

ANALYTICAL REPORT

Job Number: 240-22559-2

Job Description: RVAAP - ECC

For:
Environmental Chemical Corp.
33 Boston Post Road West
Suite 40
Marlborough, MA 01752
Attention: Mr. Jackson Kiker



Approved for release.
Mark J Loeb
Project Manager II
6/5/2013 5:20 PM

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06/05/2013

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-22559-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 8330B Explosives analysis was performed at the TestAmerica Sacramento laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 03/27/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.2, 1.6, 1.8 and 4.8C.

EXPLOSIVES

Samples 078SS-0210M-0001-SO (240-22559-1), 078SS-0002M-0001-SO (240-22559-2), 078SS-0003M-0001-SO (240-22559-3), 078SB-0004M-0001-SO (240-22559-4), 078SB-0005M-0001-SO (240-22559-5), 078SB-0006M-0001,0002-SO (240-22559-6), 078SB-0008M-0001-SO (240-22559-8), 078SB-0009M-0001-SO (240-22559-10), 078SB-0011M-0001-SO (240-22559-11), 078SB-0012M-0001-SO (240-22559-12), 078SB-0015M-0001,0002-SO (240-22559-13), 078SB-0017M-0001-SO (240-22559-15), 078SB-0018M-0001-SO (240-22559-16), 078SB-0020M-0001-SO (240-22559-17), 078SB-0021M-0001-SO (240-22559-18), 078SB-0013M-0001-SO (240-22559-19), 078SB-0023M-0001-SO (240-22559-22), 078SB-0025M-0001-SO (240-22559-23), 078SB-0026M-0001-SO (240-22559-24), 078SB-0033-0001-SO (240-22559-25), 078SB-0030M-0001-SO (240-22559-27), 078SB-0031M-0001-SO (240-22559-28), 078SB-0032M-0001-SO (240-22559-29) and 078SB-0024M-0001-SO (240-22559-31) were analyzed for explosives with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance ISM, February 2012 and EPA SW-846 Method 8330B. The samples began the drying process on 03/28/2013, were prepared on 05/24/2013 and analyzed on 05/30/2013, 05/31/2013 and 06/01/2013. Sample 078SB-0033-0001-SO (240-22559-25) did not go through the incremental sample preparation process.

Although a hold time is not established for samples that have gone through the drying and grinding process, the recommended hold time for the SW846 8330B preparation and analysis is 14 days to extraction and 40 days to analyze after the extraction is performed. The request for analysis was made after the 14 day hold time had expired. All results are qualified accordingly.

3,4-Dinitrotoluene failed the surrogate recovery criteria high for 078SS-0002M-0001-SO (240-22559-2). Refer to the QC report for details.

Nitroglycerin failed the recovery criteria high for the MSD of sample 078SB-0015M-0001,0002-SOMSD (240-22559-13) in batch 320-17382. Nitroglycerin exceeded the rpd limit.

The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 17047 were outside control limits. This is attributed to: matrix interferences.

Surrogate recovery for the following sample was outside control limits: 078SS-0002M-0001-SO (240-22559-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Compound 3,4-Dinitrotoluene eluted outside the retention time window on the C-18 column for the following sample: 078SB-0023M-0001-SO (240-22559-22). This retention time shift was taken into account when reviewing the sample for target compounds.

Method(s) 8330B: The following sample(s) was prepared and/or analyzed outside the method defined holding time because the request for the test was made after the holding time for the sample expired 078SB-0004M-0001-SO (240-22559-4), 078SB-0005M-0001-SO (240-22559-5), 078SB-0006M-0001,0002-SO (240-22559-6), 078SB-0006M-0001,0002-SO (240-22559-6 MS), 078SB-0006M-0001,0002-SO (240-22559-6 MSD), 078SB-0008M-0001-SO (240-22559-8), 078SB-0009M-0001-SO (240-22559-10), 078SB-0011M-0001-SO (240-22559-11), 078SB-0012M-0001-SO (240-22559-12), 078SB-0013M-0001-SO (240-22559-19), 078SB-0015M-0001,0002-SO (240-22559-13), 078SB-0015M-0001,0002-SO (240-22559-13 MS), 078SB-0015M-0001,0002-SO (240-22559-13 MSD), 078SB-0017M-0001-SO (240-22559-15), 078SB-0018M-0001-SO (240-22559-16), 078SB-0020M-0001-SO (240-22559-17), 078SB-0021M-0001-SO (240-22559-18), 078SB-0023M-0001-SO (240-22559-22), 078SB-0024M-0001-SO (240-22559-31), 078SB-0025M-0001-SO (240-22559-23), 078SB-0026M-0001-SO (240-22559-24), 078SB-0030M-0001-SO (240-22559-27), 078SB-0031M-0001-SO (240-22559-28), 078SB-0032M-0001-SO (240-22559-29), 078SB-0033-0001-SO (240-22559-25), 078SS-0002M-0001-SO (240-22559-2), 078SS-0003M-0001-SO (240-22559-3), 078SS-0210M-0001-SO (240-22559-1). Batches 320-17034 and 320-17047

No other difficulties were encountered during the explosives analyses. All other quality control parameters were within the acceptance limits.

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC10 Analysis Batch Number: 14686Lab Sample ID: STD01 320-14686/2 IC Client Sample ID: _____Date Analyzed: 04/19/13 10:45 Lab File ID: S000003.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Amino-4,6-dinitrotoluene	16.80	Baseline	shafern	04/19/13 11:37
2-Nitrotoluene	22.11	Baseline	shafern	04/19/13 11:37
3-Nitrotoluene	25.58	Baseline	shafern	04/19/13 11:37

Lab Sample ID: STD02 320-14686/3 IC Client Sample ID: _____Date Analyzed: 04/19/13 11:29 Lab File ID: S000004.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.49	Baseline	shafern	04/19/13 13:16

Lab Sample ID: STD03 320-14686/4 IC Client Sample ID: _____Date Analyzed: 04/19/13 12:12 Lab File ID: S000005.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.48	Baseline	shafern	04/19/13 15:25

Lab Sample ID: STD04 320-14686/5 IC Client Sample ID: _____Date Analyzed: 04/19/13 12:56 Lab File ID: S000006.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.48	Baseline	shafern	04/19/13 15:26
3-Nitrotoluene	25.56	Baseline	shafern	04/19/13 15:26

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC10 Analysis Batch Number: 14686Lab Sample ID: ICRT 320-14686/7 Client Sample ID: _____Date Analyzed: 04/19/13 14:23 Lab File ID: S000008.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.43	Baseline	shafern	04/19/13 15:27

Lab Sample ID: STD07 320-14686/8 IC Client Sample ID: _____Date Analyzed: 04/19/13 15:07 Lab File ID: S000009.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Picric acid	8.40	Baseline	shafern	04/19/13 16:36

Lab Sample ID: LODV 320-14686/12 Client Sample ID: _____Date Analyzed: 04/19/13 18:02 Lab File ID: S000013.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene	13.93	Baseline	shafern	04/22/13 07:58
2-Nitrotoluene	22.24	Baseline	shafern	04/22/13 07:58
4-Nitrotoluene	23.88	Baseline	shafern	04/22/13 07:58

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC10 Analysis Batch Number: 17382Lab Sample ID: CCVL 320-17382/1 Client Sample ID: _____Date Analyzed: 05/30/13 15:08 Lab File ID: ZD000008.D GC Column: Synergi C18 ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitrotoluene	22.58	Split Peak	noonanr	05/31/13 07:07

Lab Sample ID: 240-22559-19 Client Sample ID: 078SB-0013M-0001-SODate Analyzed: 05/31/13 10:49 Lab File ID: ZD000035.D GC Column: _____ ID: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	16.45	Split Peak	noonanr	05/31/13 12:28

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC12 Analysis Batch Number: 17433Lab Sample ID: MB 320-17034/1-A Client Sample ID: _____Date Analyzed: 06/01/13 00:41 Lab File ID: ZE000014.D GC Column: Zorbax CN ID: 4.6 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	38.43	Split Peak	noonanr	06/03/13 07:55

