	1.6	20.1	D	10	09/09/06 0:03

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

SW846

URIT Version 4.3.4

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-004-007-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0020	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Lead	208	0.063	1.6	58.4	D	10	09/09/06 0:09

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-005-011-1/6	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0021	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.2	80.0	23100	D	10	09/09/06 0:15
Antimony	121	0.14	0.80	0.28	JND	10	09/09/06 0:15
Barium	137	0.18	4.0	187	NDB	10	09/09/06 0:15
Cadmium	110	0.11	0.40	0.33	JD	10	09/09/06 0:15
Chromium	52	0.22	1.6	30.6	EDB	10	09/09/06 0:15
Cobalt	59	0.014	0.40	16.6	DB	10	09/09/06 0:15
Copper	65	0.16	1.6	20.2	D	10	09/09/06 0:15
Iron	56	2.6	40.0	29300	D	10	09/09/06 0:15
Lead	208	0.063	1.6	41.1	D	10	09/09/06 0:15
Magnesium	25	1.4	80.0	4160	D	10	09/09/06 0:15
Manganese	55	0.046	1.6	894	DB	10	09/09/06 0:15
Molybdenum	95	0.23	4.0	0.38	JD	10	09/09/06 0:15
Nickel	60	0.070	0.80	18.0	D	10	09/09/06 0:15
Strontium	88	0.074	1.6	26.8	D	10	09/09/06 0:15
Titanium	47	0.24	1.6	1520	D	10	09/09/06 0:15
Zinc	66	0.39	8.0	65.1	EDB	10	09/09/06 0:15

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-006-009-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0045	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.3	84.0	20600	D	10	09/09/06 0:58
Antimony	121	0.14	0.84	0.15	JND	10	09/09/06 0:58
Barium	137	0.19	4.2	161	NDB	10	09/09/06 0:58
Cadmium	110	0.12	0.42	0.30	JD	10	09/09/06 0:58
Chromium	52	0.24	1.7	26.8	EDB	10	09/09/06 0:58
Cobalt	59	0.014	0.42	14.6	DB	10	09/09/06 0:58
Copper	65	0.17	1.7	14.9	D	10	09/09/06 0:58
Iron	56	2.7	42.0	26600	D	10	09/09/06 0:58
Lead	208	0.066	1.7	13.7	D	10	09/09/06 0:58
Magnesium	25	1.5	84.0	3990	D	10	09/09/06 0:58
Manganese	55	0.048	1.7	758	DB	10	09/09/06 0:58
Molybdenum	95	0.24	4.2	0.38	JD	10	09/09/06 0:58
Nickel	60	0.074	0.84	15.4	D	10	09/09/06 0:58
Strontium	88	0.077	1.7	19.1	D	10	09/09/06 0:58
Titanium	47	0.25	1.7	1380	D	10	09/09/06 0:58
Zinc	66	0.41	8.4	59.2	EDB	10	09/09/06 0:58

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Sample Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	S 608158-006-009-1/2	Percent Moisture:	0.0
Client Sample ID:	NWO-017-0045	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0083	0.029	0.029		1	09/11/06 15:57

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

GPL Laboratories, LLLP

Preparation Blank Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	BLK93574	Percent Moisture:	0.0
Client Sample ID:	NA	Prep Batch:	93574
Analysis Method:		Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Aluminum	27	2.7	100	3.3	JD	10	09/08/06 22:30
Antimony	121	0.17	1.0	0.17	UND	10	09/08/06 22:30
Barium	137	0.23	5.0	0.29	JND	10	09/08/06 22:30
Cadmium	110	0.14	0.50	0.14	UD	10	09/08/06 22:30
Chromium	52	0.28	2.0	1.5	JED	10	09/08/06 22:30
Cobalt	59	0.017	0.50	0.017	UD	10	09/08/06 22:30
Copper	65	0.20	2.0	0.20	UD	10	09/08/06 22:30
Iron	56	3.2	50.0	6.2	JD	10	09/08/06 22:30
Lead	208	0.079	2.0	0.079	UD	10	09/08/06 22:30
Magnesium	25	1.8	100	5.0	JD	10	09/08/06 22:30
Manganese	55	0.057	2.0	0.070	JD	10	09/08/06 22:30
Molybdenum	95	0.29	5.0	0.29	UD	10	09/08/06 22:30
Nickel	60	0.088	1.0	0.093	JD	10	09/08/06 22:30
Strontium	88	0.092	2.0	0.13	JD	10	09/08/06 22:30
Titanium	47	0.30	2.0	0.30	UD	10	09/08/06 22:30
Zinc	66	0.49	10.0	0.70	JED	10	09/08/06 22:30

U = The analyte concentration was less than the MDL

J = Reported value was less than the CRQL but greater than or equal to the MDL

SW846

URIT Version 4.3.4

GPL Laboratories, LLLP

Preparation Blank Results

Project:	608158	Matrix:	Soil
Lab Sample ID:	BLK93633	Percent Moisture:	0.0
Client Sample ID:	NA	Prep Batch:	93633
Analysis Method:	Mercury (7471A, Cold Vapor)	Reporting Units:	mg/kg

Analyte	WL/ Mass	Method Detection Limit	Reporting Limit	Reported Result	Q	Dilution Factor	Analysis Date/Time
Mercury	253.7	0.0097	0.033	0.0097	U	1	09/11/06 15:11

U = The analyte concentration was less than the MDL
J = Reported value was less than the CRQL but greater than or equal to the MDL

URIT Version 4.3.4

SW846

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Initial Calibration Verification

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV 9/8/2006 2:00:18 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	500.0	477.33	95						
Antimony	40.0	42.14	105						
Barium	40.0	42.56	106						
Chromium	40.0	39.44	99						
Cobalt	40.0	40.99	102						
Copper	40.0	41.15	103						
Iron	500.0	507.83	102						
Lead	40.0	41.55	104						
Magnesium	5000.0	4865.00	97						
Manganese	40.0	41.35	103						
Molybdenum	40.0	41.81	105						
Nickel	40.0	41.29	103						
Strontium	40.0	41.56	104						
Titanium	40.0	41.91	105						
Zinc	40.0	41.57	104						

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	ICV(CD) 9/8/2006 2:05:26 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Cadmium	4.0	3.85	96						

GPL Laboratories, LLLP

Initial Calibration Verification

Project:	608158	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:	CPI	Standard ID:	

Analyte	True	Ck2 ICV 9/11/2006 2:13:03 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	3.0	2.81	94						

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV1 9/8/2006 2:15:47 PM		CCV2 9/8/2006 3:37:21 PM		CCV3 9/8/2006 5:15:31 PM		CCV4 9/8/2006 6:29:42 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4872.67	97	4763.67	95	4893.67	98	4771.67	95
Antimony	50.0	51.23	102	50.29	101	50.47	101	50.11	100
Barium	50.0	50.80	102	50.15	100	50.65	101	50.09	100
Cadmium	50.0	49.75	100	49.70	99	49.76	100	49.32	99
Chromium	50.0	50.67	101	51.92	104	51.35	103	51.11	102
Cobalt	50.0	50.13	100	49.68	99	50.54	101	49.73	99
Copper	50.0	50.01	100	50.65	101	50.25	101	50.02	100
Iron	5000.0	4971.33	99	4952.00	99	4970.00	99	4957.67	99
Lead	50.0	50.72	101	50.44	101	49.93	100	49.98	100
Magnesium	10000.0	9872.67	99	9756.00	98	9988.67	100	9689.67	97
Manganese	50.0	49.80	100	49.99	100	50.00	100	49.76	100
Molybdenum	50.0	51.56	103	51.15	102	51.28	103	51.07	102
Nickel	50.0	50.16	100	49.75	100	50.72	101	49.21	98
Strontium	50.0	51.43	103	50.93	102	51.03	102	51.08	102
Titanium	50.0	50.34	101	50.91	102	51.49	103	50.98	102
Zinc	50.0	50.44	101	49.55	99	49.60	99	49.79	100

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV5 9/8/2006 7:43:44 PM		CCV6 9/8/2006 8:57:55 PM		CCV7 9/8/2006 10:12:08 PM		CCV8 9/8/2006 11:26:20 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4955.00	99	4771.33	95	4815.67	96	4859.67	97
Antimony	50.0	50.34	101	50.70	101	50.49	101	50.35	101
Barium	50.0	50.78	102	50.70	101	50.56	101	50.89	102
Cadmium	50.0	49.72	99	49.87	100	49.49	99	49.76	100
Chromium	50.0	51.72	103	51.45	103	51.16	102	52.60	105
Cobalt	50.0	51.13	102	50.05	100	50.14	100	50.62	101
Copper	50.0	50.96	102	50.46	101	50.63	101	51.00	102
Iron	5000.0	5027.67	101	4976.67	100	4953.00	99	5001.33	100
Lead	50.0	50.61	101	50.73	101	50.58	101	50.51	101
Magnesium	10000.0	10112.33	101	9755.33	98	9782.67	98	9795.33	98
Manganese	50.0	50.40	101	49.97	100	50.08	100	50.30	101
Molybdenum	50.0	51.47	103	51.43	103	51.25	103	51.85	104
Nickel	50.0	51.06	102	50.48	101	50.42	101	51.39	103
Strontium	50.0	51.04	102	51.54	103	51.50	103	51.32	103
Titanium	50.0	51.54	103	50.72	101	50.49	101	51.99	104
Zinc	50.0	49.22	98	50.56	101	50.37	101	50.83	102

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	CCV9 9/9/2006 12:40:26 AM		CCV10 9/9/2006 1:17:30 AM					
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	5000.0	4862.33	97	4667.33	93				
Antimony	50.0	50.15	100	50.90	102				
Barium	50.0	50.91	102	50.67	101				
Cadmium	50.0	49.95	100	49.56	99				
Chromium	50.0	52.34	105	51.93	104				
Cobalt	50.0	50.86	102	49.76	100				
Copper	50.0	51.21	102	50.00	100				
Iron	5000.0	4955.67	99	4828.33	97				
Lead	50.0	50.32	101	50.20	100				
Magnesium	10000.0	9831.67	98	9508.00	95				
Manganese	50.0	49.82	100	49.43	99				
Molybdenum	50.0	50.95	102	52.50	105				
Nickel	50.0	50.88	102	49.55	99				
Strontium	50.0	51.33	103	51.05	102				
Titanium	50.0	51.59	103	51.22	102				
Zinc	50.0	50.09	100	49.73	99				

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608158	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck5 CCV1 9/11/2006 2:19:57 PM		Ck5 CCV2 9/11/2006 2:48:11 PM		Ck5 CCV3 9/11/2006 3:19:01 PM		Ck5 CCV4 9/11/2006 3:47:11 PM	
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	5.0	4.99	100	5.02	100	5.06	101	5.10	102

GPL Laboratories, LLLP

Continuing Calibration Verification

Project:	608158	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck5 CCV5 9/11/2006 4:16:27 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	5.0	5.19	104						

GPL Laboratories, LLLP

Low Level Check Standard

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	PQL 9/8/2006 2:26:05 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Aluminum	100.0	93.96	94						
Antimony	1.0	1.19	119						
Barium	5.0	5.41	108						
Cadmium	0.5	0.52	103						
Chromium	2.0	2.09	104						
Copper	2.0	2.20	110						
Iron	50.0	45.87	92						
Lead	2.0	1.95	98						
Magnesium	100.0	97.49	97						
Manganese	2.0	1.99	100						
Molybdenum	5.0	5.13	103						
Nickel	1.0	1.02	102						
Strontium	2.0	2.09	105						
Titanium	2.0	2.00	100						
Zinc	10.0	11.17	112						

GPL Laboratories, LLLP

Low Level Check Standard

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	True	PQL(CO) 9/8/2006 3:13:11 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Cobalt	0.5	0.55	110						

GPL Laboratories, LLLP

Low Level Check Standard

Project:	608158	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	True	Ck4 CRA 9/11/2006 2:17:48 PM							
		Found	%R	Found	%R	Found	%R	Found	%R
Mercury	0.2	0.20	99						

GPL Laboratories, LLLP

Initial Calibration Blanks

Project: 608158

Units: ug/L

Standard Source:

Instrument: 3050X

Data File Name: 060908MS.csv

Standard ID:

Analyte	RL	ICB 9/8/2006 2:10:36 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U						
Antimony	1.00	0.17	U						
Barium	5.00	0.23	U						
Cadmium	0.50	0.14	U						
Chromium	2.00	0.28	U						
Cobalt	0.50	0.02	U						
Copper	2.00	0.20	U						
Iron	50.00	3.20	U						
Lead	2.00	0.08	U						
Magnesium	100.00	1.80	U						
Manganese	2.00	0.06	U						
Molybdenum	5.00	0.29	U						
Nickel	1.00	0.09	U						
Strontium	2.00	0.09	U						
Titanium	2.00	0.30	U						
Zinc	10.00	0.49	U						

GPL Laboratories, LLLP

Initial Calibration Blanks

Project:	608158	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck3 ICB 9/11/2006 2:15:20 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.06	U						

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB1 9/8/2006 2:20:57 PM		CCB2 9/8/2006 3:43:36 PM		CCB3 9/8/2006 5:21:45 PM		CCB4 9/8/2006 6:35:57 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U	2.70	U	2.70	U	2.70	U
Antimony	1.00	0.17	U	0.17	U	0.17	U	0.17	U
Barium	5.00	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	0.50	0.14	U	0.14	U	0.14	U	0.14	U
Chromium	2.00	0.28	U	1.01	J	0.28	U	0.28	U
Cobalt	0.50	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.20	U	0.20	U	0.20	U	0.20	U
Iron	50.00	3.20	U	3.20	U	3.20	U	4.13	J
Lead	2.00	0.08	U	0.08	U	0.08	U	0.08	U
Magnesium	100,00	1.80	U	1.80	U	1.80	U	1.80	U
Manganese	2.00	0.06	U	0.06	U	0.06	U	0.06	U
Molybdenum	5.00	0.29	U	0.29	U	0.29	U	0.29	U
Nickel	1.00	0.09	U	0.09	U	0.09	U	0.09	U
Strontium	2.00	0.09	U	0.09	U	0.09	U	0.09	U
Titanium	2.00	0.30	U	0.30	U	0.30	U	0.30	U
Zinc	10.00	0.49	U	0.49	U	0.49	U	0.49	U

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project: 608158 | Instrument: 3050X

Units: ug/L | Data File Name: 060908MS.csv

Standard Source: | Standard ID:

Analyte	RL	CCB5 9/8/2006 7:49:56 PM		CCB6 9/8/2006 9:04:03 PM		CCB7 9/8/2006 10:18:19 PM		CCB8 9/8/2006 11:32:28 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U	2.70	U	2.70	U	2.70	U
Antimony	1.00	0.17	U	0.17	U	0.17	U	0.17	U
Barium	5.00	0.23	U	0.23	U	0.23	U	0.23	U
Cadmium	0.50	0.14	U	0.14	U	0.14	U	0.14	U
Chromium	2.00	0.28	U	0.28	U	0.28	U	0.84	J
Cobalt	0.50	0.02	U	0.02	U	0.02	U	0.02	U
Copper	2.00	0.20	U	0.20	U	0.20	U	0.20	U
Iron	50.00	5.91	J	4.27	J	4.12	J	4.59	J
Lead	2.00	0.08	U	0.08	U	0.08	U	0.08	U
Magnesium	100.00	1.80	U	1.80	U	1.80	U	1.80	U
Manganese	2.00	0.06	U	0.06	U	0.06	U	0.06	U
Molybdenum	5.00	0.29	U	0.29	U	0.29	U	0.29	U
Nickel	1.00	0.09	U	0.09	U	0.09	U	0.09	U
Strontium	2.00	0.09	U	0.09	U	0.09	U	0.09	U
Titanium	2.00	0.30	U	0.30	U	0.30	U	0.30	U
Zinc	10.00	0.49	U	0.49	U	0.49	U	0.49	U

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:		Standard ID:	

Analyte	RL	CCB9 9/9/2006 12:46:34 AM		CCB10 9/9/2006 1:23:38 AM					
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Aluminum	100.00	2.70	U	2.70	U				
Antimony	1.00	0.17	U	0.17	U				
Barium	5.00	0.23	U	0.23	U				
Cadmium	0.50	0.14	U	0.14	U				
Chromium	2.00	0.67	J	1.99	J				
Cobalt	0.50	0.02	U	0.02	U				
Copper	2.00	0.20	U	0.20	U				
Iron	50.00	4.97	J	5.85	J				
Lead	2.00	0.08	U	0.08	U				
Magnesium	100.00	1.80	U	1.80	U				
Manganese	2.00	0.06	J	0.06	U				
Molybdenum	5.00	0.29	U	0.46	J				
Nickel	1.00	0.09	U	0.09	U				
Strontium	2.00	0.09	U	0.09	U				
Titanium	2.00	0.30	U	0.30	U				
Zinc	10.00	0.49	U	0.49	U				

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608158	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck6 CCB1 9/11/2006 2:22:07 PM		Ck6 CCB2 9/11/2006 2:50:58 PM		Ck6 CCB3 9/11/2006 3:21:31 PM		Ck6 CCB4 9/11/2006 3:49:42 PM	
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.06	U	0.07	J	0.06	U	0.06	J

GPL Laboratories, LLLP

Continuing Calibration Blanks

Project:	608158	Instrument:	7471H
Units:	ug/L	Data File Name:	Hg060911.PRN
Standard Source:		Standard ID:	

Analyte	RL	Ck6 CCB5 9/11/2006 4:18:39 PM							
		Found	Flag	Found	Flag	Found	Flag	Found	Flag
Mercury	0.20	0.06	U						

GPL Laboratories, LLLP

Interference Check Standards

Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	RL	True		Initial Found				Final Found			
		Sol. A	Sol. B	ICSA 09/08/06 14:36	%R	ICSAB 09/08/06 14:47	%R		%R		%R
Aluminum	100		100000	97200	97	97700	98				
Antimony	1		20	0.20		19.3	97				
Barium	5		20	0.50		21.0	105				
Cadmium	0.5		20	-0.12		17.1	86				
Chromium	2		20	-0.48		19.4	97				
Cobalt	0.5		20	0.16		18.7	94				
Copper	2		20	1.1		18.3	92				
Iron	50		250000	239000	95	238000	95				
Lead	2		20	0.13		21.6	108				
Magnesium	100		100000	99400	99	99500	100				
Manganese	2		20	0.057		19.4	97				
Molybdenum	5		2000	2030	101	2020	101				
Nickel	1		20	0.53		18.4	92				
Strontium	2		20	4.3		24.9	125				
Titanium	2		2000	2130	106	2130	106				
Zinc	10		20	2.3		19.1	95				

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Matrix Spike Recovery

Client ID:	NWO-017-0021 MS	Lab Sample ID:	SP608158-005-011-1/6
Project:	608158	Instrument:	3050X
Units:	mg/kg	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/09/06 00:21		Sample Result 09/09/06 00:15		Spike Added	%R
Aluminum	29135.90		23064.00		769.23	789
Antimony	1.86		0.28	J	7.69	21
Barium	267.56		186.96		76.92	105
Cadmium	7.66		0.33	J	7.69	95
Chromium	68.74		30.56		38.46	99
Cobalt	52.09		16.57		38.46	92
Copper	57.07		20.23		38.46	96
Iron	31046.15		29258.67		769.23	232
Lead	119.72		41.11		76.92	102
Magnesium	5023.85		4156.80		769.23	113
Manganese	917.18		893.87		76.92	30
Molybdenum	36.51		0.38	J	38.46	94
Nickel	56.37		17.99		38.46	100
Strontium	104.41		26.75		76.92	101
Titanium	1787.18		1517.60		153.85	175
Zinc	134.51		65.06		76.92	90

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Matrix Spike Recovery

Client ID:	NWO-017-0046 MS	Lab Sample ID:	SP608156-007-013-1/2
Project:	608158	Instrument:	7471H
Units:	mg/kg	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 09/11/06 15:37	Sample Result 09/11/06 15:34	Spike Added	%R
Mercury	0.56	0.04	0.48	109

GPL Laboratories, LLLP

Matrix Spike Duplicate Recovery

Client ID:	NWO-017-0021 MSD	Lab Sample ID:	SD608158-005-011-1/6
Project:	608158	Instrument:	3050X
Units:	mg/kg	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/09/06 00:28		Sample Result 09/09/06 00:15		Spike Added	%R
Aluminum	32078.28		23064.00		757.58	1190
Antimony	1.94		0.28	J	7.58	22
Barium	284.55		186.96		75.76	129
Cadmium	8.33		0.33	J	7.58	106
Chromium	73.49		30.56		37.88	113
Cobalt	55.11		16.57		37.88	102
Copper	61.78		20.23		37.88	110
Iron	33479.80		29258.67		757.58	557
Lead	116.97		41.11		75.76	100
Magnesium	5483.59		4156.80		757.58	175
Manganese	951.52		893.87		75.76	76
Molybdenum	38.79		0.38	J	37.88	101
Nickel	60.83		17.99		37.88	113
Strontium	110.53		26.75		75.76	111
Titanium	1960.35		1517.60		151.52	292
Zinc	145.35		65.06		75.76	106