SAMPLE SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-22559-1	078SS-0210M-0001-SO	Solid	03/26/2013 0940	03/27/2013 1808
240-22559-2	078SS-0002M-0001-SO	Solid	03/26/2013 1251	03/27/2013 1808
240-22559-3	078SS-0003M-0001-SO	Solid	03/26/2013 1335	03/27/2013 1808
240-22559-4	078SB-0004M-0001-SO	Solid	03/26/2013 1156	03/27/2013 1808
240-22559-5	078SB-0005M-0001-SO	Solid	03/26/2013 1159	03/27/2013 1808
240-22559-6	078SB-0006M-0001,0002-SO	Solid	03/26/2013 1105	03/27/2013 1808
240-22559-6MS	078SB-0006M-0001,0002-SO	Solid	03/26/2013 1105	03/27/2013 1808
240-22559-6MSD	078SB-0006M-0001,0002-SO	Solid	03/26/2013 1105	03/27/2013 1808
240-22559-8	078SB-0008M-0001-SO	Solid	03/26/2013 1006	03/27/2013 1808
240-22559-10	078SB-0009M-0001-SO	Solid	03/26/2013 1006	03/27/2013 1808
240-22559-11	078SB-0011M-0001-SO	Solid	03/26/2013 1201	03/27/2013 1808
240-22559-12	078SB-0012M-0001-SO	Solid	03/26/2013 1147	03/27/2013 1808
240-22559-13	078SB-0015M-0001,0002-SO	Solid	03/26/2013 1613	03/27/2013 1808
240-22559-13MS	078SB-0015M-0001,0002-SO	Solid	03/26/2013 1613	03/27/2013 1808
240-22559-13MSD	078SB-0015M-0001,0002-SO	Solid	03/26/2013 1613	03/27/2013 1808
240-22559-15	078SB-0017M-0001-SO	Solid	03/26/2013 1656	03/27/2013 1808
240-22559-16	078SB-0018M-0001-SO	Solid	03/26/2013 1656	03/27/2013 1808
240-22559-17	078SB-0020M-0001-SO	Solid	03/26/2013 1710	03/27/2013 1808
240-22559-18	078SB-0021M-0001-SO	Solid	03/26/2013 1753	03/27/2013 1808
240-22559-19	078SB-0013M-0001-SO	Solid	03/26/2013 1702	03/27/2013 1808
240-22559-22	078SB-0023M-0001-SO	Solid	03/26/2013 1537	03/27/2013 1808
240-22559-23	078SB-0025M-0001-SO	Solid	03/26/2013 1238	03/27/2013 1808
240-22559-24	078SB-0026M-0001-SO	Solid	03/26/2013 1238	03/27/2013 1808
240-22559-25	078SB-0033-0001-SO	Solid	03/26/2013 1242	03/27/2013 1808
240-22559-27	078SB-0030M-0001-SO	Solid	03/26/2013 1440	03/27/2013 1808
240-22559-28	078SB-0031M-0001-SO	Solid	03/26/2013 1505	03/27/2013 1808
240-22559-29	078SB-0032M-0001-SO	Solid	03/26/2013 1538	03/27/2013 1808
240-22559-31	078SB-0024M-0001-SO	Solid	03/26/2013 1535	03/27/2013 1808

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22559-1 Nitroglycerin	078SS-0210M-0001-SO	0.025	H J	0.50	mg/Kg	8330B

METHOD SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Nitroaromatics and Nitramines (HPLC)	TAL SAC	SW846 8330B	
Sonication Extraction (Explosives)	TAL SAC		SW846 8330B

Lab References:

TAL SAC = TestAmerica Sacramento

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Method	Analyst	Analyst ID
SW846 8330B	Noonan, Robyn	RN

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SS-0210M-0001-SO

Lab Sample ID: 240-22559-1

Date Sampled: 03/26/2013 0940

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.06 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/30/2013 1803			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.025	H J	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	94		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SS-0210M-0001-SO

Lab Sample ID: 240-22559-1

Date Sampled: 03/26/2013 0940

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.06 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0147			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	121	Q	78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SS-0002M-0001-SO

Lab Sample ID: 240-22559-2

Date Sampled: 03/26/2013 1251

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/30/2013 1847			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	190	Q	78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SS-0003M-0001-SO

Lab Sample ID: 240-22559-3

Date Sampled: 03/26/2013 1335

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/30/2013 1931			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	110		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SS-0003M-0001-SO

Lab Sample ID: 240-22559-3

Date Sampled: 03/26/2013 1335

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0253			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SS-0003M-0001-SO

Lab Sample ID: 240-22559-3

Date Sampled: 03/26/2013 1335

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0253			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	105		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0004M-0001-SO

Lab Sample ID: 240-22559-4

Date Sampled: 03/26/2013 1156

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.06 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/30/2013 2014			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	89		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0005M-0001-SO

Lab Sample ID: 240-22559-5

Date Sampled: 03/26/2013 1159

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/30/2013 2058			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	91		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0006M-0001,0002-SO

Lab Sample ID: 240-22559-6

Date Sampled: 03/26/2013 1105

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/30/2013 2142			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	96		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0008M-0001-SO

Lab Sample ID: 240-22559-8

Date Sampled: 03/26/2013 1006

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0037			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0009M-0001-SO

Lab Sample ID: 240-22559-10

Date Sampled: 03/26/2013 1006

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0120			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	90		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0011M-0001-SO

Lab Sample ID: 240-22559-11

Date Sampled: 03/26/2013 1201

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0204			Injection Volume:	500 uL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	90		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0011M-0001-SO

Lab Sample ID: 240-22559-11

Date Sampled: 03/26/2013 1201

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0400			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0011M-0001-SO

Lab Sample ID: 240-22559-11

Date Sampled: 03/26/2013 1201

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0400			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	1663	Q	78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0012M-0001-SO

Lab Sample ID: 240-22559-12

Date Sampled: 03/26/2013 1147

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0248			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	89		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0012M-0001-SO

Lab Sample ID: 240-22559-12

Date Sampled: 03/26/2013 1147

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0506			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0012M-0001-SO

Lab Sample ID: 240-22559-12

Date Sampled: 03/26/2013 1147

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17034	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0506			Injection Volume:	500 µL
Prep Date:	05/24/2013 0919			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	184	Q	78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0015M-0001,0002-SO

Lab Sample ID: 240-22559-13

Date Sampled: 03/26/2013 1613

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0459			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H J	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	94		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0017M-0001-SO

Lab Sample ID: 240-22559-15

Date Sampled: 03/26/2013 1656

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0754			Injection Volume:	500 uL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	94		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0018M-0001-SO

Lab Sample ID: 240-22559-16

Date Sampled: 03/26/2013 1656

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0837			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0020M-0001-SO

Lab Sample ID: 240-22559-17

Date Sampled: 03/26/2013 1710

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.06 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 0921			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0021M-0001-SO

Lab Sample ID: 240-22559-18

Date Sampled: 03/26/2013 1753

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.00 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1005			Injection Volume:	500 uL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	95		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0013M-0001-SO

Lab Sample ID: 240-22559-19

Date Sampled: 03/26/2013 1702

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1049			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	95	M	78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0023M-0001-SO

Lab Sample ID: 240-22559-22

Date Sampled: 03/26/2013 1537

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1806			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0025M-0001-SO

Lab Sample ID: 240-22559-23

Date Sampled: 03/26/2013 1238

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.02 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1216			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0026M-0001-SO

Lab Sample ID: 240-22559-24

Date Sampled: 03/26/2013 1238

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1300			Injection Volume:	500 uL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0026M-0001-SO

Lab Sample ID: 240-22559-24

Date Sampled: 03/26/2013 1238

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0826			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0026M-0001-SO

Lab Sample ID: 240-22559-24

Date Sampled: 03/26/2013 1238

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 0826			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0033-0001-SO

Lab Sample ID: 240-22559-25

Date Sampled: 03/26/2013 1242

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1344			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0030M-0001-SO

Lab Sample ID: 240-22559-27

Date Sampled: 03/26/2013 1440

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	9.99 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1428			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0030M-0001-SO

Lab Sample ID: 240-22559-27

Date Sampled: 03/26/2013 1440

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	9.99 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 1146			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0030M-0001-SO

Lab Sample ID: 240-22559-27

Date Sampled: 03/26/2013 1440

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17433	Instrument ID:	LC12
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	9.99 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	06/01/2013 1146			Injection Volume:	500 uL
Prep Date:	05/24/2013 1253			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	98		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0031M-0001-SO

Lab Sample ID: 240-22559-28

Date Sampled: 03/26/2013 1505

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.05 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1555			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0032M-0001-SO

Lab Sample ID: 240-22559-29

Date Sampled: 03/26/2013 1538

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.05 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1639			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	91		78 - 118

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Client Sample ID: 078SB-0024M-0001-SO

Lab Sample ID: 240-22559-31

Date Sampled: 03/26/2013 1535

Client Matrix: Solid

Date Received: 03/27/2013 1808

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-17382	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-17047	Initial Weight/Volume:	10.02 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	05/31/2013 1722			Injection Volume:	500 µL
Prep Date:	05/24/2013 1253			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroglycerin		0.25	U H	0.015	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	90		78 - 118

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Surrogate Recovery Report**8330B Nitroaromatics and Nitramines (HPLC)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DNT1 %Rec	DNT2 %Rec
240-22559-1	078SS-0210M-0001-S O	94	
240-22559-1	078SS-0210M-0001-S O		121Q
240-22559-2	078SS-0002M-0001-S O	190Q	
240-22559-3	078SS-0003M-0001-S O	110	
240-22559-3	078SS-0003M-0001-S O		105
240-22559-4	078SB-0004M-0001-S O	89	
240-22559-5	078SB-0005M-0001-S O	91	
240-22559-6	078SB-0006M-0001,0 002-SO	96	
240-22559-8	078SB-0008M-0001-S O	93	
240-22559-10	078SB-0009M-0001-S O	90	
240-22559-11	078SB-0011M-0001-S O	90	
240-22559-11	078SB-0011M-0001-S O		1663Q
240-22559-12	078SB-0012M-0001-S O	89	
240-22559-12	078SB-0012M-0001-S O		184Q
240-22559-13	078SB-0015M-0001,0 002-SO	94	
240-22559-15	078SB-0017M-0001-S O	94	
240-22559-16	078SB-0018M-0001-S O	93	
240-22559-17	078SB-0020M-0001-S O	92	