GPL Laboratories, LLLP

Matrix Spike Duplicate Recovery

Client ID:	NWO-017-0046 MSD	Lab Sample ID:	SD608156-007-013-1/2
Project:	608158	Instrument:	7471H
Units:	mg/kg	Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 09/11/06 15:39		Sample Result 09/11/06 15:34		Spike Added	%R
Mercury	0.55		0.04		0.47	110

GPL Laboratories, LLLP

Post Digestion Spike Recovery

Client ID:	NWO-017-0021	Lab Sample ID:	PS608158-005-011-1/6
Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/09/06 00:34		Sample Result 09/09/06 00:15		Spike Added	%R
Antimony	82.70		0.34	J	80	103
Barium	249.90		233.70		20	81

GPL Laboratories, LLLP

Duplicates (RPD)

Client ID:	NWO-017-0021 MSD	Lab Sample ID:	SD608158-005-011-1/6
Project:	608158	Instrument:	3050X
Units:	mg/kg	Data File Name:	060908MS.csv

9/18/06 dp

Analyte	MATRIX SPIKE ~~Original~~ Sample Results	MATRIX SPIKE Duplicate Sample Results	RPD	Control Limit	Q
Aluminum	29135.90	32078.28	10	20	D
Antimony	1.86	1.94	4	20	ND
Barium	267.56	284.55	6	20	ND
Cadmium	7.66	8.33	8	20	D
Chromium	68.74	73.49	7	20	ED
Cobalt	52.09	55.11	6	20	D
Copper	57.07	61.78	8	20	D
Iron	31046.15	33479.80	8	20	D
Lead	119.72	116.97	2	20	D
Magnesium	5023.85	5483.59	9	20	D
Manganese	917.18	951.52	4	20	D
Molybdenum	36.51	38.79	6	20	D
Nickel	56.37	60.83	8	20	D
Strontium	104.41	110.53	6	20	D
Titanium	1787.18	1960.35	9	20	D
Zinc	134.51	145.35	8	20	ED

GPL Laboratories, LLLP

Duplicates (RPD)

Client ID:	NWO-017-0046 MSD	Lab Sample ID:	SD608156-007-013-1/2
Project:	608158	Instrument:	7471H
Units:	mg/kg	Data File Name:	Hg060911.PRN

dp 9/18/06

Analyte	MATRIX SPIKE ~~Original~~ Sample Results		MATRIX SPIKE Duplicate Sample Results		RPD	Control Limit	Q
Mercury	0.56		0.55		2	20	

GPL Laboratories, LLLP
Laboratory Control Sample

Project:	608158	Lab Sample ID:	BKS93574
Units:	mg/kg	Instrument:	3050X
		Data File Name:	060908MS.csv
Standard Source:	H.P.	Standard ID:	

Analyte	Spiked Sample Result 09/08/06 22:36	Spike Added	%R
Aluminum	893.80	1000.00	89
Antimony	9.62	10.00	96
Barium	99.02	100.00	99
Cadmium	9.69	10.00	97
Chromium	49.61	50.00	99
Cobalt	48.45	50.00	97
Copper	49.24	50.00	98
Iron	947.43	1000.00	95
Lead	97.35	100.00	97
Magnesium	932.90	1000.00	93
Manganese	96.20	100.00	96
Molybdenum	49.05	50.00	98
Nickel	48.74	50.00	97
Strontium	99.75	100.00	100
Titanium	197.83	200.00	99
Zinc	96.21	100.00	96

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Laboratory Control Sample

Project:	608158	Lab Sample ID:	BKS93633
Units:	mg/kg	Instrument:	7471H
		Data File Name:	Hg060911.PRN
Standard Source:	AB.ST.	Standard ID:	

Analyte	Spiked Sample Result 09/11/06 15:14	Spike Added	%R
Mercury	0.54	0.50	109

GPL Laboratories, LLLP

Serial Dilutions

Client ID:	NWO-017-0021	Lab Sample ID:	SE608158-005-011-1/6
Project:	608158	Instrument:	3050X
Units:	ug/L	Data File Name:	060908MS.csv

Analyte	Sample Result 09/09/06 00:15		Serial Dilution Result 09/09/06 00:52		Percent Difference	Flag
Aluminum	28830.00		28103.33		3	
Antimony	0.34	J	0.85	U	100	
Barium	233.70		234.37		0	
Cadmium	0.41	J	0.70	U	100	
Chromium	38.20		45.85		20	E
Cobalt	20.72		21.27		3	
Copper	25.29		26.62		5	
Iron	36573.33		37105.00		1	
Lead	51.38		50.75		1	
Magnesium	5196.00		5256.67		1	
Manganese	1117.33		1153.50		3	
Molybdenum	0.48	J	1.45	U	100	
Nickel	22.49		23.29		4	
Strontium	33.44		34.03		2	
Titanium	1897.00		1985.50		5	
Zinc	81.33		93.82		15	E

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Detection Limits

Project: 608158 Instrument: 3050X

Units: ug/L

Analyte	Wavelength/Mass	Reporting Limit	Method Detection Limit	Date of MDL
Aluminum	27	100	2.7	04/14/06
Antimony	121	1.0	0.17	04/14/06
Barium	137	5.0	0.23	04/14/06
Cadmium	110	0.50	0.14	04/14/06
Chromium	52	2.0	0.28	04/14/06
Cobalt	59	0.50	0.017	04/14/06
Copper	65	2.0	0.20	04/14/06
Iron	56	50.0	3.2	04/14/06
Lead	208	2.0	0.079	04/14/06
Magnesium	25	100	1.8	04/14/06
Manganese	55	2.0	0.057	04/14/06
Molybdenum	95	5.0	0.29	04/14/06
Nickel	60	1.0	0.088	04/14/06
Strontium	88	2.0	0.092	04/14/06
Titanium	47	2.0	0.30	04/14/06
Zinc	66	10.0	0.49	04/14/06

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Detection Limits

Project: 608158 Instrument: 7471H

Units: ug/L

Analyte	Wavelength/Mass	Reporting Limit	Method Detection Limit	Date of MDL
Mercury	253.7	0.20	0.058	08/10/06

GPL Laboratories, LLLP

Linear Dynamic Ranges

Project: 608158 Instrument: 3050X

Units: ug/L

Analyte	Wavelength/Mass	Linear Dynamic Range	Date of LDR 9/18/06 ~~04/14/06~~
Aluminum	27	110000	9/8/06
Antimony	121	550	04/14/06
Barium	137	5500	04/14/06
Cadmium	110	1100	04/14/06
Chromium	52	5500	04/14/06
Cobalt	59	5500	04/14/06
Copper	65	5500	04/14/06
Iron	56	275000	04/14/06
Lead	208	11000	04/14/06
Magnesium	25	110000	04/14/06
Manganese	55	5500	04/14/06
Molybdenum	95	5500	04/14/06
Nickel	60	4125	04/14/06
Strontium	88	6000	04/14/06
Titanium	47	5500	04/14/06
Zinc	66	2750	04/14/06

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Preparation Log

Project: 608158 Instrument: 3050X

Prep Method: Preparation for the Manual Cold Batch Number: 93574

Lab Sample ID	Client ID	Preparation Date	Initial Weight (grams)	Final Volume (ml)
BLK93574	BLK93574	09/06/2006	1.00	100
BKS93574	BKS93574	09/06/2006	1.00	100
S 608158-003-005-1/2	NWO-017-0019	09/06/2006	1.26	100
S 608158-004-007-1/2	NWO-017-0020	09/06/2006	1.26	100
S 608158-005-011-1/6	NWO-017-0021	09/06/2006	1.25	100
SP608158-005-011-1/6	NWO-017-0021 MS	09/06/2006	1.30	100
S 608158-001-001-1/2	NWO-017-0044	09/06/2006	1.33	100
S 608158-006-009-1/2	NWO-017-0045	09/06/2006	1.19	100
S 608158-002-003-1/2	NWO-017-1011	09/06/2006	1.14	100
SD608158-005-011-1/6	NWO-017-0021 MSD	09/06/2006	1.32	100

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Preparation Log

Project: 608158 Instrument: 7471H

Prep Method: Batch Number: 93633

Lab Sample ID	Client ID	Preparation Date	Initial Weight (grams)	Final Volume (ml)
BLK93633	BLK93633	09/10/2006	0.60	100
BKS93633	BKS93633	09/10/2006	0.60	100
S 608158-001-001-1/2	NWO-017-0044	09/10/2006	0.64	100
S 608158-006-009-1/2	NWO-017-0045	09/10/2006	0.70	100
S 608156-007-013-1/2	NWO-017-0046	09/10/2006	0.68	100
SP608156-007-013-1/2	NWO-017-0046 MS	09/10/2006	0.62	100
S 608158-002-003-1/2	NWO-017-1011	09/10/2006	0.67	100
SD608156-007-013-1/2	NWO-017-0046 MSD	09/10/2006	0.64	100

GPL Laboratories, LLLP
Analysis Run Log

Project: 608158 Instrument: 3050X

Data File Name: 060908MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
BLANK		09/08/06	1:19 PM
STD1		09/08/06	1:24 PM
STD2		09/08/06	1:29 PM
STD7		09/08/06	1:34 PM
STD3		09/08/06	1:39 PM
STD4		09/08/06	1:44 PM
STD5		09/08/06	1:50 PM
STD6		09/08/06	1:55 PM
ICV		09/08/06	2:00 PM
ICB		09/08/06	2:10 PM
CCV1		09/08/06	2:15 PM
CCB1		09/08/06	2:20 PM
PQL		09/08/06	2:26 PM
ICSA		09/08/06	2:36 PM
ICSAB		09/08/06	2:47 PM
PQL(CO)		09/08/06	3:13 PM
CCV2		09/08/06	3:37 PM
CCB2		09/08/06	3:43 PM
CCV3		09/08/06	5:15 PM
CCB3		09/08/06	5:21 PM
CCV4		09/08/06	6:29 PM
CCB4		09/08/06	6:35 PM
CCV5		09/08/06	7:43 PM
CCB5		09/08/06	7:49 PM
CCV6		09/08/06	8:57 PM
CCB6		09/08/06	9:04 PM
CCV7		09/08/06	10:12 PM
CCB7		09/08/06	10:18 PM
BLK93574	BLK93574	09/08/06	10:30 PM
BKS93574	BKS93574	09/08/06	10:36 PM
CCV8		09/08/06	11:26 PM
CCB8		09/08/06	11:32 PM
S 608158-001-001-1/2	NWO-017-0044	09/08/06	11:51 PM
S 608158-002-003-1/2	NWO-017-1011	09/08/06	11:57 PM
S 608158-003-005-1/2	NWO-017-0019	09/09/06	12:03 AM
S 608158-004-007-1/2	NWO-017-0020	09/09/06	12:09 AM
S 608158-005-011-1/6	NWO-017-0021	09/09/06	12:15 AM
SP608158-005-011-1/6	NWO-017-0021 MS	09/09/06	12:21 AM
SD608158-005-011-1/6	NWO-017-0021 MSD	09/09/06	12:28 AM

URIT Version 4.3.4

SW846

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Analysis Run Log

Project: 608158

Instrument: 3050X

Data File Name: 060908MS.csv

Sample Name	Client ID	Analysis Date	Analysis Time
PS608158-005-011-1/6	NWO-017-0021	09/09/06	12:34 AM
CCV9		09/09/06	12:40 AM
CCB9		09/09/06	12:46 AM
SE608158-005-011-1/6	NWO-017-0021	09/09/06	12:52 AM
S 608158-006-009-1/2	NWO-017-0045	09/09/06	12:58 AM
CCV10		09/09/06	1:17 AM
CCB10		09/09/06	1:23 AM

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Analysis Run Log

Project: 608158

Instrument: 7471H

Data File Name: Hg060911.PRN

Sample Name	Client ID	Analysis Date	Analysis Time
Std01Rep1		09/11/06	1:10 PM
Std01Rep2		09/11/06	1:12 PM
Std01Rep3		09/11/06	1:14 PM
Std02Rep1		09/11/06	1:16 PM
Std02Rep2		09/11/06	1:18 PM
Std02Rep3		09/11/06	1:21 PM
Std03Rep1		09/11/06	1:23 PM
Std03Rep2		09/11/06	1:25 PM
Std03Rep3		09/11/06	1:28 PM
Std04Rep1		09/11/06	1:31 PM
Std04Rep2		09/11/06	1:33 PM
Std04Rep3		09/11/06	1:35 PM
Std05Rep1		09/11/06	1:37 PM
Std05Rep2		09/11/06	1:39 PM
Std05Rep3		09/11/06	1:42 PM
Std06Rep1		09/11/06	1:44 PM
Std06Rep2		09/11/06	1:46 PM
Std06Rep3		09/11/06	1:49 PM
Ck2 ICV		09/11/06	2:13 PM
Ck3 ICB		09/11/06	2:15 PM
Ck4 CRA		09/11/06	2:17 PM
Ck5 CCV1		09/11/06	2:19 PM
Ck6 CCB1		09/11/06	2:22 PM
Ck5 CCV2		09/11/06	2:48 PM
Ck6 CCB2		09/11/06	2:50 PM
BLK93633	BLK93633	09/11/06	3:11 PM
BKS93633	BKS93633	09/11/06	3:14 PM
Ck5 CCV3		09/11/06	3:19 PM
Ck6 CCB3		09/11/06	3:21 PM
S 608156-007-013-1/2	NWO-017-0046	09/11/06	3:34 PM
SP608156-007-013-1/2	NWO-017-0046 MS	09/11/06	3:37 PM
SD608156-007-013-1/2	NWO-017-0046 MSD	09/11/06	3:39 PM
Ck5 CCV4		09/11/06	3:47 PM
Ck6 CCB4		09/11/06	3:49 PM
S 608158-001-001-1/2	NWO-017-0044	09/11/06	3:51 PM
S 608158-002-003-1/2	NWO-017-1011	09/11/06	3:54 PM
S 608158-006-009-1/2	NWO-017-0045	09/11/06	3:57 PM
Ck5 CCV5		09/11/06	4:16 PM
Ck6 CCB5		09/11/06	4:18 PM

URIT Version 4.3.4

SW846

ICPMS ANALYSIS LOG

Instrument ID: ICPMS (X0206) Inst. Method: 6020A Nebulizer:

Analytical Batch No: 060908MS

Workorder	Project/SDG #	Prep. Seq.	Batch #	Matrix s/w/e	Prep. Date	Method	Comments / Dilution
607194	ALION	83431	069	S	8.29.06	6020A	10x ON ALL
607199	↓	↓	↓	↓	↓	↓	↓
607192	↓	83126	104	↓	9.8.06	↓	↓
608156	SHAW	93574	096	↓	9.6.06	↓	↓
608158	↓	↓	↓	↓	↓	↓	↓

9.11.06

Source Solution Numbers			
Stds.	Number	Stds.	Number
S0	129-102-04	ICV	37877
S1	37871	CCV	37878
S2	37872	ICSA	37924
S3	37873	ICSAB	37925
S4	37874	CRI 6ug/L	37876
S5	37875	Low Ck	37549
Ints	37703	LR	37926

Post Digestion Spikes

Spike 9.9 mls of sample with 0.1 mls of 35664

Samples:

607194-005-023-1 / 3

607192-003-016-1 / 3

607192-012-019-1 / 3

608158-005-011-1 / 6

Analyst: [signature] Date: 9.11.06 Reviewed: RA Date: 9-11-06

F10OR002908_01.09_0504_a 200-1e 869

Camp Adair/Adair AFS

ICP ANALYSIS LOG

GPL - Maryland Laboratory

ICPMS Analysis Log

Data File: 060908MS.csv

Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	BLANK	1	9/8/2006	13:10	31	SD607104-005-023-1/1	10	9/8/2006	17:03	61	SD607102-003-010-1/	10	9/8/2006	20:08	91	S 608156-008-011-1/2	10	9/8/2006	23:13					
2	STD1	1	9/8/2006	13:24	32	PS607104-005-023-1/1	10	9/8/2006	17:09	62	PS607102-003-010-1/	10	9/8/2006	20:14	92	S 608156-007-013-1/2	10	9/8/2006	23:20					
3	STD2	1	9/8/2006	13:29	33	CCV	1	9/8/2006	17:15	63	SE607102-003-010-1/	50	9/8/2006	20:20	93	CCV	1	9/8/2006	23:26					
4	STD7	1	9/8/2006	13:34	34	CCB	1	9/8/2006	17:21	64	S 607102-004-008-1/1	10	9/8/2006	20:27	94	CCB	1	9/8/2006	23:32					
5	STD3	1	9/8/2006	13:39	35	SE607104-005-023-1/	50	9/8/2006	17:27	65	S 607102-007-008-1/1	10	9/8/2006	20:33	95	S 608156-008-015-1/2	10	9/8/2006	23:38					
6	STD4	1	9/8/2006	13:44	36	S 607104-006-008-1/1	10	9/8/2006	17:34	66	S 607102-010-012-1/1	10	9/8/2006	20:39	96	S 608156-009-017-1/2	10	9/8/2006	23:44					
7	STD5	1	9/8/2006	13:50	37	S 607104-007-007-1/1	10	9/8/2006	17:40	67	S 607102-011-013-1/1	10	9/8/2006	20:45	97	S 608156-001-001-1/2	10	9/8/2006	23:51					
8	STD6	1	9/8/2006	13:55	38	S 607104-008-008-1/1	10	9/8/2006	17:46	68	S 607102-012-010-1/3	10	9/8/2006	20:51	98	S 608156-002-003-1/2	10	9/8/2006	23:57					
9	ICV	1	9/8/2006	14:00	39	S 607104-009-009-1/1	10	9/8/2006	17:52	69	CCV	1	9/8/2006	20:57	99	S 608156-003-005-1/2	10	9/8/2006	0:03					
10	ICV(CD)	1	9/8/2006	14:05	40	S 607104-010-010-1/1	10	9/8/2006	17:58	70	CCB	1	9/8/2006	21:04	100	S 608156-004-007-1/2	10	9/8/2006	0:09					
11	ICB	1	9/8/2006	14:10	41	S 607104-011-011-1/1	10	9/8/2006	18:05	71	SP607102-012-010-1/	10	9/8/2006	21:10	101	S 608156-005-011-1/0	10	9/8/2006	0:15					
12	CCV	1	9/8/2006	14:15	42	S 607104-012-012-1/1	10	9/8/2006	18:11	72	SD607102-012-010-1/	10	9/8/2006	21:16	102	SP608156-005-011-1/	10	9/8/2006	0:21					
13	CCB	1	9/8/2006	14:20	43	S 607104-013-013-1/1	10	9/8/2006	18:17	73	PS607102-012-010-1/	10	9/8/2006	21:22	103	SD608156-005-011-1/	10	9/8/2006	0:28					
14	PQL	1	9/8/2006	14:26	44	S 607104-014-014-1/1	10	9/8/2006	18:23	74	SE607102-012-010-1/	50	9/8/2006	21:28	104	PS608156-005-011-1/	10	9/8/2006	0:34					
15	PQL(ZR)	1	9/8/2006	14:31	45	CCV	1	9/8/2006	18:29	75	S 607102-013-001-1/1	10	9/8/2006	21:34	105	CCV	1	9/8/2006	0:40					
16	ICSA	1	9/8/2006	14:36	46	CCB	1	9/8/2006	18:35	76	S 607102-014-002-1/1	10	9/8/2006	21:41	106	CCB	1	9/8/2006	0:46					
17	ICSAB	1	9/8/2006	14:47	47	S 607109-001-005-1/1	10	9/8/2006	18:42	77	S 607102-016-003-1/1	10	9/8/2006	21:47	107	SE608156-005-011-1/	50	9/8/2006	0:52					
18	LR	1	9/8/2006	14:52	48	S 607109-003-006-1/1	10	9/8/2006	18:48	78	S 607102-016-004-1/1	10	9/8/2006	21:53	108	S 608156-008-009-1/2	10	9/8/2006	0:58					
19	LR(ZR)	1	9/8/2006	15:02	49	S 607109-006-001-1/1	10	9/8/2006	18:54	79	S 607102-017-005-1/1	10	9/8/2006	21:59	109	ICSA	1	9/8/2006	1:05					
20	PQL(CD)	1	9/8/2006	15:13	50	S 607109-007-002-1/1	10	9/8/2006	19:00	80	S 607102-018-014-1/1	10	9/8/2006	22:05	110	ICSAB	1	9/8/2006	1:11					
21	CCV	1	9/8/2006	15:37	51	S 607109-008-003-1/1	10	9/8/2006	19:06	81	CCV	1	9/8/2006	22:12	111	CCV	1	9/8/2006	1:17					
22	CCB	1	9/8/2006	15:43	52	S 607109-009-004-1/1	10	9/8/2006	19:13	82	CCB	1	9/8/2006	22:18	112	CCB	1	9/8/2006	1:23					
23	BLK83431	10	9/8/2006	15:13	53	BLK83120	10	9/8/2006	19:19	83	S 607102-020-015-1/1	10	9/8/2006	22:24										
24	BKS83431	10	9/8/2006	15:19	54	BKS83126	10	9/8/2006	19:25	84	BLK83574	10	9/8/2006	22:30										
25	S 607104-001-001-1/1	10	9/8/2006	15:26	55	S 607102-001-010-1/1	10	9/8/2006	19:31	85	BKS83574	10	9/8/2006	22:36										
26	S 607104-002-002-1/1	10	9/8/2006	15:32	56	S 607102-002-011-1/1	10	9/8/2006	19:37	86	S 608156-001-001-1/2	10	9/8/2006	22:43										
27	S 607104-003-003-1/1	10	9/8/2006	15:38	57	CCV	1	9/8/2006	19:43	87	S 608156-002-003-1/2	10	9/8/2006	22:49										
28	S 607104-004-004-1/1	10	9/8/2006	15:44	58	CCB	1	9/8/2006	19:49	88	S 608156-003-005-1/2	10	9/8/2006	22:55										
29	S 607104-005-023-1/3	10	9/8/2006	15:50	59	S 607102-003-010-1/3	10	9/8/2006	19:56	89	S 608156-004-007-1/2	10	9/8/2006	23:01										
30	SP607104-005-023-1/	10	9/8/2006	15:56	60	SP607102-003-010-1/	10	9/8/2006	20:02	90	S 608156-005-009-1/2	10	9/8/2006	23:07										

Analyst Signature: [signature] Date: 9.11.06 Analyst Signature: Date:

Sample Dilutions:

IS okay
LR okay

Camp Adair/Adair AFS
F10OR002908_01.09_0504_a 200-1e 870

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/08/2006 End Date: 09/09/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
BLANK	13:19	100		100		100		100		100	
STD1	13:24	104		104		103		105		104	
STD2	13:29	99		102		101		106		101	
STD7	13:34	102		102		100		103		102	
STD3	13:39	102		101		100		101		102	
STD4	13:44	100		99		101		100		99	
STD5	13:50	101		102		102		102		103	
STD6	13:55	100		101		103		103		103	
ICV	14:00	104		101		102		100		103	
ICV(CD)	14:05	99		97		100		97		98	
ICB	14:10	95		95		95		97		96	
CCV	14:15	97		95		94		94		98	
CCB	14:20	98		96		96		96		97	
PQL	14:26	101		96		97		95		99	
PQL(ZR)	14:31	98		96		97		95		97	
ICSA	14:36	82		84		78		82		89	
ICSAB	14:47	82		83		78		80		90	
LR	14:52	97		91		88		90		97	
LR(ZR)	15:02	103		100		100		97		101	
PQL(CO)	15:13	100		98		99		97		99	
CCV	15:37	97		94		99		93		97	
CCB	15:43	98		97		102		97		98	
BLK83431	16:13	98		95		104		96		96	
BKS83431	16:19	99		96		105		97		98	
S 607194-001-001-1/1	16:26	98		94		100		103		99	
S 607194-002-002-1/1	16:32	95		93		97		103		97	
S 607194-003-003-1/1	16:38	99		93		99		101		98	
S 607194-004-004-1/1	16:44	100		94		99		102		100	
S 607194-005-023-1/3	16:50	94		92		97		101		97	
SP607194-005-023-1/3	16:56	99		95		99		103		100	
SD607194-005-023-1/3	17:03	99		95		102		104		101	
PS607194-005-023-1/3	17:09	100		95		100		103		101	
CCV	17:15	93		92		96		94		95	
CCB	17:21	100		96		101		95		98	
SE607194-005-023-1/3	17:27	100		96		103		98		98	
S 607194-006-006-1/1	17:34	96		94		97		105		99	
S 607194-007-007-1/1	17:40	99		96		99		105		101	
S 607194-008-008-1/1	17:46	100		97		104		106		101	

FORM XV - IN CLP_ILM05.3

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/08/2006 End Date: 09/09/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
S 607194-009-009-1/1	17:52	101		97		102		104		103	
S 607194-010-010-1/1	17:58	97		96		99		105		100	
S 607194-011-011-1/1	18:05	105		99		105		100		103	
S 607194-012-012-1/1	18:11	101		98		105		108		103	
S 607194-013-013-1/1	18:17	103		100		104		103		103	
S 607194-014-014-1/1	18:23	103		100		107		103		103	
CCV	18:29	100		97		103		96		100	
CCB	18:35	103		100		110		100		101	
S 607199-001-005-1/1	18:42	100		99		100		101		100	
S 607199-003-006-1/1	18:48	101		97		103		103		101	
S 607199-006-001-1/1	18:54	100		97		104		107		102	
S 607199-007-002-1/1	19:00	103		99		105		105		103	
S 607199-008-003-1/1	19:06	95		95		99		106		99	
S 607199-009-004-1/1	19:13	106		100		106		100		105	
BLK83126	19:19	103		100		109		98		101	
BKS83126	19:25	100		98		104		97		101	
S 607192-001-010-1/1	19:31	101		98		104		103		102	
S 607192-002-011-1/1	19:37	100		98		103		106		101	
CCV	19:43	91		93		99		95		95	
CCB	19:49	100		98		105		98		99	
S 607192-003-016-1/3	19:56	101		98		106		106		102	
SP607192-003-016-1/3	20:02	95		97		101		106		99	
SD607192-003-016-1/3	20:08	102		99		106		106		103	
PS607192-003-016-1/3	20:14	100		98		106		109		102	
SE607192-003-016-1/3	20:20	100		98		105		102		100	
S 607192-004-006-1/1	20:27	100		98		106		110		103	
S 607192-007-009-1/1	20:33	98		98		104		102		100	
S 607192-010-012-1/1	20:39	101		98		105		107		103	
S 607192-011-013-1/1	20:45	100		98		106		110		103	
S 607192-012-019-1/3	20:51	95		96		105		109		99	
CCV	20:57	98		95		104		95		98	
CCB	21:04	97		97		107		100		97	
SP607192-012-019-1/3	21:10	99		97		104		108		101	
SD607192-012-019-1/3	21:16	99		98		105		108		102	
PS607192-012-019-1/3	21:22	96		96		101		109		100	
SE607192-012-019-1/3	21:28	104		99		106		101		102	
S 607192-013-001-1/1	21:34	93		96		102		110		98	
S 607192-014-002-1/1	21:41	101		99		107		108		103	

FORM XV - IN CLP_ILM05.3

USEPA - CLP

15 - IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: DHJK

ICP-MS Instrument ID: SEDI Start Date: 09/08/2006 End Date: 09/09/2006

EPA Sample No.	Time	Internal Standards %RI For:									
		Bi (209)	Q	In (115)	Q	Li (6)	Q	Sc (45)	Q	Tb (159)	Q
S 607192-015-003-1/1	21:47	94		96		103		108		98	
S 607192-016-004-1/1	21:53	100		98		106		108		103	
S 607192-017-005-1/1	21:59	97		97		105		110		101	
S 607192-018-014-1/1	22:05	102		99		109		102		102	
CCV	22:12	96		94		103		94		97	
CCB	22:18	100		98		108		99		99	
S 607192-020-015-1/1	22:24	101		99		107		107		102	
BLK93574	22:30	100		99		111		101		100	
BKS93574	22:36	102		99		111		100		102	
S 608156-001-001-1/2	22:43	96		99		110		110		100	
S 608156-002-003-1/2	22:49	99		100		113		109		101	
S 608156-003-005-1/2	22:55	95		98		108		108		99	
S 608156-004-007-1/2	23:01	97		98		108		107		99	
S 608156-005-009-1/2	23:07	90		95		106		107		95	
S 608156-006-011-1/2	23:13	95		97		107		108		98	
S 608156-007-013-1/2	23:20	91		96		108		108		95	
CCV	23:26	91		91		100		92		92	
CCB	23:32	95		96		110		100		95	
S 608156-008-015-1/2	23:38	93		97		112		107		96	
S 608156-009-017-1/2	23:44	96		98		110		108		98	
S 608158-001-001-1/2	23:51	91		95		106		107		95	
S 608158-002-003-1/2	23:57	96		98		110		107		98	
S 608158-003-005-1/2	0:03	90		94		106		107		95	
S 608158-004-007-1/2	0:09	94		97		106		106		98	
S 608158-005-011-1/6	0:15	90		95		108		108		95	
SP608158-005-011-1/6	0:21	92		94		105		106		95	
SD608158-005-011-1/6	0:28	90		94		108		106		95	
PS608158-005-011-1/6	0:34	91		93		103		104		95	
CCV	0:40	88		90		100		93		91	
CCB	0:46	93		95		108		99		94	
SE608158-005-011-1/6	0:52	96		98		111		103		97	
S 608158-006-009-1/2	0:58	91		95		106		104		95	
ICSA	1:05	74		81		84		84		83	
ICSAB	1:11	74		80		84		82		83	
CCV	1:17	96		92		105		92		96	
CCB	1:23	93		95		108		98		94	

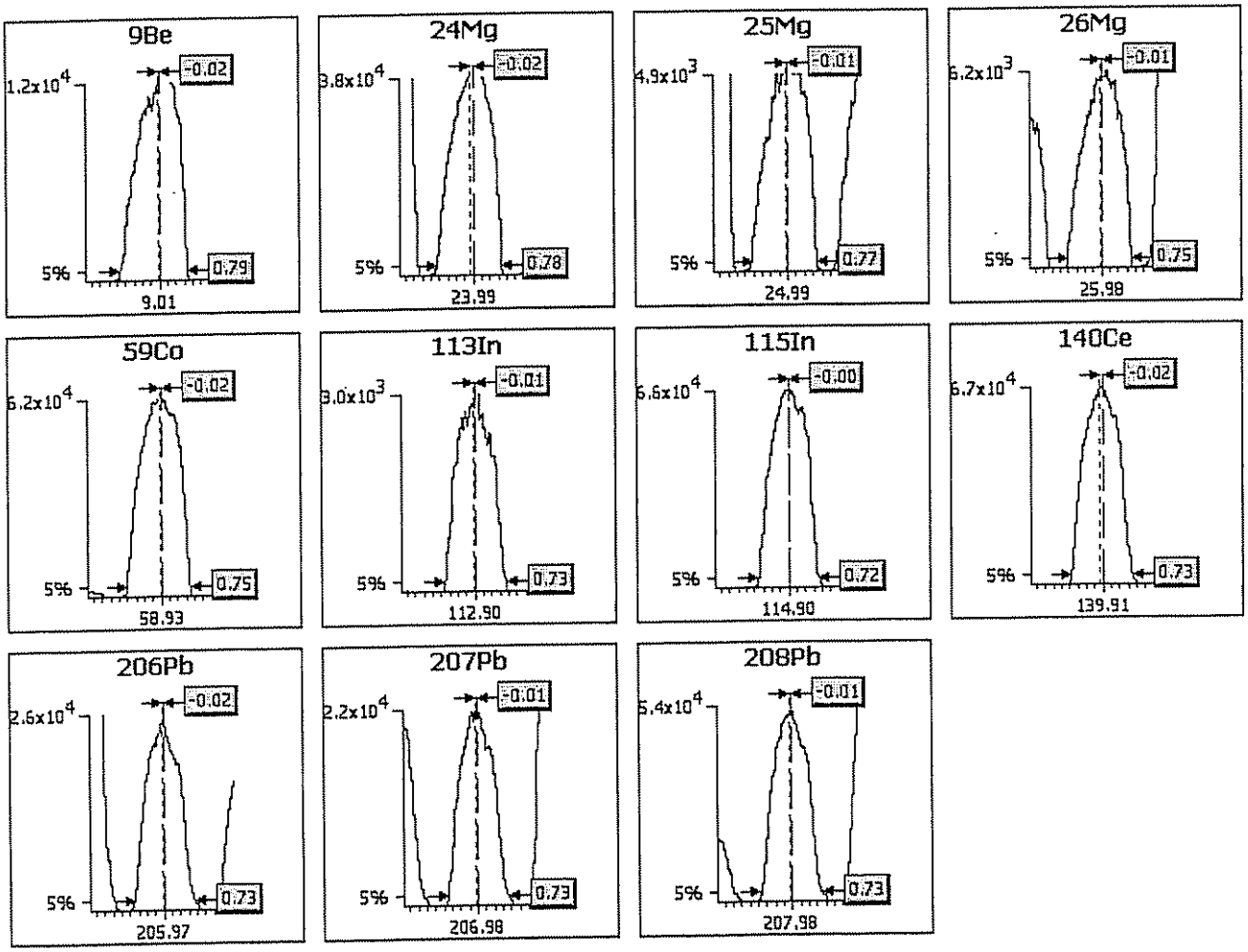
FORM XV - IN CLP_ILM05.3

Performance Report

Sample details
Acquired at : 09/08/2006 12:12:17 PM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.01 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error

9Be	0.90	0.45	0.10	0.79	-0.02
24Mg	0.90	0.45	0.10	0.78	-0.02
25Mg	0.90	0.45	0.10	0.77	-0.01
26Mg	0.90	0.45	0.10	0.75	-0.01
59Co	0.90	0.45	0.10	0.75	-0.02
113In	0.90	0.45	0.10	0.73	-0.01
115In	0.90	0.45	0.10	0.72	-0.00
140Ce	0.90	0.45	0.10	0.73	-0.02
206Pb	0.90	0.45	0.10	0.73	-0.02
207Pb	0.90	0.45	0.10	0.73	-0.01
208Pb	0.90	0.45	0.10	0.73	-0.01

Sample details
Acquired at : 09/08/2006 12:12:17 PM
Report name : EPA 6020A 2.1A [05/30/2006 01:04:54 PM]

Tune conditions

Major	
Extraction	-145
Lens 1	2.0
Focus	27.1
D1	-41.6
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.91
Sampling Depth	130

Minor	
Lens 2	-49.4
Lens 3	-134.1
Forward power	1404
Horizontal	105
Vertical	410
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	122
High resolution	125
Analogue Detector	2167
PC Detector	3471

Add. Gases

Sensitivity and stability results

Acquisition parameters
Sweeps : 180

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	113In	115In	140Ce
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	Countrate	-	>4000	>5000	>1000	>1000	>10000	>1000	>50000	>50000
1	12:13:47 PM	0.056	11002.272	37899.403	5169.578	5908.508	64108.876	3051.713	69483.020	70454.811
2	12:14:58 PM	0.167	10907.817	37580.393	5206.802	5885.173	63209.415	3012.268	68356.689	69851.054
3	12:16:09 PM	0.056	10944.488	37776.578	5253.471	5895.174	63952.109	2996.156	68292.756	69967.802
4	12:17:20 PM	0.167	11067.835	37404.216	5278.473	5904.619	64322.903	3001.156	68661.898	69844.383
5	12:18:32 PM	0.000	11075.613	37439.229	5214.580	5766.833	63117.135	3011.156	68143.210	69994.488
x		0.089	10999.605	37619.964	5224.581	5872.061	63742.088	3014.490	68587.514	70022.507
σ		0.07	74.00	214.12	42.37	59.51	545.50	21.88	535.03	250.89
%RSD		83.853	0.673	0.569	0.811	1.014	0.856	0.726	0.780	0.358

Run	Time	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	2.0%	2.0%	2.0%	-
	Countrate	-	>10000	>10000	>25000	<2
1	12:13:47 PM	777.966	26116.188	21884.617	53615.480	0.222
2	12:14:58 PM	757.410	25943.921	21606.223	53034.059	0.000
3	12:16:09 PM	786.114	25863.900	21583.440	52514.897	0.000
4	12:17:20 PM	768.892	25666.627	21701.799	53082.418	0.167
5	12:18:32 PM	767.781	25739.423	21649.565	52658.861	0.056
x		771.633	25866.012	21685.129	52981.143	0.089
σ		10.89	176.38	120.32	429.15	0.10
%RSD		1.411	0.682	0.555	0.810	113.537

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0200
1	12:13:47 PM	0.011

2	12:14:58 PM	0.011
3	12:16:09 PM	0.011
4	12:17:20 PM	0.011
5	12:18:32 PM	0.011
x		0.0110
σ		0.00
%RSD		1.2900

Result : The performance report passed.

Dilution Corrected Concentrations

BLANK 09/08/2006 01:19:22 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.000%	0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	100.000%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	-0.000	-0.000	0.000	0.000	-0.000	0.000	-0.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	0.000	0.000	-0.000	0.000	0.000	0.000	-0.000	-0.000

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	-0.000	100.000%	0.000	-0.000	-0.000	0.000	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.000%	0.000	-0.000	-0.000	100.000%

STD1 09/08/2006 01:24:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.126%	5.049	0.637	0.279	0.285	τ4861.000	0.403	28.150	105.427%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.470	51.610	50.810	-3121.000	49.470	τ4917.000	50.020	50.490	50.460

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.060	50.320	0.082	50.320	50.790	0.000	50.000	50.260	49.710

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.782	50.140	49.730	104.141%	51.490	50.320	50.730	51.170	0.045

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		104.195%	49.290	50.030	49.630	104.421%

STD2 09/08/2006 01:29:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.253%	10.570	0.360	0.102	0.171	TM 10070.000	0.542	60.010	106.026%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.400	103.000	102.400	-2236.000	99.470	TM 10040.000	100.900	103.100	103.100

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.300	101.100	0.146	99.410	100.700	0.000	107.200	102.000	M 100.100

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-3.796	M 99.930	99.060	101.892%	102.700	100.900	99.960	102.300	0.141

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.975%	103.300	102.500	99.940	98.736%

STD7 09/08/2006 01:34:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.584%	0.005	-0.759	-0.102	-0.072	0.845	0.894	-2.629	103.047%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.915	0.674	0.103	3342.000	0.009	2.466	-0.001	0.014	0.013

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.732	-0.297	0.076	-0.547	-0.001	0.000	M 250.000	0.121	0.275

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-3.108	0.038	1.969	102.308%	-0.017	0.016	0.022	0.046	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.985%	0.322	0.344	0.003	101.628%

STD3 09/08/2006 01:39:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.840%	M 49.880	3.175	0.575	0.656	4.383	1.754	125.800	101.315%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 999.800	TM 999.600	TM 999.700	-12410.000	TM 1000.000	TM 49840.000	TM 999.900	M 749.600	M 999.700
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 499.800	M 199.400	0.045	M 200.200	M 199.500	0.000	M 557.600	M 999.800	M 100.800
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-10.320	M 99.650	M 200.500	100.997%	M 999.700	M 499.800	M 499.900	M 999.700	1.419
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.162%	M 198.500	M 198.700	TM 2000.000	102.446%				

STD4 09/08/2006 01:44:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.538%	0.010	T 987.200	T 992.300	1017.000	1.693	T 999.600	1030.000	99.554%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.156	0.535	1.236	-14070.000	0.084	3.154	0.052	0.274	0.505
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.002	-0.073	-0.054	-0.239	0.033	0.000	0.135	0.708	0.005
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.085	0.005	0.036	99.075%	0.369	0.311	0.309	0.127	0.004
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		99.434%	0.628	0.649	0.124	100.123%				

STD5 09/08/2006 01:50:02 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.037%	0.004	T 9968.000	T 9972.000	T 9983.000	0.620	T 9994.000	9912.000	102.329%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn56	Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.096	0.755	0.746	-14390.000	0.246	2.514	0.009	0.121	0.072

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.513	-0.079	0.049	-0.382	0.133	0.000	0.048	0.123	0.007

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.046	0.005	0.013	101.863%	0.128	0.045	0.044	0.056	0.009

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.233%	0.210	0.204	0.147	101.484%

STD6 09/08/2006 01:55:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.109%	0.002	TM 20020.000	TM 20010.000	TM 20010.000	1.072	TM 20000.000	TM 20040.000	102.999%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.061	0.455	0.672	-11180.000	0.477	3.507	0.012	0.132	0.084

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.829	0.129	0.166	-0.711	0.234	0.000	0.044	0.105	0.009

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.095	0.008	-0.022	101.188%	0.088	0.032	0.027	0.141	0.006

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.259%	0.111	0.130	0.225	100.327%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.632%	4.255	τ4894.000	τ4911.000	τ4865.000	τ477.400	τ4903.000	4971.000	99.872%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.910	43.520	39.440	6823.000	41.350	τ507.800	40.990	41.290	41.150

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		41.570	40.790	0.134	40.790	41.560	0.000	41.520	41.800	40.500

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.481	40.510	4.523	101.059%	42.550	42.140	42.370	42.560	0.070

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.151%	41.270	42.010	41.550	103.770%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.968%	0.003	-0.990	0.196	0.154	0.416	0.082	-3.624	96.551%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.060	-0.716	-0.542	11390.000	0.012	-0.053	0.006	0.004	0.015

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.286	-0.060	0.010	-0.097	0.000	0.000	0.139	0.089	0.006

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.050	0.004	3.851	96.880%	0.012	0.017	0.013	-0.029	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.757%	0.270	0.279	0.015	98.644%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.366%	0.003	-1.105	0.078	0.019	-0.120	0.262	-4.752	96.740%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.015	0.138	-0.195	5925.000	-0.009	-1.386	0.002	0.001	-0.023
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.260	0.006	-0.013	-0.455	-0.005	0.000	0.062	0.020	0.002
Run	Time	108Mo O	109Ag11	0Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.071	0.001	0.016	95.416%	-0.000	0.009	-0.008	-0.001	0.006
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		95.841%	0.106	0.094	0.004	95.436%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.878%	5.132	τ9768.000	τ9871.000	τ9873.000	τ4873.000	τ9803.000	9789.000	94.198%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.340	52.360	50.670	-12520.000	49.800	τ4971.000	50.130	50.160	50.010
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.440	50.280	0.032	50.430	51.420	0.000	52.580	51.560	49.590
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.819	49.870	49.750	95.071%	51.560	51.230	50.950	50.800	0.056
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.110%	50.570	51.240	50.720	97.262%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.297%	0.000	-1.055	0.221	0.330	-0.091	-0.557	-4.131	95.536%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.055	0.666	-0.025	-6031.000	-0.005	-1.396	0.004	-0.010	-0.031