Surrogate

DNT = 3,4-Dinitrotoluene

Acceptance Limits

78-118

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Surrogate Recovery Report**8330B Nitroaromatics and Nitramines (HPLC)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DNT1 %Rec	DNT2 %Rec
240-22559-18	078SB-0021M-0001-S O	95	
240-22559-19	078SB-0013M-0001-S O	95M	
240-22559-22	078SB-0023M-0001-S O	93	
240-22559-23	078SB-0025M-0001-S O	92	
240-22559-24	078SB-0026M-0001-S O	92	
240-22559-24	078SB-0026M-0001-S O		97
240-22559-25	078SB-0033-0001-SO	92	
240-22559-27	078SB-0030M-0001-S O	92	
240-22559-27	078SB-0030M-0001-S O		98
240-22559-28	078SB-0031M-0001-S O	92	
240-22559-29	078SB-0032M-0001-S O	91	
240-22559-31	078SB-0024M-0001-S O	90	
MB 320-17034/1-A		91	
MB 320-17034/1-A			119M Q
MB 320-17047/1-A		94	
MB 320-17047/1-A			111
LCS 320-17034/2-A		90	
LCS 320-17047/2-A		91	
240-22559-6 MS	078SB-0006M-0001,0 002-SO MS	98	
240-22559-13 MS	078SB-0015M-0001,0 002-SO MS	95	
240-22559-6 MSD	078SB-0006M-0001,0 002-SO MSD	97	

Surrogate

Acceptance Limits

DNT = 3,4-Dinitrotoluene

78-118

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec	DNT2 %Rec
240-22559-13 MSD	078SB-0015M-0001,0 002-SO MSD	94	

Surrogate	Acceptance Limits
DNT = 3,4-Dinitrotoluene	78-118

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Method Blank - Batch: 320-17034

Method: 8330B
Preparation: 8330B

Lab Sample ID: MB 320-17034/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2013 1636
Prep Date: 05/24/2013 0919
Leach Date: N/A

Analysis Batch: 320-17382
Prep Batch: 320-17034
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LC10
Lab File ID: ZD000010.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 80 mL
Injection Volume: 500 µL
Column ID: PRIMARY

Analyte	Result	Qual	DL	LOQ
Nitroglycerin	0.25	U	0.015	0.50
Surrogate	% Rec		Acceptance Limits	
3,4-Dinitrotoluene	91		78 - 118	
Surrogate	% Rec		Acceptance Limits	
3,4-Dinitrotoluene	119	M Q	78 - 118	

Lab Control Sample - Batch: 320-17034

Method: 8330B
Preparation: 8330B

Lab Sample ID: LCS 320-17034/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/30/2013 1719
Prep Date: 05/24/2013 0919
Leach Date: N/A

Analysis Batch: 320-17382
Prep Batch: 320-17034
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LC10
Lab File ID: ZD000011.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 80 mL
Injection Volume: 500 µL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroglycerin	1.00	0.967	97	76 - 116	
Surrogate	% Rec		Acceptance Limits		
3,4-Dinitrotoluene	90		78 - 118		

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 320-17034

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-22559-6	Analysis Batch:	320-17382	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-17034	Lab File ID:	ZD000018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.05 g
Analysis Date:	05/30/2013 2225			Final Weight/Volume:	80 mL
Prep Date:	05/24/2013 0919			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-22559-6	Analysis Batch:	320-17382	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-17034	Lab File ID:	ZD000020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.01 g
Analysis Date:	05/30/2013 2353			Final Weight/Volume:	80 mL
Prep Date:	05/24/2013 0919			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitroglycerin	98	99	76 - 116	1	20	H	H
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
3,4-Dinitrotoluene	98		97	78 - 118			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 320-17034

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-22559-6	Units:	mg/Kg	MSD Lab Sample ID:	240-22559-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/30/2013 2225			Analysis Date:	05/30/2013 2353
Prep Date:	05/24/2013 0919			Prep Date:	05/24/2013 0919
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitroglycerin	0.25 U	0.995	0.999	0.971 H	0.985 H

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Method Blank - Batch: 320-17047

Method: 8330B
Preparation: 8330B

Lab Sample ID: MB 320-17047/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 0331
Prep Date: 05/24/2013 1253
Leach Date: N/A

Analysis Batch: 320-17382
Prep Batch: 320-17047
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LC10
Lab File ID: ZD000025.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 80 mL
Injection Volume: 500 uL
Column ID: PRIMARY

Analyte	Result	Qual	DL	LOQ
Nitroglycerin	0.25	U	0.015	0.50
Surrogate	% Rec		Acceptance Limits	
3,4-Dinitrotoluene	94		78 - 118	
Surrogate	% Rec		Acceptance Limits	
3,4-Dinitrotoluene	111		78 - 118	

Lab Control Sample - Batch: 320-17047

Method: 8330B
Preparation: 8330B

Lab Sample ID: LCS 320-17047/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/31/2013 0415
Prep Date: 05/24/2013 1253
Leach Date: N/A

Analysis Batch: 320-17382
Prep Batch: 320-17047
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LC10
Lab File ID: ZD000026.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 80 mL
Injection Volume: 500 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroglycerin	1.00	0.961	96	76 - 116	
Surrogate	% Rec		Acceptance Limits		
3,4-Dinitrotoluene	91		78 - 118		

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-17047**

**Method: 8330B
Preparation: 8330B**

MS Lab Sample ID:	240-22559-13	Analysis Batch:	320-17382	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-17047	Lab File ID:	ZD000028.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.07 g
Analysis Date:	05/31/2013 0543			Final Weight/Volume:	80 mL
Prep Date:	05/24/2013 1253			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-22559-13	Analysis Batch:	320-17382	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-17047	Lab File ID:	ZD000029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.05 g
Analysis Date:	05/31/2013 0626			Final Weight/Volume:	80 mL
Prep Date:	05/24/2013 1253			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitroglycerin	96	123	76 - 116	25	20	H	H J
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
3,4-Dinitrotoluene	95		94	78 - 118			

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-17047**

**Method: 8330B
Preparation: 8330B**

MS Lab Sample ID:	240-22559-13	Units:	mg/Kg	MSD Lab Sample ID:	240-22559-13
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/31/2013 0543			Analysis Date:	05/31/2013 0626
Prep Date:	05/24/2013 1253			Prep Date:	05/24/2013 1253
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample		MS Spike	MSD Spike	MS		MSD
	Result/Qual		Amount	Amount	Result/Qual		Result/Qual
Nitroglycerin	0.25	U	0.993	0.995	0.949	H	1.22 H J

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Lab Section	Qualifier	Description
HPLC/IC	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	H	Sample was prepped or analyzed beyond the specified holding time
	U	Undetected at the Limit of Detection.

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-17034					
LCS 320-17034/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-17034/1-A	Method Blank	T	Solid	8330B	
240-22559-1	078SS-0210M-0001-SO	T	Solid	8330B	
240-22559-2	078SS-0002M-0001-SO	T	Solid	8330B	
240-22559-3	078SS-0003M-0001-SO	T	Solid	8330B	
240-22559-4	078SB-0004M-0001-SO	T	Solid	8330B	
240-22559-5	078SB-0005M-0001-SO	T	Solid	8330B	
240-22559-6	078SB-0006M-0001,0002-SO	T	Solid	8330B	
240-22559-6MS	Matrix Spike	T	Solid	8330B	
240-22559-6MSD	Matrix Spike Duplicate	T	Solid	8330B	
240-22559-8	078SB-0008M-0001-SO	T	Solid	8330B	
240-22559-10	078SB-0009M-0001-SO	T	Solid	8330B	
240-22559-11	078SB-0011M-0001-SO	T	Solid	8330B	
240-22559-12	078SB-0012M-0001-SO	T	Solid	8330B	
Prep Batch: 320-17047					
LCS 320-17047/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-17047/1-A	Method Blank	T	Solid	8330B	
240-22559-13	078SB-0015M-0001,0002-SO	T	Solid	8330B	
240-22559-13MS	Matrix Spike	T	Solid	8330B	
240-22559-13MSD	Matrix Spike Duplicate	T	Solid	8330B	
240-22559-15	078SB-0017M-0001-SO	T	Solid	8330B	
240-22559-16	078SB-0018M-0001-SO	T	Solid	8330B	
240-22559-17	078SB-0020M-0001-SO	T	Solid	8330B	
240-22559-18	078SB-0021M-0001-SO	T	Solid	8330B	
240-22559-19	078SB-0013M-0001-SO	T	Solid	8330B	
240-22559-22	078SB-0023M-0001-SO	T	Solid	8330B	
240-22559-23	078SB-0025M-0001-SO	T	Solid	8330B	
240-22559-24	078SB-0026M-0001-SO	T	Solid	8330B	
240-22559-25	078SB-0033-0001-SO	T	Solid	8330B	
240-22559-27	078SB-0030M-0001-SO	T	Solid	8330B	
240-22559-28	078SB-0031M-0001-SO	T	Solid	8330B	
240-22559-29	078SB-0032M-0001-SO	T	Solid	8330B	
240-22559-31	078SB-0024M-0001-SO	T	Solid	8330B	