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.545	-0.033	-0.101	-0.442	-0.008	0.000	0.123	0.062	0.003

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.062	0.002	-0.022	96.297%	-0.015	0.009	0.009	-0.011	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.334%	0.259	0.263	0.007	98.438%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.356%	0.201	τ931.700	91.510	97.490	93.960	τ942.000	984.400	95.031%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.995	11.320	2.085	-18970.000	1.993	45.870	1.003	1.023	2.203

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.170	5.037	-0.137	4.459	2.094	0.000	0.087	5.133	0.314

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	0.316	0.516	96.155%	5.116	1.194	1.108	5.415	0.004

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.596%	2.026	2.048	1.954	100.895%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.560%	0.005	-0.954	0.034	0.040	-0.092	-1.437	-3.555	95.085%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.100	0.906	-0.101	-8605.000	-0.008	-1.700	0.001	-0.004	-0.034

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.068	0.000	-0.080	-0.370	-0.012	0.000	8.817	0.013	0.014

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.035	0.002	0.044	95.872%	-0.017	0.004	0.005	-0.013	0.003

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.476%	0.044	0.046	0.001	98.361%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		78.462%	0.001	TM 259300.000	TM 99470.000	TM 99340.000	TM 97240.000	TM 100200.000	TM 302800.000	82.419%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2131.000	-0.532	-0.485	-55420.000	0.057	TM 238700.000	0.157	0.530	1.089

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.273	0.817	0.405	-0.009	4.254	0.000	2.751	M 2027.000	0.089

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.118	0.093	-0.124	84.037%	0.104	0.203	0.203	0.496	0.042

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		89.411%	0.105	0.102	0.134	81.579%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		77.567%	18.590	TM 264500.000	TM 100300.000	TM 99530.000	TM 97690.000	TM 100200.000	TM 303400.000	80.481%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2126.000	21.000	19.410	-64750.000	19.410	TM 237700.000	18.710	18.420	18.330

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		19.060	19.300	0.230	17.770	24.920	0.000	16.200	M 2017.000	17.440

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.637	17.530	17.100	83.255%	20.480	19.310	19.340	21.040	0.104

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		90.002%	21.540	21.770	21.560	81.958%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		88.066%	M 245.200	33.770	6.175	6.206	9.284	11.190	3207.000	89.724%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 4889.000	TM 4974.000	TM 5018.000	T 90290.000	TM 4966.000	TM 244800.000	TM 4943.000	TM 3815.000	TM 5113.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2406.000	M 968.700	0.046	M 958.400	TM 6087.000	0.000	M 562.600	TM 5431.000	M 495.400

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb12	3Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-23.990	M 497.700	M 969.000	91.000%	TM 4883.000	M 515.400	M 512.800	TM 5089.000	6.411

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.009%	TM 1019.000	TM 1012.000	TM 9930.000	96.686%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.405%	0.002	6.291	1.623	1.763	1.776	4.383	0.283	96.811%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.924	1.302	1.730	-42150.000	0.022	6.471	0.036	0.019	0.012

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.010	-0.294	-0.107	-0.292	0.039	0.000	TM 948.300	0.867	1.134

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-11.390	0.132	7.679	99.537%	0.401	0.012	0.014	0.052	0.004

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.183%	0.542	0.548	0.103	102.984%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.723%	0.110	T 478.900	48.910	51.460	50.200	485.700	500.300	96.828%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.249	6.636	2.263	-43340.000	1.021	29.730	0.548	0.572	1.109

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.861	2.208	-0.174	1.799	1.053	0.000	1.241	2.779	0.168

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.091	0.166	0.244	97.832%	2.797	0.552	0.594	2.848	0.005

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.687%	1.141	1.166	1.070	99.574%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.990%	4.997	τ9751.000	τ9780.000	τ9756.000	τ4764.000	τ9700.000	9793.000	92.541%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.900	52.690	51.920	-35860.000	49.990	τ4952.000	49.680	49.750	50.650
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.550	50.440	-0.087	51.830	50.930	0.000	54.640	51.150	49.350
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.640	49.660	49.700	93.691%	51.390	50.290	50.400	50.140	0.069
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.445%	51.140	51.440	50.440	96.700%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.742%	0.005	1.561	0.507	0.512	0.274	0.614	-4.019	96.651%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.173	0.650	1.008	-26390.000	-0.006	1.167	0.011	-0.003	-0.014
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.402	0.226	-0.125	-0.321	0.010	0.000	0.131	0.093	0.002
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.030	0.003	-0.014	96.640%	0.077	0.013	0.006	0.065	0.000
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.798%	0.290	0.272	0.019	97.937%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.787%	-0.002	9.422	14.000	14.650	49.800	1.740	151.500	95.557%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.509	-0.287	-0.200	11260.000	0.091	5.410	0.015	0.185	0.045

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.728	0.201	-0.043	0.151	2.268	0.000	2.866	0.056	0.004

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.048	0.001	0.001	94.801%	2.748	0.130	0.139	5.519	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		96.364%	0.015	0.014	0.052	98.241%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.132%	4.975	τ964.000	τ963.100	1000.000	τ956.700	τ944.000	1112.000	97.167%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		207.800	53.870	52.620	6929.000	102.600	τ994.500	51.850	53.110	52.710

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.000	9.773	-0.011	9.640	104.900	0.000	47.030	52.620	10.440

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.716	10.450	10.520	96.327%	55.820	10.290	10.440	104.600	0.156

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.488%	10.240	10.450	103.100	99.439%

S 607194-001-001-1/1 09/08/2006 04:26:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.664%	1.094	T 10720.000	T 2881.000	2797.000	TM 37020.000	T 12670.000	5106.000	102.905%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1600.000	35.320	27.350	-30700.000	227.800	TM 14150.000	3.949	9.101	7.930

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.700	3.351	0.063	0.060	102.500	0.000	36.160	0.867	0.071

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.290	0.086	0.483	94.029%	4.412	0.324	0.331	345.000	4.150

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.703%	0.349	0.354	T 861.200	98.279%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.303%	1.335	T 16340.000	T 3519.000	T 3503.000	TM 45210.000	T 17020.000	7284.000	103.271%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1399.000	32.400	13.940	-34470.000	T 314.700	TM 15360.000	4.374	8.486	9.828

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.540	2.083	0.011	0.221	156.300	0.000	29.300	0.298	0.061

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.403	0.065	0.357	92.589%	3.693	0.200	0.232	531.700	5.427

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.155%	0.380	0.377	14.690	95.174%

S 607194-003-003-1/1 09/08/2006 04:38:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.988%	1.425	T 8713.000	T 3686.000	T 3674.000	TM 41970.000	T 12660.000	3598.000	101.371%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1631.000	51.790	24.700	-36510.000	T 583.800	TM 21910.000	9.767	12.440	11.610
Run	Time	66Zn75	As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.840	7.281	0.047	0.743	83.030	0.000	39.400	0.897	0.085
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.585	0.083	0.497	93.482%	4.098	0.319	0.347	381.200	6.006
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.484%	0.380	0.401	23.080	99.024%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.380%	1.261	T 12380.000	T 4563.000	T 4531.000	TM 46570.000	T 13670.000	6416.000	102.496%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1828.000	54.790	26.630	-37000.000	T 609.100	TM 22950.000	6.860	14.250	13.790
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.840	5.593	0.066	0.522	130.700	0.000	38.830	0.683	0.097
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.517	0.073	0.471	93.814%	5.457	0.352	0.417	389.100	5.404
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		99.736%	0.351	0.361	40.550	100.094%				

S 607194-005-023-1/3 09/08/2006 04:50:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.515%	1.355	T 12700.000	T 4310.000	T 4287.000	TM 43780.000	T 14520.000	6062.000	101.470%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1629.000	46.910	22.320	-36780.000	T 406.600	TM 19510.000	7.493	11.970	12.680
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		116.900	3.752	0.091	0.474	117.600	0.000	34.560	0.551	0.077
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.416	0.067	0.365	92.248%	3.934	0.639	0.667	369.200	5.179
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		96.534%	0.370	0.370	29.480	94.445%				

SP607194-005-023-1/3 09/08/2006 04:56:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.743%	6.104	T 12940.000	T 4664.000	T 4632.000	TM 42000.000	T 14360.000	6662.000	102.671%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1635.000	89.900	67.910	-38090.000	T 428.900	TM 18330.000	53.450	58.440	58.690
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		181.000	13.600	0.010	9.368	M 211.300	0.000	77.700	51.370	9.866
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.215	9.813	10.590	95.098%	56.380	10.480	10.640	429.200	5.033
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		99.579%	10.490	10.600	129.300	99.225%				

SD607194-005-023-1/3 09/08/2006 05:03:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.848%	6.201	T 13510.000	T 5426.000	T 5384.000	TM 43910.000	T 14490.000	7906.000	104.218%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1907.000	97.490	71.190	-38390.000	T 454.800	TM 20570.000	54.260	60.000	60.950
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		191.400	13.210	0.102	9.907	M 225.300	0.000	80.790	52.130	10.040
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.966	10.040	10.450	95.290%	57.450	10.580	10.860	467.800	5.902
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.754%	10.600	10.760	132.100	99.423%				

PS607194-005-023-1/3 09/08/2006 05:09:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.130%	10.570	T 16560.000	T 8598.000	T 8555.000	TM 41430.000	T 18150.000	10170.000	103.244%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1558.000	63.290	39.780	-40030.000	T 454.900	TM 20180.000	35.190	48.900	39.960
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		182.100	78.260	0.084	66.250	132.800	0.000	TM 582.600	31.610	40.110
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.162	39.830	24.140	94.917%	110.900	78.890	81.470	371.800	5.098
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.959%	104.100	104.800	109.200	99.792%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.117%	5.163	↹9891.000	↹10020.000	↹9988.000	↹4894.000	↹9798.000	9813.000	93.610%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.490	52.220	51.350	-2328.000	50.000	↹4970.000	50.550	50.720	50.250

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.600	50.700	0.132	51.990	51.030	0.000	48.650	51.280	49.690

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.668	49.780	49.750	92.152%	51.510	50.470	50.180	50.660	0.057

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.522%	51.630	51.180	49.930	93.135%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.959%	-0.002	-0.152	0.117	0.095	0.307	-0.815	-4.835	95.182%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.059	-0.051	-0.468	18660.000	0.009	1.903	-0.001	-0.010	-0.021

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.353	-0.106	0.123	-0.568	0.001	0.000	0.165	0.056	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.106	0.001	-0.036	96.318%	0.060	0.053	0.056	0.046	0.003

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.282%	0.142	0.162	0.008	100.423%

SE607194-005-023-1/3 09/08/2006 05:27:57 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.193%	0.240	τ 2294.000	τ 795.000	818.400	τ 8141.000	τ 2793.000	1228.000	97.662%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		327.500	9.977	5.217	-19230.000	81.510	τ 3798.000	1.497	2.483	2.560
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.800	0.831	0.033	-0.207	22.780	0.000	8.683	0.145	0.014
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.028	0.010	0.056	96.213%	0.753	0.162	0.151	69.880	1.006
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.499%	0.132	0.127	5.373	100.352%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.226%	1.352	τ 12720.000	τ 4659.000	τ 4631.000	τM 48570.000	τ 13650.000	7236.000	105.053%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2057.000	63.030	33.630	-40040.000	τ 517.700	τM 22960.000	7.039	17.240	17.580
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.970	6.073	0.092	0.841	132.900	0.000	41.650	1.384	0.161
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.694	0.140	2.936	94.303%	5.644	0.479	0.505	415.800	6.162
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.744%	0.402	0.401	58.930	96.455%				

S 607194-007-007-1/1 09/08/2006 05:40:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.576%	1.239	T 12440.000	T 3464.000	T 3406.000	TM 40080.000	T 14180.000	11650.000	104.540%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1232.000	36.100	20.660	-38590.000	T 339.200	TM 15960.000	4.956	10.780	16.430
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		76.260	4.036	0.106	0.958	181.900	0.000	33.580	0.785	0.077
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.470	0.078	0.521	96.084%	4.152	0.618	0.634	407.500	7.430
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		100.683%	0.319	0.332	483.300	98.981%				

S 607194-008-008-1/1 09/08/2006 05:46:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.577%	1.121	T 10760.000	T 3673.000	T 3659.000	TM 40930.000	T 12700.000	6773.000	105.766%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1722.000	55.310	28.630	-42380.000	T 523.500	TM 28680.000	5.954	15.840	15.730
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.000	4.862	0.118	0.807	119.800	0.000	37.170	0.874	0.112
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.601	0.089	4.958	96.853%	5.643	0.483	0.496	360.300	4.789
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		101.189%	0.341	0.350	62.290	99.598%				

S 607194-009-009-1/1 09/08/2006 05:52:40 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.441%	1.127	T 16160.000	T 778.800	766.400	TM 40410.000	T 15140.000	7181.000	104.481%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1009.000	39.720	6.281	-36340.000	125.600	T 7394.000	1.166	3.928	8.925

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.340	2.792	0.045	0.231	M 201.300	0.000	19.350	0.686	0.189

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.186	0.198	0.177	97.459%	6.169	0.948	0.940	600.800	2.752

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.542%	0.266	0.284	76.600	101.251%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.663%	1.313	T 15470.000	T 3089.000	3010.000	TM 44450.000	T 17080.000	5820.000	105.164%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1177.000	30.690	17.450	-41680.000	T 286.900	TM 13950.000	4.074	8.026	6.953

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		37.270	1.989	0.064	0.289	148.000	0.000	33.010	0.378	0.069

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.526	0.060	0.370	96.124%	3.517	0.156	0.142	494.600	4.688

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.135%	0.366	0.346	11.410	96.961%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.868%	0.230	T 1693.000	T 518.700	532.100	T 6914.000	T 1858.000	2867.000	100.159%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		514.600	30.650	5.038	-26290.000	123.000	T 4629.000	0.862	7.254	35.370

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		22.960	0.721	0.124	0.371	32.320	0.000	12.340	0.624	0.139

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.106	0.124	0.167	99.468%	4.838	0.717	0.675	64.080	0.843

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.118%	0.064	0.065	42.760	105.031%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.148%	1.447	T 13510.000	T 4233.000	T 4225.000	TM 41760.000	T 14620.000	6727.000	108.077%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1479.000	43.350	27.450	-43240.000	T 449.800	TM 20540.000	6.126	12.680	73.110

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		79.940	2.485	0.126	0.277	135.100	0.000	42.930	0.597	0.154

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.540	0.133	1.570	98.332%	6.471	0.641	0.655	381.900	5.672

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.097%	0.320	0.338	46.270	101.231%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.274%	0.434	T483.500	246.400	262.800	T7580.000	T594.900	1121.000	102.512%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		157.200	11.530	3.286	-21960.000	29.320	T1089.000	2.225	4.112	8.985
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.290	0.265	0.092	0.831	13.470	0.000	3.369	0.499	0.076
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.084	0.070	0.189	100.393%	4.373	0.275	0.274	37.230	2.850
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.206%	0.007	0.009	27.490	102.874%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.385%	0.503	T4292.000	T374.700	391.900	TM 11690.000	T3528.000	3591.000	102.689%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		281.700	12.020	2.996	-24600.000	112.800	T1795.000	1.037	2.778	6.657
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.840	3.337	0.029	0.085	75.890	0.000	5.888	1.916	0.036
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.102	0.032	0.309	99.694%	3.686	0.287	0.265	207.400	1.508
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.211%	0.052	0.051	18.860	103.220%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.654%	4.878	τ9688.000	τ9718.000	τ9690.000	τ4772.000	τ9686.000	9759.000	95.699%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.980	53.190	51.110	-10960.000	49.760	τ4958.000	49.730	49.210	50.020

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.790	49.790	0.177	49.850	51.070	0.000	49.100	51.070	49.270

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.455	49.490	49.320	96.750%	51.710	50.110	50.390	50.090	0.077

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.455%	49.840	50.190	49.980	99.933%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.540%	-0.003	-0.566	0.138	0.131	0.772	-1.048	-4.604	100.221%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.137	-0.489	-0.118	13840.000	0.013	4.129	0.001	-0.009	-0.025

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.237	0.016	0.122	-0.174	-0.000	0.000	0.165	0.053	0.002

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.048	0.001	-0.018	100.274%	0.016	0.015	0.005	0.073	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.116%	0.122	0.123	0.004	102.999%

S 607199-001-005-1/1 09/08/2006 06:42:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.803%	0.066	T 468.500	323.400	347.400	T 1778.000	T 894.800	689.100	100.649%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.900	6.041	0.908	-10710.000	40.700	T 846.800	0.321	4.195	6.394

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15.380	0.341	0.064	0.061	10.590	0.000	3.641	0.303	0.117

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	0.123	0.077	99.093%	3.709	0.331	0.318	27.610	0.238

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.480%	0.052	0.036	21.360	99.756%

S 607199-003-006-1/1 09/08/2006 06:48:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.521%	0.613	T 5055.000	T 7225.000	T 7163.000	TM 18620.000	T 6495.000	8441.000	102.846%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1183.000	57.020	69.240	-31050.000	T 635.300	TM 45120.000	9.972	36.280	56.020

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		389.700	5.179	0.119	0.558	79.030	0.000	26.390	2.575	0.169

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.429	0.180	6.391	97.402%	19.870	4.614	4.608	365.700	3.081

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.162%	0.169	0.155	TM 2091.000	101.034%

S 607199-006-001-1/1 09/08/2006 06:54:29 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.434%	1.364	T 12670.000	T 6189.000	T 6157.000	TM 47840.000	T 13630.000	7057.000	107.236%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1812.000	59.530	28.830	-44900.000	T 551.400	TM 25150.000	9.126	16.520	31.770

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		116.900	4.271	0.061	0.541	140.200	0.000	37.650	0.532	0.084

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.492	0.077	0.613	97.295%	17.940	2.058	1.997	393.200	6.531

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.169%	0.339	0.328	46.860	100.192%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.176%	1.051	T 10020.000	T 2437.000	2381.000	TM 35960.000	T 12820.000	4328.000	105.187%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1543.000	38.740	18.770	-43730.000	T 237.700	TM 14690.000	3.472	7.250	7.189

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.390	4.557	0.066	0.279	97.300	0.000	35.190	0.722	0.066

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.355	0.069	0.409	98.662%	4.245	0.294	0.294	354.000	4.133

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.449%	0.296	0.293	332.300	102.646%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.779%	1.299	T 15450.000	T 3124.000	T 3070.000	TM 43790.000	T 16970.000	6202.000	106.074%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1349.000	31.120	15.900	-42990.000	T 271.100	TM 13520.000	4.035	7.170	7.716

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		40.960	1.736	0.073	0.256	142.300	0.000	32.260	0.265	0.064

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.351	0.071	0.288	95.420%	3.473	0.182	0.183	525.200	5.024

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.110%	0.337	0.325	11.870	94.710%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.997%	0.473	T 501.200	239.700	256.900	T 7958.000	T 603.600	1136.000	100.045%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		164.200	11.150	2.668	-21940.000	27.350	T 1039.000	2.135	4.123	10.200

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.600	0.170	0.094	0.594	13.740	0.000	3.640	0.538	0.080

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.034	0.070	0.194	100.313%	4.045	0.314	0.318	38.010	3.112

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		104.831%	-0.002	0.008	28.720	106.125%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.585%	-0.004	3.646	4.285	4.794	4.647	-0.710	41.820	97.652%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.483	0.371	0.679	-12270.000	0.029	5.018	0.003	0.103	0.019

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.552	-0.067	0.034	-0.418	0.166	0.000	0.240	0.010	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.108	0.000	-0.037	99.583%	2.282	0.020	0.006	0.342	0.003

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.473%	-0.031	-0.037	0.019	103.315%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.539%	5.126	τ979.900	τ960.600	996.000	τ955.000	τ957.900	1126.000	97.234%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		207.700	54.760	53.610	-15090.000	104.400	τ992.700	52.720	53.160	52.970

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.100	10.370	0.084	9.641	107.800	0.000	45.050	52.440	10.470

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.538	10.390	10.470	97.921%	56.050	10.330	10.470	106.700	0.177

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.609%	10.820	10.660	105.000	100.483%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.016%	0.483	T4733.000	T4715.000	T4676.000	TM 14850.000	T3736.000	7484.000	103.248%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		768.300	42.270	32.470	-29370.000	T368.300	TM 22970.000	6.440	20.570	34.020

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		224.400	2.945	0.096	0.569	60.180	0.000	16.410	1.124	0.109

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.302	0.105	3.265	98.474%	12.570	2.429	2.419	228.000	2.237

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.060%	0.114	0.113	T937.500	101.123%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.925%	1.324	T8244.000	T4594.000	T4574.000	TM 32910.000	T9471.000	7577.000	105.693%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1339.000	67.770	33.080	-36900.000	T805.900	TM 77950.000	12.640	25.170	149.800

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		257.600	15.330	0.140	0.257	100.300	0.000	27.790	1.770	0.153