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
HPLC/IC					
Analysis Batch:320-17382					
LCS 320-17034/2-A	Lab Control Sample	T	Solid	8330B	320-17034
MB 320-17034/1-A	Method Blank	T	Solid	8330B	320-17034
LCS 320-17047/2-A	Lab Control Sample	T	Solid	8330B	320-17047
MB 320-17047/1-A	Method Blank	T	Solid	8330B	320-17047
240-22559-1	078SS-0210M-0001-SO	T	Solid	8330B	320-17034
240-22559-2	078SS-0002M-0001-SO	T	Solid	8330B	320-17034
240-22559-3	078SS-0003M-0001-SO	T	Solid	8330B	320-17034
240-22559-4	078SB-0004M-0001-SO	T	Solid	8330B	320-17034
240-22559-5	078SB-0005M-0001-SO	T	Solid	8330B	320-17034
240-22559-6	078SB-0006M-0001,0002-SO	T	Solid	8330B	320-17034
240-22559-6MS	Matrix Spike	T	Solid	8330B	320-17034
240-22559-6MSD	Matrix Spike Duplicate	T	Solid	8330B	320-17034
240-22559-8	078SB-0008M-0001-SO	T	Solid	8330B	320-17034
240-22559-10	078SB-0009M-0001-SO	T	Solid	8330B	320-17034
240-22559-11	078SB-0011M-0001-SO	T	Solid	8330B	320-17034
240-22559-12	078SB-0012M-0001-SO	T	Solid	8330B	320-17034
240-22559-13	078SB-0015M-0001,0002-SO	T	Solid	8330B	320-17047
240-22559-13MS	Matrix Spike	T	Solid	8330B	320-17047
240-22559-13MSD	Matrix Spike Duplicate	T	Solid	8330B	320-17047
240-22559-15	078SB-0017M-0001-SO	T	Solid	8330B	320-17047
240-22559-16	078SB-0018M-0001-SO	T	Solid	8330B	320-17047
240-22559-17	078SB-0020M-0001-SO	T	Solid	8330B	320-17047
240-22559-18	078SB-0021M-0001-SO	T	Solid	8330B	320-17047
240-22559-19	078SB-0013M-0001-SO	T	Solid	8330B	320-17047
240-22559-22	078SB-0023M-0001-SO	T	Solid	8330B	320-17047
240-22559-23	078SB-0025M-0001-SO	T	Solid	8330B	320-17047
240-22559-24	078SB-0026M-0001-SO	T	Solid	8330B	320-17047
240-22559-25	078SB-0033-0001-SO	T	Solid	8330B	320-17047
240-22559-27	078SB-0030M-0001-SO	T	Solid	8330B	320-17047
240-22559-28	078SB-0031M-0001-SO	T	Solid	8330B	320-17047
240-22559-29	078SB-0032M-0001-SO	T	Solid	8330B	320-17047
240-22559-31	078SB-0024M-0001-SO	T	Solid	8330B	320-17047
Analysis Batch:320-17433					
MB 320-17034/1-A	Method Blank	T	Solid	8330B	320-17034
MB 320-17047/1-A	Method Blank	T	Solid	8330B	320-17047
240-22559-1	078SS-0210M-0001-SO	T	Solid	8330B	320-17034
240-22559-3	078SS-0003M-0001-SO	T	Solid	8330B	320-17034
240-22559-11	078SB-0011M-0001-SO	T	Solid	8330B	320-17034
240-22559-12	078SB-0012M-0001-SO	T	Solid	8330B	320-17034
240-22559-24	078SB-0026M-0001-SO	T	Solid	8330B	320-17047
240-22559-27	078SB-0030M-0001-SO	T	Solid	8330B	320-17047

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Report Basis

T = Total

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Laboratory Chronicle

Lab ID: 240-22559-1

Client ID: 078SS-0210M-0001-SO

Sample Date/Time: 03/26/2013 09:40

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-1-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-1-D		320-17382	320-17034	05/30/2013 18:03	1	TAL SAC	RN
P:8330B	240-22559-F-1-D		320-17433	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-1-D		320-17433	320-17034	06/01/2013 01:47	1	TAL SAC	RN

Lab ID: 240-22559-2

Client ID: 078SS-0002M-0001-SO

Sample Date/Time: 03/26/2013 12:51

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-2-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-2-D		320-17382	320-17034	05/30/2013 18:47	1	TAL SAC	RN

Lab ID: 240-22559-3

Client ID: 078SS-0003M-0001-SO

Sample Date/Time: 03/26/2013 13:35

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-3-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-3-D		320-17382	320-17034	05/30/2013 19:31	1	TAL SAC	RN
P:8330B	240-22559-F-3-D		320-17433	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-3-D		320-17433	320-17034	06/01/2013 02:53	1	TAL SAC	RN

Lab ID: 240-22559-4

Client ID: 078SB-0004M-0001-SO

Sample Date/Time: 03/26/2013 11:56

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-C-4-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-C-4-D		320-17382	320-17034	05/30/2013 20:14	1	TAL SAC	RN

Lab ID: 240-22559-5

Client ID: 078SB-0005M-0001-SO

Sample Date/Time: 03/26/2013 11:59

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-C-5-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-C-5-D		320-17382	320-17034	05/30/2013 20:58	1	TAL SAC	RN

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Laboratory Chronicle

Lab ID: 240-22559-6

Client ID: 078SB-0006M-0001,0002-SO

Sample Date/Time: 03/26/2013 11:05

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-Q-6-J		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-Q-6-J		320-17382	320-17034	05/30/2013 21:42	1	TAL SAC	RN

Lab ID: 240-22559-6

Client ID: 078SB-0006M-0001,0002-SO

Sample Date/Time: 03/26/2013 11:05

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-B-6-B MS		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-B-6-B MS		320-17382	320-17034	05/30/2013 22:25	1	TAL SAC	RN

Lab ID: 240-22559-6

Client ID: 078SB-0006M-0001,0002-SO

Sample Date/Time: 03/26/2013 11:05

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-A-6-D MSD		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-A-6-D MSD		320-17382	320-17034	05/30/2013 23:53	1	TAL SAC	RN

Lab ID: 240-22559-8

Client ID: 078SB-0008M-0001-SO

Sample Date/Time: 03/26/2013 10:06

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-8-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-8-D		320-17382	320-17034	05/31/2013 00:37	1	TAL SAC	RN

Lab ID: 240-22559-10

Client ID: 078SB-0009M-0001-SO

Sample Date/Time: 03/26/2013 10:06

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-10-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-10-D		320-17382	320-17034	05/31/2013 01:20	1	TAL SAC	RN

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Laboratory Chronicle

Lab ID: 240-22559-11

Client ID: 078SB-0011M-0001-SO

Sample Date/Time: 03/26/2013 12:01

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-11-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-11-D		320-17382	320-17034	05/31/2013 02:04	1	TAL SAC	RN
P:8330B	240-22559-F-11-D		320-17433	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-11-D		320-17433	320-17034	06/01/2013 04:00	1	TAL SAC	RN

Lab ID: 240-22559-12

Client ID: 078SB-0012M-0001-SO

Sample Date/Time: 03/26/2013 11:47

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-12-D		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-12-D		320-17382	320-17034	05/31/2013 02:48	1	TAL SAC	RN
P:8330B	240-22559-F-12-D		320-17433	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	240-22559-F-12-D		320-17433	320-17034	06/01/2013 05:06	1	TAL SAC	RN

Lab ID: 240-22559-13

Client ID: 078SB-0015M-0001,0002-SO

Sample Date/Time: 03/26/2013 16:13

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-P-13-A		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-P-13-A		320-17382	320-17047	05/31/2013 04:59	1	TAL SAC	RN

Lab ID: 240-22559-13

Client ID: 078SB-0015M-0001,0002-SO

Sample Date/Time: 03/26/2013 16:13

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-B-13-B MS		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-B-13-B MS		320-17382	320-17047	05/31/2013 05:43	1	TAL SAC	RN

Lab ID: 240-22559-13

Client ID: 078SB-0015M-0001,0002-SO

Sample Date/Time: 03/26/2013 16:13

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-B-13-C MSD		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-B-13-C MSD		320-17382	320-17047	05/31/2013 06:26	1	TAL SAC	RN

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Laboratory Chronicle

Lab ID: 240-22559-15

Client ID: 078SB-0017M-0001-SO

Sample Date/Time: 03/26/2013 16:56

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-15-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-15-D		320-17382	320-17047	05/31/2013 07:54	1	TAL SAC	RN

Lab ID: 240-22559-16

Client ID: 078SB-0018M-0001-SO

Sample Date/Time: 03/26/2013 16:56

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-16-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-16-D		320-17382	320-17047	05/31/2013 08:37	1	TAL SAC	RN

Lab ID: 240-22559-17

Client ID: 078SB-0020M-0001-SO

Sample Date/Time: 03/26/2013 17:10

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-17-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-17-D		320-17382	320-17047	05/31/2013 09:21	1	TAL SAC	RN

Lab ID: 240-22559-18

Client ID: 078SB-0021M-0001-SO

Sample Date/Time: 03/26/2013 17:53

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-18-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-18-D		320-17382	320-17047	05/31/2013 10:05	1	TAL SAC	RN

Lab ID: 240-22559-19

Client ID: 078SB-0013M-0001-SO

Sample Date/Time: 03/26/2013 17:02

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-C-19-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-C-19-D		320-17382	320-17047	05/31/2013 10:49	1	TAL SAC	RN

Lab ID: 240-22559-22

Client ID: 078SB-0023M-0001-SO

Sample Date/Time: 03/26/2013 15:37

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-C-22-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-C-22-D		320-17382	320-17047	05/31/2013 18:06	1	TAL SAC	RN

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Laboratory Chronicle

Lab ID: 240-22559-23

Client ID: 078SB-0025M-0001-SO

Sample Date/Time: 03/26/2013 12:38

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-23-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-23-D		320-17382	320-17047	05/31/2013 12:16	1	TAL SAC	RN

Lab ID: 240-22559-24

Client ID: 078SB-0026M-0001-SO

Sample Date/Time: 03/26/2013 12:38

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-24-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-24-D		320-17382	320-17047	05/31/2013 13:00	1	TAL SAC	RN
P:8330B	240-22559-F-24-D		320-17433	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-24-D		320-17433	320-17047	06/01/2013 08:26	1	TAL SAC	RN

Lab ID: 240-22559-25

Client ID: 078SB-0033-0001-SO

Sample Date/Time: 03/26/2013 12:42

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-25-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-25-D		320-17382	320-17047	05/31/2013 13:44	1	TAL SAC	RN

Lab ID: 240-22559-27

Client ID: 078SB-0030M-0001-SO

Sample Date/Time: 03/26/2013 14:40

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-27-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-27-D		320-17382	320-17047	05/31/2013 14:28	1	TAL SAC	RN
P:8330B	240-22559-F-27-D		320-17433	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-27-D		320-17433	320-17047	06/01/2013 11:46	1	TAL SAC	RN

Lab ID: 240-22559-28

Client ID: 078SB-0031M-0001-SO

Sample Date/Time: 03/26/2013 15:05

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-28-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-28-D		320-17382	320-17047	05/31/2013 15:55	1	TAL SAC	RN

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Laboratory Chronicle

Lab ID: 240-22559-29

Client ID: 078SB-0032M-0001-SO

Sample Date/Time: 03/26/2013 15:38

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-F-29-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-F-29-D		320-17382	320-17047	05/31/2013 16:39	1	TAL SAC	RN

Lab ID: 240-22559-31

Client ID: 078SB-0024M-0001-SO

Sample Date/Time: 03/26/2013 15:35

Received Date/Time: 03/27/2013 18:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	240-22559-C-31-D		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	240-22559-C-31-D		320-17382	320-17047	05/31/2013 17:22	1	TAL SAC	RN

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	MB 320-17034/1-A		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	MB 320-17034/1-A		320-17382	320-17034	05/30/2013 16:36	1	TAL SAC	RN
P:8330B	MB 320-17047/1-A		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	MB 320-17047/1-A		320-17382	320-17047	05/31/2013 03:31	1	TAL SAC	RN
P:8330B	MB 320-17034/1-A		320-17433	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	MB 320-17034/1-A		320-17433	320-17034	06/01/2013 00:41	1	TAL SAC	RN
P:8330B	MB 320-17047/1-A		320-17433	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	MB 320-17047/1-A		320-17433	320-17047	06/01/2013 06:13	1	TAL SAC	RN

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	LCS 320-17034/2-A		320-17382	320-17034	05/24/2013 09:19	1	TAL SAC	HA
A:8330B	LCS 320-17034/2-A		320-17382	320-17034	05/30/2013 17:19	1	TAL SAC	RN
P:8330B	LCS 320-17047/2-A		320-17382	320-17047	05/24/2013 12:53	1	TAL SAC	HA
A:8330B	LCS 320-17047/2-A		320-17382	320-17047	05/31/2013 04:15	1	TAL SAC	RN

Lab References:

TAL SAC = TestAmerica Sacramento

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP8330IC_00007	05/31/13	06/13/12	25% 0.1%HOAc in ACN, Lot 4457-73G	10 mL	HPNGTA_00013	50 uL	Nitroglycerin	500 ng/mL
.HPNGTA_00013	03/28/14		Accustandard, Lot 212031351		(Purchased Reagent)		Nitroglycerin	100 ug/mL
HP8330ICL_00003	05/11/13	12/11/12	25:75 HOAc/ACN, Lot 4457-69F	50 mL	HP34DNTSU_00008	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HPNGPETNSP_00001	20 uL	Nitroglycerin	20 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol 00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
HP8330ICL_00005	09/13/13	04/19/13	25:75 HOAc/ACN, Lot 4457-91F	50 mL	HP34DNTSU_00013	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HPNGPETNSP_00006	20 uL	Nitroglycerin	20 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol 00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
HP8330ICL_00006	09/13/13	04/22/13	25:75 HOAc/ACN, Lot 4457-91F	50 mL	HP34DNTSU_00013	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HPNGPETNSP_00006	20 uL	Nitroglycerin	20 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol 00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
HP8330L1_00005	05/04/13	08/29/12	25% 1%HOAc in ACN 75, Lot 4457-51G	50 mL	HP8330L4_00004	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							HMX	5 ng/mL
							m-Nitrotoluene	5 ng/mL
							Nitrobenzene	5 ng/mL
							o-Nitrotoluene	5 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento

Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Nitrotoluene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
.HP8330L4_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00011	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							HMX	50 ng/mL
							m-Nitrotoluene	50 ng/mL
							Nitrobenzene	50 ng/mL
							o-Nitrotoluene	50 ng/mL
							p-Nitrotoluene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
..HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
HP8330L1_00007	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP8330L4_00007	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							HMX	5 ng/mL
							m-Nitrotoluene	5 ng/mL
							Nitrobenzene	5 ng/mL
							o-Nitrotoluene	5 ng/mL
							p-Nitrotoluene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
							Ethylene glycol dinitrate	5 ng/mL
							Nitroglycerin	5 ng/mL
PETN	5 ng/mL							
.HP8330L4_00007	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP34DNTSU_00013	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00016	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							HMX	50 ng/mL
							m-Nitrotoluene	50 ng/mL
							Nitrobenzene	50 ng/mL
							o-Nitrotoluene	50 ng/mL
							p-Nitrotoluene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNISP_00007	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGPETNSP_00006	50 uL	Nitroglycerin	50 ng/mL
PETN	50 ng/mL							
HPPASP 00010	100 uL	2,4,6-Trinitrophenol	100 ng/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
..HPEGDNISP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	15 mL	HPEGDNATA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
...HPEGDNATA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
..HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
...HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
...HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
..HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
...HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L2_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	10 uL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00011	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							HMX	10 ng/mL
							m-Nitrotoluene	10 ng/mL
							Nitrobenzene	10 ng/mL
							o-Nitrotoluene	10 ng/mL
							p-Nitrotoluene	10 ng/mL
							RDX	10 ng/mL
							Tetryl	10 ng/mL
.HP34DNDSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SF_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
HP8330L2_00006	09/13/13	04/19/13	25% 0.1%HOAc in ACN, Lot 4457-93G	50 mL	HP34DNDSU_00013	10 uL	3,4-Dinitrotoluene	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HP8330SP_00016	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							HMX	10 ng/mL
							m-Nitrotoluene	10 ng/mL
							Nitrobenzene	10 ng/mL
							o-Nitrotoluene	10 ng/mL
							p-Nitrotoluene	10 ng/mL
RDX	10 ng/mL							
Tetryl	10 ng/mL							
	HPEGDNSP_00007	10 uL	Ethylene glycol dinitrate	10 ng/mL				
	HPNGPETNSP_00006	10 uL	Nitroglycerin	10 ng/mL				
			PETN	10 ng/mL				
	HPPASP_00010	20 uL	2,4,6-Trinitrophenol	20 ng/mL				
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17	Restek, Lot A088938			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16	Restek, Lot A090823			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	15 mL	HPEGDNNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L3_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNNTSU_00009	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00011	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL
							HMX	20 ng/mL
							m-Nitrotoluene	20 ng/mL
							Nitrobenzene	20 ng/mL
							o-Nitrotoluene	20 ng/mL
							p-Nitrotoluene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNSP_00005	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGPETNSP_00001	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNNTA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNTP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPEGDNTP_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTP_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L3_00006	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP34DNTPSU_00013	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00016	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL
							HMX	20 ng/mL
							m-Nitrotoluene	20 ng/mL
							Nitrobenzene	20 ng/mL
							o-Nitrotoluene	20 ng/mL
							p-Nitrotoluene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNTP_00007	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGPETNSP_00006	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HPPASP_00010	50 uL	2,4,6-Trinitrophenol	50 ng/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
					HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	15 mL	HPEGDNATA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNATA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L4_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00009	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00011	50 uL	3,5-Dinitroaniline	50 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							HMX	50 ng/mL
							m-Nitrotoluene	50 ng/mL
							Nitrobenzene	50 ng/mL
							o-Nitrotoluene	50 ng/mL
							p-Nitrotoluene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00005	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGPETNSP_00001	50 uL	Nitroglycerin	50 ng/mL
							PETN	50 ng/mL
.HP34DNSTU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPEGDNNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L4_00007	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	50 mL	HP34DNNTSU_00013	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00016	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							HMX	50 ng/mL
							m-Nitrotoluene	50 ng/mL
							Nitrobenzene	50 ng/mL
							o-Nitrotoluene	50 ng/mL
							p-Nitrotoluene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNNTSP_00007	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGPETNSP_00006	50 uL	Nitroglycerin	50 ng/mL
							PETN	50 ng/mL
					HPPASP_00010	100 uL	2,4,6-Trinitrophenol	100 ng/mL
.HP34DNNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNNTA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento

Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		Tetryl	50 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	15 mL	HPEGDNNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L5_00008	05/04/13	01/23/13	25% 1%HoAC in ACN 75, Lot 4457-63F	100 mL	HP34DNTSU_00009	200 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00013	200 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							HMX	100 ng/mL
							m-Nitrotoluene	100 ng/mL
							Nitrobenzene	100 ng/mL
							o-Nitrotoluene	100 ng/mL
							p-Nitrotoluene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00005	200 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGPETNSP_00002	200 uL	Nitroglycerin	100 ng/mL
							PETN	100 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00013	07/23/13	01/23/13	Acetonitrile, Lot 732	50 mL	HP35DNATA_00012	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00011	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00012	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00011	04/30/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNTP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPEGDNTP_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTP_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00002	07/22/13	01/22/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00014	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00012	1.25 mL	PETN	50 ug/mL
..HPNGTA_00014	07/22/13		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00012	07/22/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00016	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	200 mL	HP34DNTSU_00013	400 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00016	400 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							HMX	100 ng/mL
							m-Nitrotoluene	100 ng/mL
							Nitrobenzene	100 ng/mL
							o-Nitrotoluene	100 ng/mL
							p-Nitrotoluene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00007	400 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGPETNSP_00006	400 uL	Nitroglycerin	100 ng/mL
							PETN	100 ng/mL
					HPPASP_00010	1000 uL	2,4,6-Trinitrophenol	250 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	15 mL	HPEGDNNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L6_00008	05/04/13	01/23/13	25% 0.1%HoAC in ACN, Lot 4457-63F	100 mL	HP34DNTSU_00009	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00013	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							HMX	200 ng/mL
							m-Nitrotoluene	200 ng/mL
							Nitrobenzene	200 ng/mL
							o-Nitrotoluene	200 ng/mL
							p-Nitrotoluene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNSP_00005	400 uL	Ethylene glycol dinitrate	200 ng/mL
					HPNGPETNSP_00002	400 uL	Nitroglycerin	200 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile_00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00013	07/23/13	01/23/13	Acetonitrile, Lot 732	50 mL	HP35DNATA_00012	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00011	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP35DNATA_00012	01/31/17		Restek, Lot A088938		(Purchased Reagent)		Tetryl	50 ug/mL
..HP8330TA_00011	04/30/16		Restek, Lot A090823		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPEGDNNTA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00002	07/22/13	01/22/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00014	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00012	1.25 mL	PETN	50 ug/mL
..HPNGTA_00014	07/22/13		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00012	07/22/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L6_00011	09/13/13	04/19/13	25% 0.1%HoAc in ACN, Lot 4457-93G	100 mL	HP34DNNTSU_00013	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00016	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							HMX	200 ng/mL
							m-Nitrotoluene	200 ng/mL
							Nitrobenzene	200 ng/mL
							o-Nitrotoluene	200 ng/mL
							p-Nitrotoluene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNNTSU_00007	400 uL	Ethylene glycol dinitrate	200 ng/mL
					HPNGPETNSP_00006	400 uL	Nitroglycerin	200 ng/mL
							PETN	200 ng/mL
.HP34DNNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HPPASP_00010	1000 uL	2,4,6-Trinitrophenol	500 ng/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
					(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento

Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17	Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL	
..HP8330TA_00012	04/13/16	Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL	
						1,3-Dinitrobenzene	1000 ug/mL	
						2,4,6-Trinitrotoluene	1000 ug/mL	
						2,4-Dinitrotoluene	1000 ug/mL	
						2,6-Dinitrotoluene	1000 ug/mL	
						2-Amino-4,6-dinitrotoluene	1000 ug/mL	
						4-Amino-2,6-dinitrotoluene	1000 ug/mL	
						HMX	1000 ug/mL	
						m-Nitrotoluene	1000 ug/mL	
						Nitrobenzene	1000 ug/mL	
						o-Nitrotoluene	1000 ug/mL	
						p-Nitrotoluene	1000 ug/mL	
						RDX	1000 ug/mL	
						Tetryl	1000 ug/mL	
						.HPEGDNSP_00007	10/01/13	04/01/13
..HPEGDNATA_00005	01/01/17	Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL	
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17	Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL	
..HPPETNTA_00015	06/01/17	Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL	
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17	restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL	
HP8330L7_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00009	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00011	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							HMX	500 ng/mL
							m-Nitrotoluene	500 ng/mL
							Nitrobenzene	500 ng/mL
							o-Nitrotoluene	500 ng/mL
							p-Nitrotoluene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00005	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGPETNSP_00001	250 uL	Nitroglycerin	500 ng/mL
							PETN	500 ng/mL
.HP34DNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNATA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPEGDNATA_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPEGDNATA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L7_00006	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	25 mL	HP34DNTSU_00013	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00016	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							HMX	500 ng/mL
							m-Nitrotoluene	500 ng/mL
							Nitrobenzene	500 ng/mL
							o-Nitrotoluene	500 ng/mL
							p-Nitrotoluene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00007	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGPETNSP_00006	250 uL	Nitroglycerin	500 ng/mL
							PETN	500 ng/mL
					HPPASP_00010	500 uL	2,4,6-Trinitrophenol	1000 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	15 mL	HPEGDNNTA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNNTA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HP8330L8_00004	05/04/13	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNNTSU_00009	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00011	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							m-Nitrotoluene	1000 ng/mL
							Nitrobenzene	1000 ng/mL
							o-Nitrotoluene	1000 ng/mL
							p-Nitrotoluene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00005	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGPETNSP_00001	500 uL	Nitroglycerin	1000 ng/mL
							PETN	1000 ng/mL
.HP34DNNTSU_00009	05/18/13	12/18/12	Acetonitrile, Lot Acetonitrile 00001	50 mL	HP8330SU_00009	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00009	03/31/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP35DNNTA_00010	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00010	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNTP_00005	05/04/13	12/04/12	Acetonitrile, Lot Acetonitrile 00004	25 mL	HPEGDNTP_00005	1.25 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTP_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L8_00006	09/13/13	04/19/13	25% 0.1%HoAC in ACN, Lot 4457-93G	25 mL	HP34DNTPSU_00013	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00016	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							m-Nitrotoluene	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ng/mL
							o-Nitrotoluene	1000 ng/mL
							p-Nitrotoluene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00007	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGPETNSP_00006	500 uL	Nitroglycerin	1000 ng/mL
							PETN	1000 ng/mL
					HPPASP_00010	1000 uL	2,4,6-Trinitrophenol	2000 ng/mL
.HP34DNTSU_00013	09/13/13	04/13/13	Acetonitrile, Lot 0000000516	50 mL	HP8330SU_00012	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00012	03/01/17		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00016	10/18/13	04/18/13	Acetonitrile, Lot 18114	50 mL	HP35DNATA_00013	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00012	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							HMX	50 ug/mL
							m-Nitrotoluene	50 ug/mL
							Nitrobenzene	50 ug/mL
							o-Nitrotoluene	50 ug/mL
							p-Nitrotoluene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00013	01/31/17		Restek, Lot A088938		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00012	04/13/16		Restek, Lot A090823		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							m-Nitrotoluene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Nitrotoluene	1000 ug/mL
							p-Nitrotoluene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00007	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile 00004	15 mL	HPEGDNATA_00005	0.75 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNATA_00005	01/01/17		Restek, Lot A085885		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL
.HPPASP_00010	10/01/13	04/01/13	Acetonitrile, Lot Acetonitrile_00004	25 mL	HPPATA_00007	1.25 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00007	01/04/17		restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
HPNGPETNSP_00006	09/14/13	04/13/13	Methanol, Lot Methanol_00004	25 mL	HPNGTA_00016	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00015	1.25 mL	PETN	50 ug/mL
.HPNGTA_00016	03/01/17		Restek, Lot A087039		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00015	06/01/17		Restek, Lot A088943		(Purchased Reagent)		PETN	1000 ug/mL