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.374	0.140	2.777	97.557%	9.372	2.260	2.334	296.000	5.243

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.865%	0.250	0.253	249.700	99.597%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.706%	5.184	τ10020.000	τ10100.000	τ10110.000	τ4955.000	τ9918.000	9886.000	94.947%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.540	52.380	51.730	3520.000	50.400	τ5027.000	51.130	51.060	50.960

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.230	50.140	0.148	51.120	51.040	0.000	49.420	51.470	49.450

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.629	49.580	49.720	92.723%	51.470	50.340	49.630	50.780	0.060

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.609%	51.990	51.570	50.610	91.439%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.740%	-0.002	0.019	0.389	0.442	1.838	0.043	-3.672	97.931%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.141	-0.511	-0.729	25830.000	0.024	5.908	0.001	-0.005	-0.034

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.026	0.244	0.088	-0.006	0.009	0.000	0.180	0.043	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.108	0.001	-0.036	98.479%	0.026	0.022	0.000	0.032	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.019%	0.130	0.113	0.015	99.990%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.355%	0.853	T 6565.000	T 10820.000	T 10780.000	TM 26560.000	T 7441.000	8469.000	105.802%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1252.000	60.970	86.920	-32070.000	T 904.200	TM 24930.000	10.820	51.870	18.300
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		163.600	4.523	0.083	0.650	95.810	0.000	25.540	1.257	0.167
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.236	0.159	0.818	98.041%	7.046	1.521	1.470	264.900	3.589
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.424%	0.254	0.257	T 633.000	101.182%				

SP607192-003-016-1/3 09/08/2006 08:02:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.969%	5.192	T 7031.000	T 10420.000	T 10430.000	TM 24030.000	T 7290.000	7258.000	106.286%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1076.000	92.910	119.100	-33710.000	T 877.300	TM 21390.000	50.370	86.300	57.310
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		241.200	11.870	0.099	8.530	161.900	0.000	57.900	43.990	8.591
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.880	8.531	9.039	96.611%	59.860	9.669	10.040	307.900	3.145
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		98.950%	9.390	9.104	T 648.600	95.453%				

SD607192-003-016-1/3 09/08/2006 08:08:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.966%	4.734	T 6721.000	T 11260.000	T 11240.000	TM 27280.000	T 7301.000	6651.000	106.342%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1145.000	101.500	109.300	-37510.000	T 844.800	TM 24740.000	49.750	82.050	53.700
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		232.700	11.440	0.108	8.405	153.800	0.000	59.870	42.490	8.310
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.893	8.242	9.301	99.200%	47.770	9.147	9.573	301.400	3.530
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.206%	8.742	8.766	T 630.700	101.781%				

PS607192-003-016-1/3 09/08/2006 08:14:38 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.045%	10.820	T 11520.000	T 15540.000	T 15550.000	TM 27390.000	T 12030.000	12880.000	109.330%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1243.000	78.520	104.900	-37170.000	T 964.300	TM 26610.000	39.320	88.570	46.790
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		231.500	80.690	0.084	67.270	115.200	0.000	M 586.000	32.720	40.520
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.439	40.730	24.840	98.007%	115.200	83.980	86.930	282.700	3.551
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.342%	104.900	105.400	T 711.200	99.983%				

SE607192-003-016-1/3 09/08/2006 08:20:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.457%	0.183	T 1352.000	T 2245.000	2253.000	T 5559.000	T 1558.000	1854.000	101.690%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		267.000	13.960	19.660	-25010.000	192.700	T 5265.000	2.347	11.200	3.946

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		37.880	0.669	0.062	-0.188	19.860	0.000	4.949	0.362	0.034

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.054	0.037	0.113	98.413%	1.453	0.355	0.322	54.360	0.800

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.059%	0.232	0.219	129.100	100.297%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.366%	1.563	T 11230.000	T 8064.000	T 8021.000	TM 46950.000	T 11840.000	7290.000	110.314%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1773.000	67.480	35.090	-46020.000	T 655.100	TM 31690.000	13.500	26.280	47.580

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		135.600	5.962	0.025	0.585	116.700	0.000	41.100	1.000	0.112

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.557	0.091	0.886	98.417%	5.580	0.677	0.668	355.800	6.233

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.639%	0.373	0.384	307.300	99.694%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.387%	0.349	T 2370.000	T 1379.000	1385.000	T 9191.000	T 2577.000	3169.000	102.069%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		523.700	20.390	6.756	-26240.000	T 455.500	T 6075.000	3.347	6.418	8.980

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.060	1.733	0.090	-0.141	37.200	0.000	11.230	0.389	0.045

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	0.049	0.187	97.860%	3.334	0.151	0.156	72.750	1.859

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.619%	0.120	0.117	51.660	97.950%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.938%	1.288	T 10560.000	T 5363.000	T 5303.000	TM 42360.000	T 12200.000	5715.000	107.243%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1529.000	52.960	26.160	-43940.000	T 483.700	TM 24460.000	8.491	16.420	32.280

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		114.600	3.980	0.084	0.461	107.900	0.000	37.330	0.546	0.076

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.511	0.077	0.640	97.945%	17.690	2.192	2.207	343.500	5.768

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.714%	0.318	0.329	46.590	100.639%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.383%	1.355	T 12860.000	T 7349.000	T 7304.000	TM 50030.000	T 14000.000	6120.000	110.002%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1685.000	60.140	29.670	-46070.000	T 480.600	TM 28140.000	10.160	18.650	17.450
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		54.280	4.187	0.121	-0.071	121.000	0.000	42.630	0.361	0.082
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.677	0.070	0.466	98.046%	3.805	0.263	0.281	405.800	6.746
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		102.727%	0.334	0.339	17.320	99.857%				

S 607192-012-019-1/3 09/08/2006 08:51:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.998%	1.362	T 11290.000	T 6839.000	T 6863.000	TM 47960.000	T 12990.000	6225.000	108.808%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1849.000	63.130	30.590	-43550.000	T 579.900	TM 28720.000	10.320	17.920	52.950
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		154.800	4.852	0.093	0.072	118.200	0.000	38.470	0.539	0.088
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.508	0.069	0.522	95.574%	57.230	2.762	2.723	374.600	6.276
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		99.106%	0.350	0.334	85.610	95.404%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.863%	5.070	τ9699.000	τ9684.000	τ9755.000	τ4771.000	τ9653.000	9848.000	94.913%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.730	51.850	51.450	-8220.000	49.970	τ4977.000	50.050	50.480	50.460

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.560	49.950	0.221	50.570	51.540	0.000	50.110	51.430	49.700

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.725	49.730	49.870	95.027%	51.890	50.700	50.250	50.700	0.088

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.297%	50.400	50.860	50.730	97.731%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.620%	-0.004	-0.692	0.200	0.239	1.232	-0.818	-5.211	99.673%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.096	0.156	0.038	16750.000	0.036	4.267	0.001	-0.025	-0.041

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.899	0.043	0.121	-0.444	-0.001	0.000	0.145	0.025	0.004

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.045	0.001	-0.018	97.371%	0.021	0.003	0.006	0.025	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.475%	0.180	0.166	0.012	96.834%

SP607192-012-019-1/3 09/08/2006 09:10:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.577%	6.574	T 11640.000	T 7599.000	T 7505.000	TM 45500.000	T 12930.000	7608.000	107.659%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1955.000	109.400	79.480	-42100.000	T 648.800	TM 27010.000	59.310	68.930	101.800

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		245.100	14.130	0.119	10.200	M 217.500	0.000	87.970	54.530	10.670

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.217	10.530	11.280	96.897%	110.900	13.680	13.810	472.300	6.222

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.062%	11.410	11.640	194.800	98.890%

SD607192-012-019-1/3 09/08/2006 09:16:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.069%	6.353	T 12520.000	T 7449.000	T 7426.000	TM 47770.000	T 13240.000	6846.000	108.439%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1946.000	109.200	78.140	-44870.000	T 651.500	TM 28860.000	57.840	66.590	100.400

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		247.700	14.140	0.114	10.220	M 224.300	0.000	89.920	52.410	10.240

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.269	10.220	10.940	97.688%	112.800	13.240	13.610	474.700	6.409

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.844%	11.060	11.340	193.100	99.191%

PS607192-012-019-1/3 09/08/2006 09:22:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.388%	11.350	T 15680.000	T 11380.000	T 11360.000	TM 46070.000	T 16950.000	10270.000	108.551%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1750.000	78.650	47.520	-42960.000	T 618.600	TM 28560.000	38.230	54.790	77.570

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		216.900	78.330	0.177	65.100	130.400	0.000	TM 598.000	31.370	40.470

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.767	40.030	24.540	96.032%	161.800	85.260	87.500	371.900	6.036

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.845%	107.500	107.300	162.700	95.825%

SE607192-012-019-1/3 09/08/2006 09:28:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.745%	0.270	T 2214.000	T 1367.000	1379.000	T 9519.000	T 2639.000	1337.000	100.681%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		396.100	14.050	7.370	-31930.000	122.400	T 5887.000	2.130	3.796	11.120

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		36.160	0.870	0.069	-0.459	23.950	0.000	7.657	0.119	0.018

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	0.018	0.060	99.063%	11.460	0.550	0.552	74.900	1.189

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.924%	0.223	0.240	16.450	103.653%

S 607192-013-001-1/1 09/08/2006 09:34:56 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.495%	1.688	T 12620.000	T 8256.000	T 8233.000	TM 57420.000	T 14970.000	6586.000	110.182%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1933.000	75.520	36.460	-45000.000	T 736.100	TM 36170.000	12.600	23.240	32.620

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		123.500	6.442	0.117	0.701	130.000	0.000	48.900	0.862	0.108

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.719	0.082	0.771	95.543%	15.030	1.455	1.398	416.100	7.277

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.437%	0.524	0.509	70.570	93.468%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.052%	1.253	T 10550.000	T 5468.000	T 5443.000	TM 44340.000	T 14190.000	4755.000	107.886%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1430.000	51.040	27.660	-44600.000	T 363.900	TM 21890.000	7.822	15.570	12.470

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		44.580	3.657	0.047	0.268	104.000	0.000	34.370	0.252	0.061

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.372	0.045	0.290	98.971%	3.521	0.175	0.161	375.000	4.957

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		103.208%	0.382	0.386	12.890	101.049%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.790%	1.378	T 9734.000	T 6408.000	T 6364.000	TM 45090.000	T 10990.000	5511.000	107.571%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1758.000	57.030	37.760	-44020.000	T 622.000	TM 42400.000	10.270	25.440	61.440
Run	Time	66Zn75	As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		180.700	6.699	0.134	0.321	107.200	0.000	39.360	2.031	0.094
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.565	0.078	0.644	95.667%	49.200	8.320	8.324	331.600	5.611
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		97.995%	0.343	0.322	100.800	93.735%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.667%	1.130	T 11270.000	T 4723.000	T 4672.000	TM 37890.000	T 11440.000	7164.000	107.825%
Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1622.000	45.870	23.430	-42260.000	T 474.900	TM 18780.000	7.293	13.600	16.180
Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		138.700	3.413	0.074	0.239	127.800	0.000	34.380	0.530	0.084
Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.464	0.084	0.740	97.885%	4.212	0.652	0.638	492.000	5.930
Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi				
		ppb	ppb	ppb	ppb	ppb				
x		103.047%	0.254	0.269	44.580	99.858%				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.651%	1.359	T 14910.000	T 6162.000	T 6078.000	TM 47040.000	T 12920.000	7986.000	109.506%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2039.000	57.140	29.530	-45090.000	T 591.300	TM 21960.000	9.654	16.610	21.120

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		126.300	3.781	0.060	0.842	158.300	0.000	37.460	1.023	0.100

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.446	0.090	1.353	96.719%	4.740	13.110	13.030	470.500	6.627

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.940%	0.309	0.303	115.400	96.655%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.019%	0.303	T 1001.000	T 728.200	739.700	T 5678.000	T 1200.000	2462.000	102.177%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		313.700	22.320	6.903	-26780.000	T 676.900	T 6326.000	5.648	3.978	4.989

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		25.210	3.153	0.091	0.046	28.810	0.000	7.024	0.908	0.067

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.035	0.058	0.204	98.929%	3.658	0.276	0.303	64.770	1.329

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.653%	0.087	0.088	34.310	102.401%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.127%	5.147	τ9674.000	τ9737.000	τ9783.000	τ4816.000	τ9802.000	9858.000	94.316%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.480	51.820	51.160	-6185.000	50.080	τ4953.000	50.150	50.420	50.630

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.370	50.440	0.105	51.110	51.500	0.000	49.760	51.250	49.220

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.697	49.420	49.490	94.332%	51.700	50.480	50.530	50.560	0.083

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.222%	50.200	50.950	50.580	96.192%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.600%	-0.004	-0.653	0.194	0.236	1.252	-1.442	-5.664	99.408%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.053	-0.816	-0.321	17490.000	0.028	4.124	0.000	-0.018	-0.038

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.781	-0.036	0.132	-0.449	-0.007	0.000	0.166	0.036	0.000

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.026	-0.001	-0.014	98.372%	0.019	0.002	-0.005	0.061	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.832%	0.109	0.115	0.007	99.590%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.466%	0.891	T 7717.000	T 4221.000	T 4198.000	TM 27490.000	T 8678.000	7770.000	107.416%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1319.000	57.140	31.400	-41600.000	TM 1872.000	TM 16090.000	11.730	14.460	21.590

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		420.700	22.270	0.047	0.747	105.400	0.000	23.490	0.734	0.161

Run	Time	108Mo O	109Ag11	0Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.256	0.132	1.623	98.610%	5.782	18.570	18.420	310.400	3.902

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		102.149%	0.279	0.273	T 601.300	101.146%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.512%	-0.004	4.419	4.598	5.022	3.344	-0.884	15.730	100.733%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.101	1.013	1.518	-10950.000	0.070	6.152	0.005	0.093	0.037

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.698	0.170	0.104	-0.315	0.129	0.000	0.001	0.008	0.002

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.042	0.000	-0.019	99.249%	2.409	-0.000	-0.013	0.291	0.004

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.952%	-0.002	-0.009	0.024	100.115%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.721%	4.800	T904.400	T901.700	932.900	T893.800	T906.300	1029.000	100.038%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		197.800	50.350	49.610	-9510.000	96.200	T947.400	48.450	48.740	49.240

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.210	9.358	0.189	8.675	99.760	0.000	39.960	49.050	9.708

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.664	9.593	9.687	99.336%	52.930	9.625	9.771	99.030	0.147

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.513%	9.633	9.738	97.350	101.936%

S 608156-001-001-1/2 09/08/2006 10:43:06 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.045%	1.179	55.170	T4575.000	T4592.000	TM27750.000	T2912.000	2944.000	109.591%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		657.900	97.890	35.680	-32570.000	T982.900	TM38870.000	29.350	16.780	35.190

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		63.530	9.062	0.363	0.911	50.470	0.000	16.810	0.736	0.044

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.430	0.029	0.262	99.075%	2.709	0.165	0.153	178.200	9.153

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		100.435%	0.223	0.222	16.540	96.426%

S 608156-002-003-1/2 09/08/2006 10:49:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		113.217%	0.653	30.120	T 1191.000	1176.000	TM 20800.000	T 1297.000	828.200	108.601%

Run	Time	47Ti	51V	52Cr	53Cl O55	Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		493.000	63.510	32.360	-40010.000	T 822.600	TM 36210.000	12.050	10.070	16.330

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		39.190	5.354	0.263	0.292	8.217	0.000	6.239	0.461	0.029

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.286	0.021	0.183	100.155%	2.470	0.111	0.103	131.600	5.016

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		101.342%	0.232	0.209	10.790	98.987%

S 608156-003-005-1/2 09/08/2006 10:55:30 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.033%	1.333	81.370	T 2155.000	2131.000	TM 23560.000	T 1106.000	3252.000	107.984%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		253.600	69.170	29.300	-30990.000	T 875.900	TM 34140.000	15.220	13.000	14.830

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		42.140	5.602	0.356	1.305	48.010	0.000	3.551	0.445	0.069

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.398	0.065	0.201	98.295%	2.884	0.085	0.076	175.100	11.120

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.846%	0.187	0.190	14.660	95.103%

S 608156-004-007-1/2 09/08/2006 11:01:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.448%	0.988	T 155.500	T 5786.000	T 5805.000	TM 25610.000	T 2839.000	4083.000	106.516%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1852.000	99.820	32.760	-31720.000	T 881.100	TM 38210.000	17.780	22.330	47.140

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.960	6.811	0.306	1.115	48.770	0.000	10.600	0.722	0.062

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.486	0.054	0.361	97.546%	2.467	0.226	0.202	212.600	9.737

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		99.400%	0.227	0.233	15.470	96.915%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.463%	1.294	77.050	T 5870.000	T 5876.000	TM 30800.000	T 3259.000	3250.000	106.830%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2145.000	109.800	37.230	-30220.000	TM 1095.000	TM 40030.000	20.480	22.740	23.790

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.070	7.237	0.300	0.998	29.940	0.000	8.958	0.609	0.057

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.431	0.049	0.394	95.096%	2.420	0.204	0.189	215.400	10.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.160%	0.267	0.272	19.070	90.490%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.355%	1.170	61.510	T 3528.000	T 3527.000	TM 26330.000	T 1933.000	2505.000	108.396%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		380.900	116.100	38.570	-37870.000	T 883.100	TM 45240.000	27.470	16.520	44.800

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		72.600	14.610	0.343	0.807	34.070	0.000	10.860	0.666	0.038

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.311	0.031	0.296	97.430%	3.021	0.200	0.173	171.600	8.468

Run	Time	159Tb	203Tl20	5Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.879%	0.148	0.149	27.930	95.319%

S 608156-007-013-1/2 09/08/2006 11:20:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		107.698%	1.041	66.060	T 5159.000	T 5199.000	TM 29490.000	T 3085.000	2495.000	107.527%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1187.000	105.400	37.500	-31870.000	T 979.000	TM 38700.000	21.030	16.840	24.090

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		62.560	7.078	0.310	0.318	29.920	0.000	20.610	0.332	0.046

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.527	0.021	0.320	95.888%	2.638	0.157	0.134	185.100	6.328

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.906%	0.145	0.136	13.680	90.644%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.791%	5.047	τ9621.000	τ9778.000	τ9795.000	τ4860.000	τ9852.000	9791.000	92.413%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.990	52.960	52.600	-25740.000	50.300	τ5001.000	50.620	51.380	51.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.830	50.340	0.061	51.190	51.320	0.000	52.450	51.850	49.630

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.550	49.690	49.760	90.802%	51.810	50.350	50.610	50.890	0.072

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		92.225%	50.070	50.570	50.510	91.171%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.838%	-0.004	-1.615	0.200	0.252	1.355	0.481	-5.942	99.885%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.110	0.106	0.837	-1111.000	0.028	4.587	0.001	-0.015	-0.036

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.711	-0.155	0.050	-0.499	-0.002	0.000	0.143	0.055	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.037	0.000	0.003	95.673%	-0.018	0.004	-0.011	0.071	0.000

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.694%	0.149	0.155	0.005	94.728%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		111.921%	0.508	95.860	T 2309.000	2307.000	TM 14760.000	T 1178.000	1511.000	106.803%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		454.700	68.950	23.930	-29400.000	TM 1126.000	TM 25450.000	20.690	7.476	16.940

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		33.410	4.457	0.238	0.216	23.590	0.000	18.770	0.268	0.035

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.358	0.012	0.213	96.898%	2.695	0.048	0.055	91.180	3.297

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.862%	0.089	0.085	6.020	93.063%

S 608156-009-017-1/2 09/08/2006 11:44:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.392%	0.695	134.100	T 3215.000	T 3194.000	TM 19920.000	T 1459.000	2388.000	107.602%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		633.000	88.790	30.030	-33250.000	TM 1354.000	TM 30980.000	21.920	10.310	22.850

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.780	4.759	0.288	0.391	37.360	0.000	20.330	0.298	0.043

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.382	0.015	0.226	97.891%	2.581	0.058	0.065	128.600	5.112

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		98.009%	0.059	0.065	7.338	95.760%

S 608158-001-001-1/2 09/08/2006 11:51:00 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.915%	1.262	79.990	T 5432.000	T 5457.000	TM 28140.000	T 2909.000	7440.000	106.546%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2359.000	127.700	40.180	-27580.000	TM 1229.000	TM 40230.000	22.920	22.590	23.960

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.660	9.230	0.332	0.855	40.410	0.000	17.830	0.614	0.068

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.555	0.058	0.568	94.848%	2.357	0.222	0.246	218.300	11.330

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.112%	0.287	0.293	19.570	90.901%

S 608158-002-003-1/2 09/08/2006 11:57:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		109.825%	0.984	99.580	T 3430.000	T 3463.000	TM 21680.000	T 1221.000	3734.000	107.152%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		658.100	71.440	30.380	-31370.000	TM 1666.000	TM 31750.000	20.840	17.350	21.450

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.750	8.011	0.288	0.789	44.290	0.000	9.233	0.343	0.063

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.423	0.056	0.330	98.072%	2.557	0.145	0.121	214.300	8.230

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.774%	0.130	0.135	13.250	96.139%