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rec'd 8/28/12 RAN

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31661 Lot No.: A085338
Description : 3,5-Dinitroaniline Standard
SV Stock Solution, 3,5-Dinitroaniline Std, 1000µg/ml, Acetonitrile,
1ml/ampule
Container Size : ⁵ 2 mL Pkg Amt: ⁵ > 1 mL
Expiration Date : ¹ July 2016 Storage: 10°C or colder

Elution Order	Compound	CAS #	Percent Purity ²	Grav. Conc. ³ (weight/volume)	Grav. Uncert. ⁴ (95% C.L.; K=2)
I	3,5-Dinitroaniline	618-87-1	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

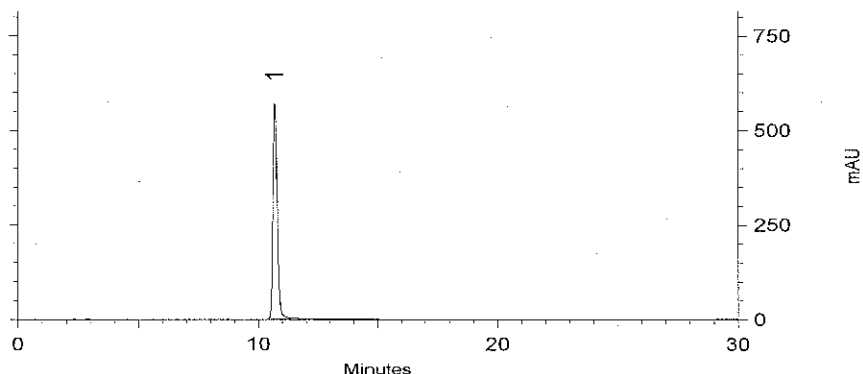
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer
Diane Shaffer - QA Analyst

Date Passed: 02-Dec-2011

Balance: 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

- 1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.
- 2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.
- 2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
- 2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.
- 2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
- 3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.
- 4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.
- 5A Containers are overfilled to ensure the packaged amount, as a minimum.
- 5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rev'd 8/28/12 RM



Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31452 Lot No.: A087054
Description : 8330 Internal Standard Mix
8330 Internal Std 3, 4-Dinitrotoluene 1000ug/mL, Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : March 2017 Storage: 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	3,4-Dinitrotoluene	1,000.0 ug/mL	+/-	5.9397	ug/mL	Gravimetric
	CAS # 610-39-9		+/-	12.1149	ug/mL	Unstressed
	Purity 99%		+/-	13.6550	ug/mL	Stressed
Solvent:	Methanol					
	CAS # 67-56-1					
	Purity 99%					

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

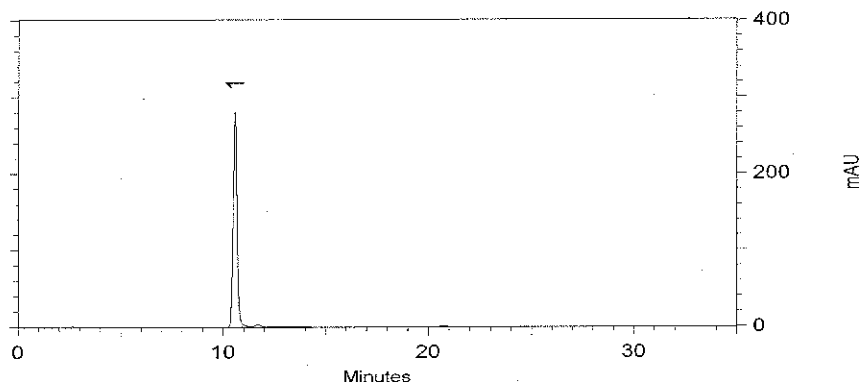
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Valerie N. Walters
Valerie N. Walters - QA Analyst

Date Passed: 06-Apr-2012

Balance: 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rev'd 8/28/12

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 33905 Lot No.: A084334
Description : 8330 Calibration Standard
Nitroaromatics and Nitramine Explosives by HPLC, 1,000µg/ml,
Acetonitrile, 1ml/ampule
Container Size : ⁵ 2 mL Pkg Amt:⁵ > 1 mL
Expiration Date : ¹ May 2015 Storage: 10°C or colder

Elution Order	Compound	CAS #	Percent Purity ²	Grav. Conc. (weight/volume) ³	Grav.Uncert. (95% C.L., K=2) ⁴
1	HMX	2691-41-0	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
2	RDX	121-82-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
3	1,3,5-Trinitrobenzene	99-35-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
6	Tetryl	479-45-8	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/mL	+/- 5.9373 ug/mL
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/mL	+/- 5.9373 ug/mL
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
13	4-Nitrotoluene	99-99-0	97%	970.0 ug/mL	+/- 5.7615 ug/mL
14	3-Nitrotoluene	99-08-1	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL

Solvent:

Acetonitrile

75-05-8

99%

Column:

250mm x 4.6mm
Ultra C18 (cat.# 9174575)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

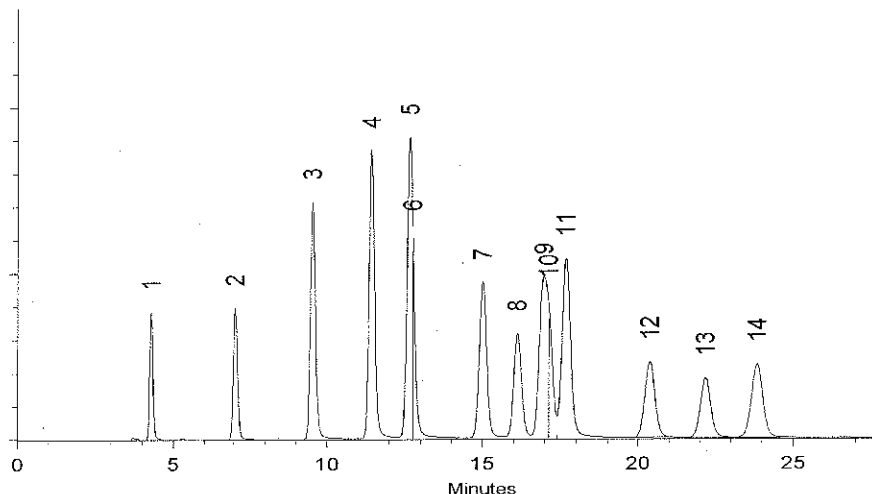
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:

Wavelength: 210 nm



Diane Shaffer
Diane Shaffer - QA Analyst

Date Passed: 22-Nov-2011

Balance: 1128342314

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

- 1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.
- 2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.
- 2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
- 2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.
- 2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
- 3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.
- 4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.
- 5A Containers are overfilled to ensure the packaged amount, as a minimum.
- 5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Note:

Rec'd 11/27/12



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31498 Lot No.: A087039
Description : Nitroglycerin Standard
1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED
EX GROUND ONLY
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : March 2017 Storage: 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Nitroglycerin	1,000.0 ug/mL	+/-	5.8686	ug/mL	Gravimetric
	CAS # 55-63-0		+/-	32.1907	ug/mL	Unstressed
	Purity 99%		+/-	44.7599	ug/mL	Stressed
Solvent:	Methanol					
	CAS # 67-56-1					
	Purity 99%					

Rec'd 11/27/12

Rev'd 3/20/12



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31499 **Lot No.:** A086505

Description : Picric Acid Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED
EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Picric Acid	1,000.0 ug/mL	+/-	5.9397	ug/mL	Gravimetric
	CAS # 88-89-1		+/-	32.2037	ug/mL	Unstressed
	Purity 99%		+/-	44.7693	ug/mL	Stressed
Solvent:	Methanol					
	CAS # 67-56-1					
	Purity 99%					

Column:

30m x 0.53mm x 0.5um
Rtx-5 (cat.# 10240)

Carrier Gas:

hydrogen-constant flow 11 mL/min

Temp. Program:

70°C (hold 2 min.) to 225°C
@ 20°C/min.