S 608158-003-005-1/2 09/09/2006 12:03:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.782%	1.147	77.290	T 5549.000	T 5598.000	TM 28020.000	T 2861.000	2574.000	106.785%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2107.000	108.800	39.050	-31980.000	TM 1086.000	TM 37200.000	21.070	21.850	26.560

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.340	5.487	0.319	1.046	27.640	0.000	11.390	0.549	0.049

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.372	0.043	0.311	94.382%	2.549	0.179	0.191	209.600	10.160

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.501%	0.234	0.228	25.370	89.747%

S 608158-004-007-1/2 09/09/2006 12:09:34 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		105.576%	1.121	97.420	T 5561.000	T 5594.000	TM 27750.000	T 2922.000	3193.000	106.172%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2081.000	106.500	35.130	-32990.000	TM 992.800	TM 37460.000	18.940	23.150	23.550

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.030	6.587	0.349	1.303	36.820	0.000	10.740	0.577	0.063

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.444	0.060	0.354	96.541%	2.437	0.368	0.391	190.500	10.370

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.546%	0.217	0.209	73.590	94.298%

S 608158-005-011-1/6 09/09/2006 12:15:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.409%	1.342	99.910	T 5141.000	T 5196.000	TM 28830.000	T 2334.000	3857.000	107.860%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1897.000	99.950	38.200	-30190.000	TM 1117.000	TM 36570.000	20.710	22.500	25.290

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		81.330	6.871	0.261	1.691	33.440	0.000	12.950	0.476	0.090

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.585	0.088	0.411	95.014%	2.470	0.345	0.355	233.700	12.550

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.680%	0.247	0.226	51.390	90.157%

SP608158-005-011-1/6 09/09/2006 12:21:56 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.669%	6.452	T 1063.000	T 6502.000	T 6531.000	TM 37870.000	T 3725.000	5093.000	105.661%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2323.000	157.100	89.360	-28440.000	TM 1192.000	TM 40360.000	67.720	73.270	74.190

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		174.900	15.800	0.365	10.040	135.700	0.000	46.990	47.460	9.692

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.240	9.741	9.964	94.428%	49.810	2.418	2.695	347.900	13.540

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.438%	10.110	10.130	155.700	91.614%

SD608158-005-011-1/6 09/09/2006 12:28:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.322%	6.843	T 1137.000	T 7077.000	T 7238.000	TM 42340.000	T 4143.000	5576.000	106.027%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 2588.000	170.100	97.010	-28430.000	TM 1256.000	TM 44190.000	72.750	80.300	81.550

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		191.900	17.160	0.349	11.740	145.900	0.000	52.260	51.200	10.470

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.368	10.470	11.000	94.019%	53.270	2.566	2.791	375.600	14.740

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.618%	10.830	10.900	154.400	90.153%

PS608158-005-011-1/6 09/09/2006 12:34:18 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.482%	11.490	T 5067.000	T 9975.000	T 10040.000	TM 28760.000	T 7159.000	8487.000	104.192%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1881.000	118.900	56.880	-26660.000	TM 1172.000	TM 37910.000	50.410	62.320	54.360

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		155.800	84.030	0.298	68.290	54.040	0.000	M 583.400	32.110	41.380

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-7.989	40.940	24.540	93.280%	110.200	82.700	85.560	249.900	12.660

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.238%	104.500	105.200	132.900	91.083%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.398%	5.109	T9648.000	T9760.000	T9832.000	T4862.000	T9840.000	9718.000	93.483%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.590	53.350	52.340	-32730.000	49.820	T4955.000	50.860	50.880	51.220

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.090	49.750	0.052	50.570	51.330	0.000	53.470	50.940	49.560

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.894	49.560	49.950	89.815%	51.550	50.150	50.190	50.910	0.085

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		90.695%	50.570	50.950	50.320	88.484%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.034%	-0.002	-1.781	0.274	0.322	1.572	1.136	-5.833	99.014%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.113	0.194	0.667	-751.100	0.061	4.969	-0.001	-0.017	-0.042

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.691	-0.176	0.035	-0.226	-0.005	0.000	0.134	0.046	0.001

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.068	-0.001	-0.024	95.419%	-0.025	-0.006	-0.004	-0.026	0.001

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		93.891%	0.196	0.200	0.005	93.099%

SE608158-005-011-1/6 09/09/2006 12:52:47 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		110.685%	0.270	19.600	T 1017.000	1052.000	T 5621.000	T 460.500	802.900	103.430%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		397.100	21.670	9.170	-17520.000	230.700	T 7421.000	4.253	4.657	5.324

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.770	1.599	0.130	0.300	6.807	0.000	3.037	0.123	0.010

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.075	0.018	0.067	98.012%	0.461	0.068	0.072	46.870	2.606

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		97.109%	0.105	0.099	10.150	96.489%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.439%	1.148	69.460	T 4726.000	T 4754.000	TM 24470.000	T 2201.000	1753.000	104.273%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		M 1645.000	90.530	31.850	-29330.000	T 901.800	TM 31680.000	17.360	18.360	17.770

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		70.390	7.008	0.249	1.492	22.790	0.000	9.495	0.455	0.044

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.376	0.049	0.356	95.205%	2.334	0.176	0.161	191.100	9.314

Run	Time	159Tb	203Tl20	5Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.961%	0.283	0.276	16.350	91.478%

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User Pre-dilution: 1.000

RunTime	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	84.065%	-0.000	TM 258300.000	TM 100700.000	TM 100900.000	TM 99560.000	TM 101000.000	TM 301900.000	83.992%

RunTime	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	M 2152.000	0.239	0.389	-66870.000	0.204	TM 239000.000	0.225	0.756	1.277

RunTime	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	2.752	0.315	0.570	-0.294	4.324	0.000	0.734	TM 2113.000	0.102

RunTime	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	2.121	0.093	-0.144	80.839%	0.115	0.174	0.184	0.590	0.034

RunTime	159Tb	203Tl	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb
x	83.171%	0.053	0.063	0.149	74.316%

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User Pre-dilution: 1.000

RunTime	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	83.574%	18.890	TM 263000.000	TM 102000.000	TM 101700.000	TM 100000.000	TM 101600.000	TM 303000.000	82.464%

RunTime	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	M 2172.000	21.660	19.750	-70030.000	19.510	TM 238500.000	19.030	19.140	18.550

RunTime	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	19.080	18.960	0.359	17.590	24.910	0.000	17.650	M 2038.000	17.550

RunTime	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	1.518	17.590	17.470	80.049%	20.330	19.090	18.740	21.280	0.071

RunTime	159Tb	203Tl	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb
x	83.412%	21.430	21.550	21.630	74.145%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.907%	4.908	τ9588.000	τ9480.000	τ9508.000	τ4667.000	τ9492.000	9788.000	92.067%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.220	53.470	51.930	-51830.000	49.430	τ4828.000	49.760	49.550	50.000

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		49.730	49.580	-0.128	48.900	51.050	0.000	52.190	52.500	49.240

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-1.767	49.240	49.560	92.074%	51.620	50.900	50.310	50.670	0.062

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		95.997%	49.340	50.140	50.200	95.601%

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.444%	-0.005	7.030	0.732	0.748	1.908	0.553	-4.606	97.830%

Run	Time	47Ti	51V	52Cr	53Cl O	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.134	1.149	1.986	-39410.000	0.023	5.850	-0.000	-0.012	-0.047

Run	Time	66Zn	75As	77Ar Cl	82Se	88Sr	89Y	90Zr	95Mo	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.490	0.198	-0.134	-0.578	-0.005	0.000	0.125	0.456	0.000

Run	Time	108Mo O	109Ag	110Cd	115In	118Sn	121Sb	123Sb	137Ba	153Ba O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.033	0.003	0.004	94.714%	-0.020	-0.006	-0.009	0.069	0.006

Run	Time	159Tb	203Tl	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb
x		94.161%	0.203	0.187	0.005	93.413%

Instrument ID:	HYDRA AA	Method:	7471	Start Seq #:	248	Traceability-Solutions	
Corr. Coef.	0.999941	Data File:	H060911	End Seq #:	329	Rinse 10% HCL Bath:	129-118-03
Test Optics Sample:	880048	Rack 1:	060911	Folder:	06SEP	Stannous CL 10%:	129-114-08
Hg Lamp:	8.931 V	Rack 2:		Batch Name:			

GPL - Maryland Laboratory CVAA Analysis Log

Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time	Seq	Sample Name	Dil	Date	Time
1	Std01Rep1	1	1/11/2006	13:10	31	S 608163-005-009-1/2	1	1/11/2006	14:38	61	S 608158-001-001-1/2	1	1/11/2006	15:51
2	Std01Rep2	1	1/11/2006	13:12	32	S 608163-007-013-1/2	1	1/11/2006	14:41	62	S 608158-002-003-1/2	1	1/11/2006	15:54
3	Std01Rep3	1	1/11/2006	13:14	33	S 608163-008-015-1/2	1	1/11/2006	14:43	63	S 608158-005-009-1/2	1	1/11/2006	15:57
4	Std02Rep1	1	1/11/2006	13:16	34	S 608163-009-019-1/2	1	1/11/2006	14:45	64	S 608149-001-030-1/2	1	1/11/2006	15:59
5	Std02Rep2	1	1/11/2006	13:18	35	Ck5 CCV2	1	1/11/2006	14:48	65	~~S 608149-002-032-1/2~~	~~1~~	~~1/11/2006~~	~~16:01~~
6	Std02Rep3	1	1/11/2006	13:21	36	Ck6 CCB2	1	1/11/2006	14:50	66	S 608149-004-034-1/2	1	1/11/2006	16:04
7	Std03Rep1	1	1/11/2006	13:23	37	S 608163-012-018-1/2	1	1/11/2006	14:53	67	S 608149-006-022-1/2	1	1/11/2006	16:07
8	Std03Rep2	1	1/11/2006	13:25	38	S 608163-013-024-1/1	1	1/11/2006	14:56	68	S 608149-007-024-1/2	1	1/11/2006	16:09
9	Std03Rep3	1	1/11/2006	13:28	39	S 608163-014-025-1/1	1	1/11/2006	14:59	69	S 608149-008-026-1/2	1	1/11/2006	16:12
10	Std04Rep1	1	1/11/2006	13:31	40	S 608163-015-022-1/1	1	1/11/2006	15:02	70	S 608149-009-028-1/2	1	1/11/2006	16:14
11	Std04Rep2	1	1/11/2006	13:33	41	SP608163-015-022-1/	1	1/11/2006	15:04	71	Ck5 CCV5	1	1/11/2006	16:16
12	Std04Rep3	1	1/11/2006	13:35	42	SD608163-015-022-1/	1	1/11/2006	15:07	72	Ck6 CCB5	1	1/11/2006	16:18
13	Std05Rep1	1	1/11/2006	13:37	43	S 608163-016-023-1/1	1	1/11/2006	15:09	73	S 608149-002-032-1/2	10	1/11/2006	16:21
14	Std05Rep2	1	1/11/2006	13:39	44	BLK93633	1	1/11/2006	15:11	74	Ck5 CCV6	1	1/11/2006	16:23
15	Std05Rep3	1	1/11/2006	13:42	45	BKS93633	1	1/11/2006	15:14	75	Ck6 CCB6	1	1/11/2006	16:25
16	Std06Rep1	1	1/11/2006	13:44	46	S 608156-001-002-1/2	1	1/11/2006	15:16	76	S CVAA	1	1/11/2006	16:28
17	Std06Rep2	1	1/11/2006	13:46	47	Ck5 CCV3	1	1/11/2006	15:19	77	S DIG 50L	1	1/11/2006	16:30
18	Std06Rep3	1	1/11/2006	13:49	48	Ck6 CCB3	1	1/11/2006	15:21	78	S DIG 50L DF=100	1	1/11/2006	16:56
19	~~Ck2 ICV~~	~~1~~	~~1/11/2006~~	~~13:53~~	49	S 608156-002-003-1/2	1	1/11/2006	15:23	79	S DIG 50L DF=100	1	1/11/2006	16:59
20	Ck2 ICV	1	1/11/2006	14:13	50	S 608156-003-005-1/2	1	1/11/2006	15:25	80	S DIG 50L DF=1000	1	1/11/2006	17:03
21	CK3 ICB	1	1/11/2006	14:15	51	S 608156-004-007-1/2	1	1/11/2006	15:28	81	S DIG 25L	1	1/11/2006	17:06
22	Ck4 CRA	1	1/11/2006	14:17	52	S 608156-005-009-1/2	1	1/11/2006	15:30	82	S DIG 25L DF=1000	1	1/11/2006	17:12
23	Ck5 CCV1	1	1/11/2006	14:19	53	S 608156-006-011-1/2	1	1/11/2006	15:32					
24	Ck6 CCB1	1	1/11/2006	14:22	54	S 608156-007-013-1/2	1	1/11/2006	15:34					
25	BLK93632	1	1/11/2006	14:24	55	SP608156-007-013-1/	1	1/11/2006	15:37					
26	BKS93632	1	1/11/2006	14:26	56	SD608156-007-013-1/	1	1/11/2006	15:39					
27	S 608163-001-001-1/2	1	1/11/2006	14:28	57	S 608156-008-015-1/2	1	1/11/2006	15:42					
28	S 608163-002-003-1/2	1	1/11/2006	14:32	58	S 608156-009-017-1/2	1	1/11/2006	15:44					
29	S 608163-003-005-1/2	1	1/11/2006	14:34	59	Ck5 CCV4	1	1/11/2006	15:47					
30	S 608163-004-007-1/2	1	1/11/2006	14:36	60	Ck6 CCB4	1	1/11/2006	15:49					

Analyst Signature: KC Date: 14/Sep/06 Analyst Signature:

Workorders	Dilutions/Reanalyses/Comments	Source Solutions	
608163	dilut used Reduction	Stds	Numbers
608156		S0	—
608158		S1	38100
608149	Sample 032 diluted DF= 10	S2	↓
		S3	↓
		S4	↓
		S5	↓
	KC 14/Sep/06	CRA	✓
		ICV	38098
		CCV	38106

Analyst: KC Date: 14/Sep/2006 Reviewed: RA Date: 9-14-06

File Utility Help

Protocol 7471 Dataset/Proto 06SEP /7471

Protocol | Line Info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.33212e-4

C -1.68949e-2

Rho .999941

Type Linear

☑ Calibrated

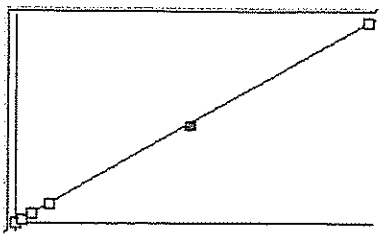
☑ Accepted

Accept

µ Abs.
75440

Accepted

New



Include S5 Rep 1☑ 2☑ 3☑ 4☐ 5☐

11-Sep-06 13:55 Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.055	.055	540	82	502	483	635
02	.20000	.221	.021	1789	1.15%	1812	1784	1772
03	.50000	.484	-.016	3761	1.76%	3698	3752	3830
04	1.0000	.967	-.033	7384	3.52%	7474	7587	7091
05	5.0000	4.94	-.060	37212	0.48%	37301	37327	37008
06	10.000	10.0	.033	75441	0.57%	75101	75294	75927

Ready

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 5 Ck5 CCV Seq: 246 13:06:00 11 Sep 06 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		119.	5.96	5.00	ppb	.000

*** Standard: 1 Rep: 1 Seq: 248 13:10:01 11 Sep 06 HG

Hg .000 ppb 502

*** Standard: 1 Rep: 2 Seq: 249 13:12:10 11 Sep 06 HG

Hg .000 ppb 483

*** Standard: 1 Rep: 3 Seq: 250 13:14:19 11 Sep 06 HG

Hg .000 ppb 635

*** Standard: 2 Rep: 1 Seq: 251 13:16:37 11 Sep 06 HG

Hg .200 ppb 1812

*** Standard: 2 Rep: 2 Seq: 252 13:18:44 11 Sep 06 HG

Hg .200 ppb 1784

*** Standard: 2 Rep: 3 Seq: 253 13:21:12 11 Sep 06 HG

Hg .200 ppb 1772

*** Standard: 3 Rep: 1 Seq: 254 13:23:22 11 Sep 06 HG

Hg .500 ppb 3698

*** Standard: 3 Rep: 2 Seq: 255 13:25:29 11 Sep 06 HG

Hg .500 ppb 3752

*** Standard: 3 Rep: 3 Seq: 256 13:28:47 11 Sep 06 HG

Hg .500 ppb 3830

*** Standard: 4 Rep: 1 Seq: 257 13:31:04 11 Sep 06 HG

Hg 1.00 ppb 7473

*** Standard: 4 Rep: 2 Seq: 258 13:33:31 11 Sep 06 HG

Hg 1.00 ppb 7587

*** Standard: 4 Rep: 3 Seq: 259 13:35:42 11 Sep 06 HG

Hg 1.00 ppb 7091

*** Standard: 5 Rep: 1 Seq: 260 13:37:49 11 Sep 06 HG

Hg 5.00 ppb 37300

*** Standard: 5 Rep: 2 Seq: 261 13:39:56 11 Sep 06 HG

Hg 5.00 ppb 37327

```
Line    Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 5 Rep: 3                Seq:  262     13:42:17 11 Sep 06   HG

Hg     5.00    ppb      37008

*** Standard: 6 Rep: 1                Seq:  263     13:44:27 11 Sep 06   HG

Hg     10.0    ppb      75101

*** Standard: 6 Rep: 2                Seq:  264     13:46:35 11 Sep 06   HG

Hg     10.0    ppb      75294

*** Standard: 6 Rep: 3                Seq:  265     13:49:23 11 Sep 06   HG

Hg     10.0    ppb      75927

*** Check Standard: 2  Ck2 ICV        Seq:  266     13:58:16 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      H   176.     5.28    3.00  ppb         .000

*** Check Standard: 2  Ck2 ICV        Seq:  267     14:13:03 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          93.8     2.81    3.00  ppb         .000

*** Check Standard: 3  Ck3 ICB        Seq:  268     14:15:20 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -10.3    -.005    .050  ppb         .000

*** Check Standard: 4  Ck4 CRA        Seq:  269     14:17:48 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.9     .198    .200  ppb         .000

*** Check Standard: 5  Ck5 CCV        Seq:  270     14:19:57 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.8     4.99    5.00  ppb         .000

*** Check Standard: 6  Ck6 CCB        Seq:  271     14:22:07 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          60.0     .030    .050  ppb         .000

*** Sample ID: BLK93632   60911B      Seq:  272     14:24:34 11 Sep 06   HG

Hg     .071    ppb       .000      .071

*** Sample ID: BKS93632   60911B      Seq:  273     14:26:53 11 Sep 06   HG

Hg     2.90    ppb       .000      2.90

*** Sample ID: S 608163-0 60911B      Seq:  274     14:28:58 11 Sep 06   HG
                          01-001-1/2
Hg     .316    ppb       .000      .316

*** Sample ID: S 608163-0 60911B      Seq:  275     14:32:08 11 Sep 06   HG
                          02-003-1/2
Hg     .260    ppb       .000      .260

*** Sample ID: S 608163-0 60911B      Seq:  276     14:34:24 11 Sep 06   HG
                          03-005-1/2
Hg     .343    ppb       .000      .343
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------------

*** Sample ID: S 608163-0 60911B     Seq:  277    14:36:29 11 Sep 06   HG
                            04-007-1/2
Hg    .240    ppb       .000      .240

*** Sample ID: S 608163-0 60911B     Seq:  278    14:38:35 11 Sep 06   HG
                            05-009-1/2
Hg    .214    ppb       .000      .214

*** Sample ID: S 608163-0 60911B     Seq:  279    14:41:16 11 Sep 06   HG
                            07-013-1/2
Hg    .189    ppb       .000      .189

*** Sample ID: S 608163-0 60911B     Seq:  280    14:43:47 11 Sep 06   HG
                            08-015-1/2
Hg    .266    ppb       .000      .266

*** Sample ID: S 608163-0 60911B     Seq:  281    14:45:55 11 Sep 06   HG
                            09-019-1/2
Hg    .323    ppb       .000      .323

*** Check Standard: 5  Ck5 CCV      Seq:  282    14:48:11 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.02    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  283    14:50:58 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          130.     .065    .050   ppb        .000

*** Sample ID: S 608163-0 60911B     Seq:  284    14:53:15 11 Sep 06   HG
                            12-018-1/2
Hg    .160    ppb       .000      .160

*** Sample ID: S 608163-0 60911B     Seq:  285    14:56:31 11 Sep 06   HG
                            13-024-1/1
Hg    .366    ppb       .000      .366

*** Sample ID: S 608163-0 60911B     Seq:  286    14:59:39 11 Sep 06   HG
                            14-025-1/1
Hg    .223    ppb       .000      .223

*** Sample ID: S 608163-0 60911B     Seq:  287    15:02:04 11 Sep 06   HG
                            15-022-1/1
Hg    .277    ppb       .000      .277

*** Sample ID: SP608163-0 60911B     Seq:  288    15:04:33 11 Sep 06   HG
                            15-022-1/1
Hg    .741    ppb       .000      .741

*** Sample ID: SD608163-0 60911B     Seq:  289    15:07:00 11 Sep 06   HG
                            15-022-1/1
Hg    3.60    ppb       .000      3.60

*** Sample ID: S 608163-0 60911B     Seq:  290    15:09:09 11 Sep 06   HG
                            16-023-1/1
Hg    .276    ppb       .000      .276

*** Sample ID: BLK93633   60911B     Seq:  291    15:11:24 11 Sep 06   HG

Hg    .037    ppb       .000      .037
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------------

*** Sample ID: BKS93633   60911B     Seq:  292    15:14:23 11 Sep 06   HG

Hg    3.26    ppb       .000      3.26

*** Sample ID: S 608156-0 60911B     Seq:  293    15:16:50 11 Sep 06   HG
                           01-002-1/2
Hg    .586    ppb       .000      .586

*** Check Standard: 5  Ck5 CCV      Seq:  294    15:19:01 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.06    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  295    15:21:31 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   39.7     .020    .050   ppb        .000

*** Sample ID: S 608156-0 60911B     Seq:  296    15:23:39 11 Sep 06   HG
                           02-003-1/2
Hg    .237    ppb       .000      .237

*** Sample ID: S 608156-0 60911B     Seq:  297    15:25:47 11 Sep 06   HG
                           03-005-1/2
Hg    .407    ppb       .000      .407

*** Sample ID: S 608156-0 60911B     Seq:  298    15:28:15 11 Sep 06   HG
                           04-007-1/2
Hg    .271    ppb       .000      .271

*** Sample ID: S 608156-0 60911B     Seq:  299    15:30:23 11 Sep 06   HG
                           05-009-1/2
Hg    .149    ppb       .000      .149

*** Sample ID: S 608156-0 60911B     Seq:  300    15:32:32 11 Sep 06   HG
                           06-011-1/2
Hg    .532    ppb       .000      .532

*** Sample ID: S 608156-0 60911B     Seq:  301    15:34:48 11 Sep 06   HG
                           07-013-1/2
Hg    .255    ppb       .000      .255

*** Sample ID: SP608156-0 60911B     Seq:  302    15:37:07 11 Sep 06   HG
                           07-013-1/2
Hg    3.50    ppb       .000      3.50

*** Sample ID: SD608156-0 60911B     Seq:  303    15:39:26 11 Sep 06   HG
                           07-013-1/2
Hg    3.55    ppb       .000      3.55

*** Sample ID: S 608156-0 60911B     Seq:  304    15:42:24 11 Sep 06   HG
                           08-015-1/2
Hg    .246    ppb       .000      .246

*** Sample ID: S 608156-0 60911B     Seq:  305    15:44:33 11 Sep 06   HG
                           09-017-1/2
Hg    .331    ppb       .000      .331

*** Check Standard: 5  Ck5 CCV      Seq:  306    15:47:11 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.10    5.00   ppb        .000
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6 CCB      Seq:  307     15:49:42 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          122.     .061    .050   ppb        .000

*** Sample ID: S 608158-0 60911B     Seq:  308     15:51:57 11 Sep 06   HG
                            01-001-1/2
Hg    .222    ppb       .000      .222

*** Sample ID: S 608158-0 60911B     Seq:  309     15:54:45 11 Sep 06   HG
                            02-003-1/2
Hg    .273    ppb       .000      .273

*** Sample ID: S 608158-0 60911B     Seq:  310     15:57:03 11 Sep 06   HG
                            06-009-1/2
Hg    .202    ppb       .000      .202

*** Sample ID: S 608149-0 60911B     Seq:  311     15:59:19 11 Sep 06   HG
                            01-030-1/2
Hg    .318    ppb       .000      .318

*** Sample ID: S 608149-0 60911B     Seq:  312     16:01:36 11 Sep 06   HG
                            02-032-1/2
Hg    19.7    ppb       .000     19.7

*** Sample ID: S 608149-0 60911B     Seq:  313     16:04:32 11 Sep 06   HG
                            04-034-1/2
Hg    .098    ppb       .000      .098

*** Sample ID: S 608149-0 60911B     Seq:  314     16:07:38 11 Sep 06   HG
                            06-022-1/2
Hg    .191    ppb       .000      .191

*** Sample ID: S 608149-0 60911B     Seq:  315     16:09:44 11 Sep 06   HG
                            07-024-1/2
Hg    .224    ppb       .000      .224

*** Sample ID: S 608149-0 60911B     Seq:  316     16:12:00 11 Sep 06   HG
                            08-026-1/2
Hg    .828    ppb       .000      .828

*** Sample ID: S 608149-0 60911B     Seq:  317     16:14:21 11 Sep 06   HG
                            09-028-1/2
Hg    .216    ppb       .000      .216

*** Check Standard: 5  Ck5 CCV      Seq:  318     16:16:27 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.     5.19    5.00   ppb        .000

*** Check Standard: 6  Ck6 CCB      Seq:  319     16:18:39 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   35.5     .018    .050   ppb        .000

*** Sample ID: S 608149-0 60911B     Seq:  320     16:21:17 11 Sep 06   HG
                            02-032-1/2:10
Hg    2.04    ppb       .000     2.04

*** Check Standard: 5  Ck5 CCV      Seq:  321     16:23:28 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.17    5.00   ppb        .000
```

KC ZW JJ

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6 CCB      Seq:  322     16:25:39 11 Sep 06   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   40.8     .020    .050   ppb        .000

*** Sample ID: S CVAA     60911B     Seq:  323    16:28:26 11 Sep 06   HG

Hg    .104    ppb       .000      .104

*** Sample ID: S DIG 50L  60911B     Seq:  324    16:30:55 11 Sep 06   HG

Hg    246.    ppb       .000      246.

*** Sample ID: S DIG 50L  60911B     Seq:  325    16:56:12 11 Sep 06   HG
                           DF=100
Hg   -.032    ppb       .000     -.032

*** Sample ID: S DIG 50L  60911B     Seq:  326    16:59:18 11 Sep 06   HG
                           DF=100
Hg    66.5    ppb       .000      66.5

*** Sample ID: S DIG 50L  60911B     Seq:  327    17:03:14 11 Sep 06   HG
                           DF=1000
Hg    8.21    ppb       .000      8.21

*** Sample ID: S DIG 25L  60911B     Seq:  328    17:06:25 11 Sep 06   HG

Hg    195.    ppb       .000      195.

*** Sample ID: S DIG 25L  60911B     Seq:  329    17:12:52 11 Sep 06   HG
                           DF=1000
Hg    .392    ppb       .000      .392
```

GPL Laboratories, LLLP *Document Control No: GP_M_180*

Metals Preparation & Sample Description Log

Page 1 of 2 → 096

Date: 09-06-06 Prep: 200.7 / 3005A / 3020A / (3050B) / 3010A / ILC03.1 / ILM04.1 / ILM05.3 Batch No: 180-096

Analyst: RLI Comments: MOD BLOCK DIGESTION (soil)

Reviewed by: Date: Spike Witness: RA Pep. Seq: 93573 / 93574

	GPL Work Order No.	Sample	Frac	Size mL (g)	Final Vol. (mL)	Matrix S, W Other	Color Before	Color After	Clarity Before or Soil Texture	Clarity After Clear, Cloudy, Opaque	Soil Artifacts or Water pH
							R, Bl, Y, G, O, V, W Colorless, Br, Grey, Bk				
1	BLK	096		1.00	100	S				clear	/
2	BKS	096		1.00							/
3	608134	001	-004-½	1.49		soil	Brown	yellow	Medium		/
4		MS-1		1.56							
5		MSD-1		1.66							
6		MS-2		1.71							
7		MSD-2		1.78							
8	608156	001	-001-½	1.22							
9		002	-003-½	1.37							
10		003	-005-½	1.23							
11		004	-007-½	1.19							
12		005	-009-½	1.28							
13		006	-011-½	1.22							
14		007	-013-½	1.18							
15		008	-015-½	1.20							
16		009	-017-½	1.24							
17	608158	001	-001-½	1.33							
18		002	-003-½	1.14							
19		003	-005-½	1.26							
20		004	-007-½	1.26							
21		005	-011-½	1.25							
22		MS		1.30							
23		MSD		1.32							
24		006	-009-½	1.19							

LCS ID/ Amt. Added (ml ,g) : 0.2 ml (37361, 37362, 37363)

Spiking ID / Amt. Added (ml) 0.2 ml (37361, 37362, 37363) MS1-MSD=1

0.4 ml (37361, 37362, 37363) MS2-MSD2=2

~~10ml HNO3, 10ml NaOH, 7ml [illegible], 10ml HCl~~

Temperature, C: 94°C

HNO3(1+1) ID: GP-057-115-09

HNO3(conc) ID: GP-129-08-11

HCl(conc) ID: GP-129-08-01

HCl(1+1) ID:

Peroxide ID: GP-129-08-02

Metals Preparation & Sample Description Log

Page 2 of 2
Batch No 096

Date: 09-06-06 Prep: 200.7 / 3005A / 3020A / (3050B) / 3010A / ILC03.1 / ILM04.1 / ILM05.3 Batch No: 180

Analyst: MJ Comments: MOD BLOCK DIGESTION Cold

Reviewed by: Date: Spike Witness: Pep. Seq: 93-73

	GPL Work Order No.	Sample	Frac	Size mL (g)	Final Vol. (mL)	Matrix S, W Other	Color Before (R, Bl, Y, G, O, V, W Colorless, Br, Grey, Bk)	Color After	Clarity Before or Soil Texture	Clarity After Clear, Cloudy, Opaque	Soil Artifacts or Water pH
1	609025	001	-001-½	1.23	100	soil	Brown	Yellow	Medium	Cloudy	✓
2	609006	007	-007-½	1.25	↓	↓	↓	↓	↓	↓	↓
3	↓	008	-008-½	1.28	↓	↓	↓	↓	↓	↓	↓
4											
5											
6											
7											
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17											
18											
19											
20											
21											
22											
23											
24											

MJ 09-06-06

LCS ID/ Amt. Added (ml ,g): 0.2 ml (37361, 37362, 37363)	HNO3(1+1) ID: GP-05)-115-09
Spiking ID / Amt. Added (ml) 0.2 ml (37361, 37362, 37363)	HNO3(conc) ID: GP-129-08-11
10ML NH 1:1, 10ML Nelitic, 7ML Peroxal, 10ML HCL CNC	HCl(conc) ID: GP-129-08-01
Temperature, C: 94°C	HCl(1+1) ID: ✓
	Peroxide ID: GP-129-08-02

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 176- 1 of 3

Digestion Date: 9-10-06 (Redigestion) Analyst: David Hah

Reviewed By / Date: KC 12/Sep/06 (see p. 175)

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 93632	S	0.6	100	0	15
		BLKS 93632		0.6		3.0	
608163-001				0.636		0	
2				0.763			
3				0.660			
4				0.611			
5				0.774			
7 ~~8~~				0.717			
8 ~~9~~				0.992			
9 ~~8~~				0.648			
10 ~~8~~				0.688			
11 ~~10~~				0.632			
12 ~~11~~				0.605			
13 ~~12~~				0.734			
14 ~~13~~				0.630			
15 ~~14~~				0.605			
15 ~~15~~		MS		0.650		3.0	
16		MSD		0.784		3.0	
16				0.777		0	
~~16~~							

9-26-5

9-10-09

50% Aqua regia:	129-119-01	Spiking Solution Conc:	0.1 PPM Hg
HNO3:		Std/CRA/BKS/Spk:	38100
H2SO4:		(2nd source) ICV:	38098
KMnO4:	~~129-111-09~~ 129-121-01	H2O Bath Temp: 95°C	In Time: 1952
K2S2O8:		H2O Bath Temp: 95°C	Out Time: 1954
NH2OH*HCl:	129-109-10	H2O Bath Temp: 95°C	In Time: 2100
Comments: std's on page 183		H2O Bath Temp: 95°C	Out Time: 2130

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 176- 2 of 3

Digestion Date: 9-10-06 (Redigestion, pg 176) Analyst: David Hale

Reviewed By / Date: KC 12/Sep/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		BLK 93633	S	0.6	100	0	15.0
		BKS 93635	S	0.6		3.0	
608156-001	001-½		S	0.656		0	
2	003-			0.693			
3	005-			0.703			
4	007-			0.660			
5	009-			0.611			
6	011-			0.622			
7	012-			0.677			
8	014-			0.715			
9	017-			0.689			
7	013-	MS		0.620		3.0	
7	013-½	MSD		0.642		3.0	
608158-001	001-			0.640		0	
2	003-			0.673			
6	007-			0.698			
608149-001	030-			0.818			
2	032-			0.869			
4	034-			0.684			
6	022-			0.665			
7	024-			0.740			
8	026-			0.983			
9	028-½			0.667			
				9-10-06			

50% Aqua regia: 129-119-01

HNO3:

H2SO4:

KMnO4: ~~129-111-09~~ 129-121-1 9-14-10-06

K2S2O8:

NH2OH*HCl: 129-109-10

Comments: std-sar p 183

Spiking Solution Conc: 0.1 PPM Hg

Std/CRA/BKS/Spk: 38100

(2nd source) ICV: 38098

H2O Bath Temp: 95°C In Time: 19:52

H2O Bath Temp: 95°C Out Time: 19:54

H2O Bath Temp: 95°C In Time: 21:00

H2O Bath Temp: 95°C Out Time: 21:30

Mercury Digestion Log

Method: 7470A / 7471A / 245.1 / ILM04.1 / ILM05.2 / ILM05.3 Batch No: 176- 3 of 3

Digestion Date: 9-10-06 Analyst: David Hale

Reviewed By / Date: KE 12/Sep/2006

GPL Workorder	Frac	Client ID	Matrix	SIZE mL / g	VOL (mL)	Spk.A. (mL)	KMnO4 (mL)
		S0	W	10mL	100	0	15
		S0.2				0.2	
		S0.5				0.5	
		S1.0				1.0	
		S5.0				5.0	
		S10.0				10.0	
		CCV				5.0	
		CRA				0.2	
		ICB				0	
		ICV				3.0	
		ICV2				3.0	

JDH 9-10-06

50% Aqua regia: GP 129-119-01

HNO3: —

H2SO4: — 121-01 JDH 9-10-06

KMnO4: 129-~~119-09~~

K2S2O8: —

NH2OH*HCl: 129-109-10

Comments:

Spiking Solution Conc: 0.1 PPM Hg

Std/CRA/BKS/Spk: 38100

(2nd source) ICV: 38098

H2O Bath Temp: 95°C In Time: 19:52

H2O Bath Temp: 95°C Out Time: 19:54

H2O Bath Temp: 95°C In Time: 21:50

H2O Bath Temp: 95°C Out Time: 21:30

GPL Laboratories, LLLP
Percent Solids Determination Log

Method Title:	CLP_SOLIDS	**Analyst:**	ISAAC ERUSIAFE
Method Reference:	Percent Solids by CLP	**Reviewed By/Date:**	
Analytical Balance ID:	Saratorius CP153	**Analytical Batch:**	91158
Date/Time In (Oven):	08/28/2006 15:33	**Oven Temperature:**	105C
Date/Time Out (Oven):	08/29/2006 15:33	**Oven Temperature:**	105C
Dessicator Temp:	21C	**% Humidity (<20%):**	12%

Drying Oven Temp Maintained at 103-105C

SDG	Lab Sample ID	Client Sample ID	Weight of Dish	Weight of Wet Sample + Dish	Weight of Dry Sample + Dish	Percent Moisture	Percent Solids	RPD (<20)
608150	608150-001-001-1/1	LIBR-SE03 QA	1.3070g	10.3490g	7.1450g	35.4%	64.6%	
608150	608150-002-002-1/1	LIBR-SS13 QA	1.3110g	10.6650g	9.5430g	12.0%	88.0%	
608158	608158-001-001-1/2	NWO-017-0044	1.3200g	10.5840g	10.3440g	2.6%	97.4%	
608158	608158-002-003-1/2	NWO-017-1011	1.3240g	10.5830g	9.0880g	16.2%	83.9%	
608158	608158-003-005-1/2	NWO-017-0019	1.3160g	10.7020g	9.9030g	8.5%	91.5%	
608158	608158-004-007-1/2	NWO-017-0020	1.3140g	10.5580g	9.9350g	6.7%	93.3%	
608158	608158-005-011-1/6	NWO-017-0021	1.3170g	10.5060g	9.7030g	8.7%	91.3%	
608158	608158-005-011-1/6D	NWO-017-0021	1.3200g	10.5040g	9.7330g	8.4%	91.6%	0.4
608158	608158-006-009-1/2	NWO-017-0045	1.3290g	10.4840g	9.8390g	7.1%	93.0%	

	Description {90}	An	Sample Id {92}	Flag {111}	Val	Rpd {113}	Rpd Limit	N	mdl {125}	S	Retention Time	LCL {131	UCL {132	Moisture	Final Reporting	Final MDL {139}	Valid.Comments {145}	Anal Multiplier	Prep Multiplier
1																			
2																			
3																			
4	Percent Solids	AN	608150-001-			0	1		1.0000					35.43	1.000	1.00000		1.000	
5	Percent Solids	AN	608150-002-			0	1		1.0000					11.99	1.000	1.00000		1.000	
6	Percent Solids	AN	608158-001-			0	1		1.0000					2.59	1.000	1.00000		1.000	
7	Percent Solids	AN	608158-002-			0	1		1.0000					16.15	1.000	1.00000		1.000	
8	Percent Solids	AN	608158-003-			0	1		1.0000					8.51	1.000	1.00000		1.000	
9	Percent Solids	AN	608158-004-			0	1		1.0000					6.74	1.000	1.00000		1.000	
10	Percent Solids	AN	608158-005-			0	1		1.0000					8.74	1.000	1.00000		1.000	
11	Percent Solids	AN	608158-005-			0	1		1.0000					8.4	1.000	1.00000		1.000	
12	Percent Solids	AN	608158-006-			0	1		1.0000					7.05	1.000	1.00000		1.000	

	Description {90}	A n	Sample Id {92}	ST Sam	Method {94}	Results {95}	RL Raw {96}	R	Raw Results	Multiplier {99}	Reporti ng	Raw Unt	nFinal Result	Sort Order	spk Amount	% Recover	Raw Final {110}
1																	
2																	
3																	
4	Percent Solids	AN	608150-001-	SMP	CLP_SOLI	64.57	1.0000	✓	64.5700	00000000	PER	PER	64.5700	0	0.0000	0.00	64.5700
5	Percent Solids	AN	608150-002-	SMP	CLP_SOLI	88.01	1.0000	✓	88.0100	00000000	PER	PER	88.0100	0	0.0000	0.00	88.0100
6	Percent Solids	AN	608158-001-	SMP	CLP_SOLI	97.41	1.0000	✓	97.4100	00000000	PER	PER	97.4100	0	0.0000	0.00	97.4100
7	Percent Solids	AN	608158-002-	SMP	CLP_SOLI	83.85	1.0000	✓	83.8500	00000000	PER	PER	83.8500	0	0.0000	0.00	83.8500
8	Percent Solids	AN	608158-003-	SMP	CLP_SOLI	91.49	1.0000	✓	91.4900	00000000	PER	PER	91.4900	0	0.0000	0.00	91.4900
9	Percent Solids	AN	608158-004-	SMP	CLP_SOLI	93.26	1.0000	✓	93.2600	00000000	PER	PER	93.2600	0	0.0000	0.00	93.2600
10	Percent Solids	AN	608158-005-	SMP	CLP_SOLI	91.26	1.0000	✓	91.2600	00000000	PER	PER	91.2600	0	0.0000	0.00	91.2600
11	Percent Solids	AN	608158-005-	MD /	CLP_SOLI	91.6	1.0000	✓	91.6000	00000000	PER	PER	91.6000	0	0.0000	0.00	91.6000
12	Percent Solids	AN	608158-006-	SMP	CLP_SOLI	92.95	1.0000	✓	92.9500	00000000	PER	PER	92.9500	0	0.0000	0.00	92.9500

	Sample Id	Clas	Method	Q	Anal Date	Tech	SEQ No.	Multip	M	Prep	R	Client	A	B	C	Calculate	Meth	Col	Col	C	Perce	Last QC Sample
1																						
2																						
3																						
4	608150-001-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	LIBR-S	1.30700	10.34900	7.14500	64.5654	1.0000			1	35.43	✓
5	608150-002-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	LIBR-S	1.31100	10.66500	9.54300	88.0051	1.0000			1	11.99	✓
6	608158-001-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	NWO-0	1.32000	10.58400	10.34400	97.4093	1.0000			1	2.59	✓
7	608158-002-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	NWO-0	1.32400	10.58300	9.08800	83.8535	1.0000			1	16.15	✓
8	608158-003-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	NWO-0	1.31600	10.70200	9.90300	91.4873	1.0000			1	8.51	✓
9	608158-004-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	NWO-0	1.31400	10.55800	9.93500	93.2605	1.0000			1	6.74	✓
10	608158-005-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	NWO-0	1.31700	10.50600	9.70300	91.2613	1.0000			1	8.74	✓
11	608158-005-0	MD	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	NWO-0	1.32000	10.50400	9.73300	91.6050	1.0000			1	8.40	✓
12	608158-006-0	SMP	CLP_SOLIDS		08-29-06 15:3	1300-18	91158	00000	S		Y	NWO-0	1.32900	10.48400	9.83900	92.9547	1.0000			1	7.05	✓

Analytical Report For 608163

for

Shaw E&I, Inc

Project Manager: Tim Roth

Project Name: Camp Addair - Shaw FUDS MMRP Site - 017

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Sixteen soil samples were received on 08/29/2006. The samples were delivered by Federal Express. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Explosives/Propellants

PETN Analyses

Nine soil samples were extracted and analyzed for PETN using the modified SW846 method 8330A.

All extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

The matrix spike and matrix spike duplicate analysis were performed on sample NWO-017-0034. The percent recoveries were within the QC limits.

A laboratory control sample was extracted and analyzed with the batch. The percent recovery was within the QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

Explosives by EPA Method 8330

Nine soil samples were extracted and analyzed for explosive compounds, including Nitroglycerine, using SW846 method 8330.

All extraction and analysis holding times were met.

All surrogate recoveries were within the QC limits.

The matrix spike and matrix spike duplicate were performed on sample NWO-017-0034 . The percent recovery for four spikes in the MS/MSD were slightly below the QC limits. All other recoveries were within the QC limits.

One spike recovery was above the QC limits in %RPD.

A laboratory control sample was extracted and analyzed along with the batch. One spike recovery was slightly below the QC limits. All other recoveries were within the QC limits.

The recovery for Nitroglycerine was within the QC limits.

Manual integration was performed on some data files, when automatic integration provided by the software was inappropriate.

Metals

Fourteen soil samples were analyzed for aluminum, antimony, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, strontium, titanium, zinc and mercury; two soil samples were analyzed for lead and only EPA SW846 methods were used. The samples were analyzed by ICPMS in order to meet the required reporting limits.

The samples were air dried, crushed, and then sieved. Then the sieved samples were digested for all analytes. All the samples are assumed one hundred percent solid because dried samples were used for the digestions.

On form one, The software flags all results for specific elements with a B qualifier if they have a result above two times the MDL and less than ½ the reporting limit for a continuing calibration blank, initial calibration blank or interference check solution A.

A matrix spike, matrix spike duplicate, and serial dilutions were performed on sample NOW-017-0034 for all ICPMS analytes. The matrix spike and matrix spike duplicates were outside of the control limits for antimony; all associated data were flagged with an "N". A post digestion analytical spike was performed with a recovery of 97% for antimony. No control limits were applied to the matrix spike for aluminum, iron, manganese and titanium; matrix spike duplicate for aluminum, iron, magnesium, manganese and titanium due to an insignificant spike addition. The serial dilution was outside of the control limits for chromium and zinc; all associated data were flagged with an "E".

A matrix spike and matrix spike duplicate were performed on sample NOW-017-5010 for mercury. They were within the control limits.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

Pat Weberschun

Reviewed By,

Project Manager

Approved By,

Laboratory Director

Sample Summary Report

Shaw E&I, Inc

Work Order: 608163

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
NWO-017-0001	608163-010-020-1/1	SW6020	SOIL	08/24/2006	08/29/2006
	608163-010-020-1/1	CLP_SOLIDS			
NWO-017-0008	608163-011-021-1/1	SW6020	SOIL	08/24/2006	08/29/2006
	608163-011-021-1/1	CLP_SOLIDS			
NWO-017-0024	608163-008-015-1/2	SW8330	SOIL	08/24/2006	08/29/2006
	608163-008-015-1/2	SW8330A			
	608163-008-015-1/2	SW6020_MM			
	608163-008-015-1/2	SW7471A			
	608163-008-015-1/2	CLP_SOLIDS			
NWO-017-0025	608163-004-007-1/2	SW8330	SOIL	08/24/2006	08/29/2006
	608163-004-007-1/2	SW8330A			
	608163-004-007-1/2	SW6020_MM			
	608163-004-007-1/2	SW7471A			
	608163-004-007-1/2	CLP_SOLIDS			
NWO-017-0033	608163-007-013-1/2	SW8330	SOIL	08/24/2006	08/29/2006
	608163-007-013-1/2	SW8330A			
	608163-007-013-1/2	SW6020_MM			
	608163-007-013-1/2	SW7471A			
	608163-007-013-1/2	CLP_SOLIDS			
NWO-017-0034	608163-001-001-1/2	SW8330	SOIL	08/25/2006	08/29/2006
	608163-001-001-1/2	SW8330A			
	608163-001-001-1/2	SW6020_MM			
	608163-001-001-1/2	SW7471A			
	608163-001-001-1/2	CLP_SOLIDS			
NWO-017-1002	608163-003-005-1/2	SW8330	SOIL	08/24/2006	08/29/2006
	608163-003-005-1/2	SW8330A			
	608163-003-005-1/2	SW6020_MM			
	608163-003-005-1/2	SW7471A			
	608163-003-005-1/2	CLP_SOLIDS			
NWO-017-1004	608163-012-017-1/2	SW8330	SOIL	08/25/2006	08/29/2006
	608163-012-017-1/2	SW8330A			
	608163-012-017-1/2	SW6020_MM			
	608163-012-017-1/2	SW7471A			

Sample Summary Report

Shaw E&I, Inc

Work Order: 608163

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
	608163-012-017-1/2	CLP_SOLIDS			
NWO-017-1005	608163-005-009-1/2	SW8330	SOIL	08/24/2006	08/29/2006
	608163-005-009-1/2	SW8330A			
	608163-005-009-1/2	SW6020_MM			
	608163-005-009-1/2	SW7471A			
	608163-005-009-1/2	CLP_SOLIDS			
NWO-017-1006	608163-006-011-1/2	SW8330	SOIL	08/24/2006	08/29/2006
	608163-006-011-1/2	SW8330A			
	608163-006-011-1/2	SW6020_MM			
	608163-006-011-1/2	SW7471A			
	608163-006-011-1/2	CLP_SOLIDS			
NWO-017-1007	608163-002-003-1/2	SW8330	SOIL	08/25/2006	08/29/2006
	608163-002-003-1/2	SW8330A			
	608163-002-003-1/2	SW6020_MM			
	608163-002-003-1/2	SW7471A			
	608163-002-003-1/2	CLP_SOLIDS			
NWO-017-5008	608163-013-024-1/1	SW6020_MM	SOIL	08/25/2006	08/29/2006
	608163-013-024-1/1	SW7471A			
	608163-013-024-1/1	CLP_SOLIDS			
NWO-017-5009	608163-014-025-1/1	SW6020_MM	SOIL	08/25/2006	08/29/2006
	608163-014-025-1/1	SW7471A			
	608163-014-025-1/1	CLP_SOLIDS			
NWO-017-5010	608163-015-022-1/1	SW6020_MM	SOIL	08/25/2006	08/29/2006
	608163-015-022-1/1	SW7471A			
	608163-015-022-1/1	CLP_SOLIDS			
NWO-017-5011	608163-016-023-1/1	SW6020_MM	SOIL	08/25/2006	08/29/2006
	608163-016-023-1/1	SW7471A			
	608163-016-023-1/1	CLP_SOLIDS			
NWO-017-5012	608163-009-019-1/1	SW6020_MM	SOIL	08/24/2006	08/29/2006
	608163-009-019-1/1	SW7471A			
	608163-009-019-1/1	CLP_SOLIDS			

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0034	Lab Sample ID:	608163-001-001-1/2
Sample Date/Time:	08/25/2006 14:26	Percent Moisture:	4.81
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 14:43	Analytical Method:	SW8330

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) Nitroglycerine	BQL	U	4.0	1	mg/kg	09/18/06	23:23
2) Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/20/06	18:49

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3) 4-Nitroaniline	74 %	31 - 129	1	09/20/06	18:49

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0034	Lab Sample ID:	608163-001-001-1/2
Sample Date/Time:	08/25/2006 14:26	Percent Moisture:	4.81
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/18/06	23:23
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/18/06	23:23
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/18/06	23:23
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/18/06	23:23
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/18/06	23:23
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/18/06	23:23
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/18/06	23:23
8) HMX	BQL	U	0.080	1	mg/kg	09/18/06	23:23
9) Nitrobenzene	0.0078	J	0.040	1	mg/kg	09/18/06	23:23
10) RDX	BQL	U	0.080	1	mg/kg	09/18/06	23:23
11) Tetryl	BQL	U	0.080	1	mg/kg	09/18/06	23:23
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/18/06	23:23
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/18/06	23:23
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/18/06	23:23

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	67 %	31 - 129	1	09/18/06	23:23

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0034	Lab Sample ID:	608163-001-001-1/2
Sample Date/Time:	08/25/2006 14:26	Percent Moisture:	4.81
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW3050B
Prepared Date/Time:	09/11/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**19500**	**D**	**81.3**	**10**	**mg/kg**	**09/11/06**	**22:30**
2)	Antimony	0.19	JND	0.81	10	mg/kg	09/11/06	22:30
3)	**Barium**	**154**	**DB**	**4.1**	**10**	**mg/kg**	**09/11/06**	**22:30**
4)	Cadmium	0.23	JD	0.41	10	mg/kg	09/11/06	22:30
5)	**Chromium**	**25.4**	**ED**	**1.6**	**10**	**mg/kg**	**09/11/06**	**22:30**
6)	**Cobalt**	**14.4**	**D**	**0.41**	**10**	**mg/kg**	**09/11/06**	**22:30**
7)	**Copper**	**14.5**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**22:30**
8)	**Iron**	**25200**	**D**	**40.7**	**10**	**mg/kg**	**09/11/06**	**22:30**
9)	**Lead**	**14.3**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**22:30**
10)	**Magnesium**	**3350**	**D**	**81.3**	**10**	**mg/kg**	**09/11/06**	**22:30**
11)	**Manganese**	**833**	**DB**	**1.6**	**10**	**mg/kg**	**09/11/06**	**22:30**
12)	Molybdenum	0.26	JD	4.1	10	mg/kg	09/11/06	22:30
13)	**Nickel**	**13.5**	**D**	**0.81**	**10**	**mg/kg**	**09/11/06**	**22:30**
14)	**Strontium**	**17.7**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**22:30**
15)	**Titanium**	**800**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**22:30**
16)	**Zinc**	**44.6**	**ED**	**8.1**	**10**	**mg/kg**	**09/11/06**	**22:30**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0034	Lab Sample ID:	608163-001-001-1/2
Sample Date/Time:	08/25/2006 14:26	Percent Moisture:	4.81
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/13/2006 20:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Mercury	0.029	J	0.032	1	mg/kg	09/14/06	11:33

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0034	Lab Sample ID:	608163-001-001-1/2
Sample Date/Time:	08/25/2006 14:26	Percent Moisture:	4.81
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**95**		**1.0**	**1**	**%**	**09/01/06**	**09:00**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1007	Lab Sample ID:	608163-002-003-1/2
Sample Date/Time:	08/25/2006 11:30	Percent Moisture:	23.48
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 14:43	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Nitroglycerine**	**6.6**		**4.0**	**1**	**mg/kg**	**09/19/06**	**03:21**
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/20/06	19:10

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	86 %	31 - 129	1	09/20/06	19:10

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1007	Lab Sample ID:	608163-002-003-1/2
Sample Date/Time:	08/25/2006 11:30	Percent Moisture:	23.48
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	03:21
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	03:21
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	03:21
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	03:21
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	03:21
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	03:21
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	03:21
8) HMX	BQL	U	0.080	1	mg/kg	09/19/06	03:21
9) Nitrobenzene	0.034	J	0.040	1	mg/kg	09/19/06	03:21
10) RDX	BQL	U	0.080	1	mg/kg	09/19/06	03:21
11) Tetryl	BQL	U	0.080	1	mg/kg	09/19/06	03:21
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	03:21
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	03:21
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	03:21

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	66 %	31 - 129	1	09/19/06	03:21

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1007	Lab Sample ID:	608163-002-003-1/2
Sample Date/Time:	08/25/2006 11:30	Percent Moisture:	23.48
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW3050B
Prepared Date/Time:	09/11/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**14400**	**D**	**81.3**	**10**	**mg/kg**	**09/11/06**	**23:13**
2)	Antimony	0.15	JND	0.81	10	mg/kg	09/11/06	23:13
3)	**Barium**	**202**	**DB**	**4.1**	**10**	**mg/kg**	**09/11/06**	**23:13**
4)	Cadmium	0.20	JD	0.41	10	mg/kg	09/11/06	23:13
5)	**Chromium**	**23.3**	**ED**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:13**
6)	**Cobalt**	**21.2**	**D**	**0.41**	**10**	**mg/kg**	**09/11/06**	**23:13**
7)	**Copper**	**19.6**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:13**
8)	**Iron**	**32500**	**D**	**40.7**	**10**	**mg/kg**	**09/11/06**	**23:13**
9)	**Lead**	**15.7**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:13**
10)	**Magnesium**	**2390**	**D**	**81.3**	**10**	**mg/kg**	**09/11/06**	**23:13**
11)	**Manganese**	**794**	**DB**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:13**
12)	Molybdenum	0.56	JD	4.1	10	mg/kg	09/11/06	23:13
13)	**Nickel**	**13.3**	**D**	**0.81**	**10**	**mg/kg**	**09/11/06**	**23:13**
14)	**Strontium**	**30.1**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:13**
15)	**Titanium**	**434**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:13**
16)	**Zinc**	**64.4**	**ED**	**8.1**	**10**	**mg/kg**	**09/11/06**	**23:13**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1007	Lab Sample ID:	608163-002-003-1/2
Sample Date/Time:	08/25/2006 11:30	Percent Moisture:	23.48
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/13/2006 20:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.038**		**0.025**	**1**	**mg/kg**	**09/14/06**	**11:35**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1007	Lab Sample ID:	608163-002-003-1/2
Sample Date/Time:	08/25/2006 11:30	Percent Moisture:	23.48
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**76**		**1.0**	**1**	**%**	**09/01/06**	**09:00**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1002	Lab Sample ID:	608163-003-005-1/2
Sample Date/Time:	08/24/2006 15:30	Percent Moisture:	69.77
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 14:43	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/19/06	04:21
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/20/06	19:32

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	89 %	31 - 129	1	09/20/06	19:32

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1002	Lab Sample ID:	608163-003-005-1/2
Sample Date/Time:	08/24/2006 15:30	Percent Moisture:	69.77
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
8) HMX	BQL	U	0.080	1	mg/kg	09/19/06	04:21
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	04:21
10) RDX	BQL	U	0.080	1	mg/kg	09/19/06	04:21
11) Tetryl	BQL	U	0.080	1	mg/kg	09/19/06	04:21
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	04:21
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	04:21
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	04:21

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	104 %	31 - 129	1	09/19/06	04:21

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1002	Lab Sample ID:	608163-003-005-1/2
Sample Date/Time:	08/24/2006 15:30	Percent Moisture:	69.77
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW3050B
Prepared Date/Time:	09/11/2006 00:00	Analytical Method:	SW6020_MM

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Aluminum**	**16800**	**D**	**79.4**	**10**	**mg/kg**	**09/11/06**	**23:20**
2)	Antimony	BQL	UN	0.79	10	mg/kg	09/11/06	23:20
3)	**Barium**	**163**	**DB**	**4**	**10**	**mg/kg**	**09/11/06**	**23:20**
4)	Cadmium	0.27	JD	0.4	10	mg/kg	09/11/06	23:20
5)	**Chromium**	**22.0**	**ED**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:20**
6)	**Cobalt**	**12.2**	**D**	**0.4**	**10**	**mg/kg**	**09/11/06**	**23:20**
7)	**Copper**	**17.7**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:20**
8)	**Iron**	**18700**	**D**	**39.7**	**10**	**mg/kg**	**09/11/06**	**23:20**
9)	**Lead**	**13.8**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:20**
10)	**Magnesium**	**2120**	**D**	**79.4**	**10**	**mg/kg**	**09/11/06**	**23:20**
11)	**Manganese**	**375**	**DB**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:20**
12)	Molybdenum	0.30	JD	4	10	mg/kg	09/11/06	23:20
13)	**Nickel**	**12.7**	**D**	**0.79**	**10**	**mg/kg**	**09/11/06**	**23:20**
14)	**Strontium**	**22.4**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:20**
15)	**Titanium**	**489**	**D**	**1.6**	**10**	**mg/kg**	**09/11/06**	**23:20**
16)	**Zinc**	**41.1**	**ED**	**7.9**	**10**	**mg/kg**	**09/11/06**	**23:20**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1002	Lab Sample ID:	608163-003-005-1/2
Sample Date/Time:	08/24/2006 15:30	Percent Moisture:	69.77
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/13/2006 20:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.042**		**0.024**	**1**	**mg/kg**	**09/14/06**	**11:38**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-1002	Lab Sample ID:	608163-003-005-1/2
Sample Date/Time:	08/24/2006 15:30	Percent Moisture:	69.77
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	NA
Prepared Date/Time:		Analytical Method:	CLP_SOLIDS

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Percent Solids**	**30**		**1.0**	**1**	**%**	**09/01/06**	**09:00**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0025	Lab Sample ID:	608163-004-007-1/2
Sample Date/Time:	08/24/2006 16:30	Percent Moisture:	4.22
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 14:43	Analytical Method:	SW8330

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	Nitroglycerine	BQL	U	4.0	1	mg/kg	09/19/06	05:20
2)	Pentaerythritol Tetranitrate	BQL	U	0.20	1	mg/kg	09/20/06	19:53

#	Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
3)	4-Nitroaniline	80 %	31 - 129	1	09/20/06	19:53

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0025	Lab Sample ID:	608163-004-007-1/2
Sample Date/Time:	08/24/2006 16:30	Percent Moisture:	4.22
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	EXT_SW8330
Prepared Date/Time:	09/05/2006 00:00	Analytical Method:	SW8330A

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) 1,3,5-Trinitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
2) 1,3-Dinitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
3) 2,4,6-Trinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
4) 2,4-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
5) 2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
6) 2-Amino-4,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
7) 4-Amino-2,6-Dinitrotoluene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
8) HMX	BQL	U	0.080	1	mg/kg	09/19/06	05:20
9) Nitrobenzene	BQL	U	0.040	1	mg/kg	09/19/06	05:20
10) RDX	BQL	U	0.080	1	mg/kg	09/19/06	05:20
11) Tetryl	BQL	U	0.080	1	mg/kg	09/19/06	05:20
12) m-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	05:20
13) o-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	05:20
14) p-Nitrotoluene	BQL	U	0.080	1	mg/kg	09/19/06	05:20

# Surrogate Parameter	Percent Recovery	Control Limits	Dil Fact	Analysis Date/Time	
15) 4-Nitroaniline	67 %	31 - 129	1	09/19/06	05:20

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0025	Lab Sample ID:	608163-004-007-1/2
Sample Date/Time:	08/24/2006 16:30	Percent Moisture:	4.22
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW3050B
Prepared Date/Time:	09/11/2006 00:00	Analytical Method:	SW6020_MM

# Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1) **Aluminum**	**17100**	**D**	**74.1**	**10**	**mg/kg**	**09/11/06**	**23:26**
2) Antimony	BQL	UN	0.74	10	mg/kg	09/11/06	23:26
3) **Barium**	**123**	**DB**	**3.7**	**10**	**mg/kg**	**09/11/06**	**23:26**
4) Cadmium	0.34	JD	0.37	10	mg/kg	09/11/06	23:26
5) **Chromium**	**25.8**	**ED**	**1.5**	**10**	**mg/kg**	**09/11/06**	**23:26**
6) **Cobalt**	**14.0**	**D**	**0.37**	**10**	**mg/kg**	**09/11/06**	**23:26**
7) **Copper**	**17.0**	**D**	**1.5**	**10**	**mg/kg**	**09/11/06**	**23:26**
8) **Iron**	**26700**	**D**	**37**	**10**	**mg/kg**	**09/11/06**	**23:26**
9) **Lead**	**9.8**	**D**	**1.5**	**10**	**mg/kg**	**09/11/06**	**23:26**
10) **Magnesium**	**1460**	**D**	**74.1**	**10**	**mg/kg**	**09/11/06**	**23:26**
11) **Manganese**	**613**	**DB**	**1.5**	**10**	**mg/kg**	**09/11/06**	**23:26**
12) Molybdenum	0.35	JD	3.7	10	mg/kg	09/11/06	23:26
13) **Nickel**	**11.4**	**D**	**0.74**	**10**	**mg/kg**	**09/11/06**	**23:26**
14) **Strontium**	**5.8**	**D**	**1.5**	**10**	**mg/kg**	**09/11/06**	**23:26**
15) **Titanium**	**341**	**D**	**1.5**	**10**	**mg/kg**	**09/11/06**	**23:26**
16) **Zinc**	**35.4**	**ED**	**7.4**	**10**	**mg/kg**	**09/11/06**	**23:26**

Analytical Summary Report

Client Name:	Shaw E&I, Inc	Sample Matrix:	SOIL
Client Sample ID:	NWO-017-0025	Lab Sample ID:	608163-004-007-1/2
Sample Date/Time:	08/24/2006 16:30	Percent Moisture:	4.22
Receipt Date/Time:	08/29/2006 14:16	Preparation Method:	SW7471_DIG
Prepared Date/Time:	09/13/2006 20:00	Analytical Method:	SW7471A

#	Parameter	Reported Result	Q	Reporting Limit	Dil Fact	Units	Analysis Date/Time	
1)	**Mercury**	**0.035**		**0.029**	**1**	**mg/kg**	**09/14/06**	**11:40**