Inj. Temp:

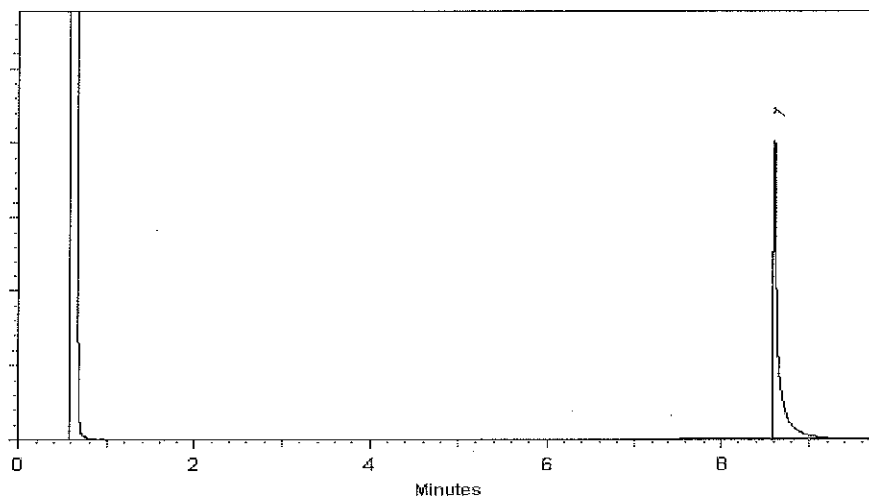
cold on-column

Det. Temp:

335°C

Det. Type:

FID



Valerie N. Walters

Valerie N. Walters - QA Analyst

Date Passed: 16-Mar-2012

Balance: 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-22559-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Sacramento	A2LA	A2LA		NE-OS-22-13
TestAmerica Sacramento	A2LA	A2LA		NE-OS-22-3
TestAmerica Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica Sacramento	Alaska (UST)	State Program	10	UST-055
TestAmerica Sacramento	Arizona	State Program	9	AZ0708
TestAmerica Sacramento	Arkansas DEQ	State Program	6	88-0691
TestAmerica Sacramento	California	NELAP	9	1119CA
TestAmerica Sacramento	Colorado	State Program	8	N/A
TestAmerica Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica Sacramento	Florida	NELAP	4	E87570
TestAmerica Sacramento	Guam	State Program	9	N/A
TestAmerica Sacramento	Hawaii	State Program	9	N/A
TestAmerica Sacramento	Illinois	NELAP	5	200060
TestAmerica Sacramento	Kansas	NELAP	7	E-10375
TestAmerica Sacramento	Louisiana	NELAP	6	30612
TestAmerica Sacramento	Michigan	State Program	5	9947
TestAmerica Sacramento	Nebraska	State Program	7	NE-OS-22-13
TestAmerica Sacramento	Nevada	State Program	9	CA44
TestAmerica Sacramento	New Jersey	NELAP	2	CA005
TestAmerica Sacramento	New York	NELAP	2	11666
TestAmerica Sacramento	Northern Mariana Islands	State Program	9	MP0007
TestAmerica Sacramento	Oregon	NELAP	10	CA200005
TestAmerica Sacramento	Pennsylvania	NELAP	3	68-01272
TestAmerica Sacramento	South Carolina	State Program	4	87014
TestAmerica Sacramento	Texas	NELAP	6	T104704399-08-TX
TestAmerica Sacramento	US Fish & Wildlife	Federal		LE148388-0
TestAmerica Sacramento	USDA	Federal		P330-11-00436
TestAmerica Sacramento	USEPA UCMR	Federal	1	CA00044
TestAmerica Sacramento	Utah	NELAP	8	QUAN1
TestAmerica Sacramento	Washington	State Program	10	C581
TestAmerica Sacramento	West Virginia	State Program	3	9930C
TestAmerica Sacramento	West Virginia DEP	State Program	3	334
TestAmerica Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8330B

Nitroaromatics and Nitramines (HPLC)
by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): Synergi C18 ID: 4.6 (mm) GC Column (2): Zorbax CN 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #	DNT2 #
078SS-0210M-0001-S O	240-22559-1	94	
078SS-0210M-0001-S O	240-22559-1		121 Q
078SS-0002M-0001-S O	240-22559-2	190 Q	
078SS-0003M-0001-S O	240-22559-3	110	
078SS-0003M-0001-S O	240-22559-3		105
078SB-0004M-0001-S O	240-22559-4	89	
078SB-0005M-0001-S O	240-22559-5	91	
078SB-0006M-0001,0 002-SO	240-22559-6	96	
078SB-0008M-0001-S O	240-22559-8	93	
078SB-0009M-0001-S O	240-22559-10	90	
078SB-0011M-0001-S O	240-22559-11	90	
078SB-0011M-0001-S O	240-22559-11		1663 Q
078SB-0012M-0001-S O	240-22559-12	89	
078SB-0012M-0001-S O	240-22559-12		184 Q
078SB-0015M-0001,0 002-SO	240-22559-13	94	
078SB-0017M-0001-S O	240-22559-15	94	
078SB-0018M-0001-S O	240-22559-16	93	
078SB-0020M-0001-S O	240-22559-17	92	
078SB-0021M-0001-S O	240-22559-18	95	
078SB-0013M-0001-S O	240-22559-19	95 M	
078SB-0023M-0001-S O	240-22559-22	93	
078SB-0025M-0001-S O	240-22559-23	92	
078SB-0026M-0001-S O	240-22559-24	92	
078SB-0026M-0001-S O	240-22559-24		97
078SB-0033-0001-SO	240-22559-25	92	

QC LIMITS
78-118

DNT = 3,4-Dinitrotoluene

Column to be used to flag recovery values

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): Synergi C18 ID: 4.6 (mm) GC Column (2): Zorbax CN 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #	DNT2 #
078SB-0030M-0001-S O	240-22559-27	92	
078SB-0030M-0001-S O	240-22559-27		98
078SB-0031M-0001-S O	240-22559-28	92	
078SB-0032M-0001-S O	240-22559-29	91	
078SB-0024M-0001-S O	240-22559-31	90	
	MB 320-17034/1-A	91	
	MB 320-17034/1-A		119 M Q
	MB 320-17047/1-A	94	
	MB 320-17047/1-A		111
	LCS 320-17034/2-A	90	
	LCS 320-17047/2-A	91	
078SB-0006M-0001,0 002-SO MS	240-22559-6 MS	98	
078SB-0015M-0001,0 002-SO MS	240-22559-13 MS	95	
078SB-0006M-0001,0 002-SO MSD	240-22559-6 MSD	97	
078SB-0015M-0001,0 002-SO MSD	240-22559-13 MSD	94	

DNT = 3,4-Dinitrotoluene

QC LIMITS
78-118

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: ZD000011.D
Lab ID: LCS 320-17034/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroglycerin	1.00	0.967	97	76-116	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: ZD000026.D
Lab ID: LCS 320-17047/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroglycerin	1.00	0.961	96	76-116	

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: ZD000018.D
Lab ID: 240-22559-6 MS Client ID: 078SB-0006M-0001,0002-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Nitroglycerin	0.995	0.25 U	0.971	98	76-116	H

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: ZD000028.D
Lab ID: 240-22559-13 MS Client ID: 078SB-0015M-0001,0002-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Nitroglycerin	0.993	0.25 U	0.949	96	76-116	H

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: ZD000020.D
Lab ID: 240-22559-6 MSD Client ID: 078SB-0006M-0001,0002-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Nitroglycerin	0.999	0.985	99	1	20	76-116	H

Column to be used to flag recovery and RPD values

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: ZD000029.D
Lab ID: 240-22559-13 MSD Client ID: 078SB-0015M-0001,0002-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Nitroglycerin	0.995	1.22	123	25	20	76-116	H J

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: MB 320-17034/1-A
 Matrix: Solid Date Extracted: 05/24/2013 09:19
 Lab File ID: (1) ZD000010.D Lab File ID: (2) ZE000014.D
 Date Analyzed: (1) 05/30/2013 16:36 Date Analyzed: (2) 06/01/2013 00:41
 Instrument ID: (1) LC10 Instrument ID: (2) LC12
 GC Column: (1) Synergi C18 ID: 4.6 (mm) GC Column: (2) Zorbax CN ID: 4.6 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-17034/2-A	05/30/2013 17:19	
078SS-0210M-0001-SO	240-22559-1	05/30/2013 18:03	06/01/2013 01:47
078SS-0002M-0001-SO	240-22559-2	05/30/2013 18:47	
078SS-0003M-0001-SO	240-22559-3	05/30/2013 19:31	06/01/2013 02:53
078SB-0004M-0001-SO	240-22559-4	05/30/2013 20:14	
078SB-0005M-0001-SO	240-22559-5	05/30/2013 20:58	
078SB-0006M-0001,0002-SO	240-22559-6	05/30/2013 21:42	
078SB-0006M-0001,0002-SO MS	240-22559-6 MS	05/30/2013 22:25	
078SB-0006M-0001,0002-SO MSD	240-22559-6 MSD	05/30/2013 23:53	
078SB-0008M-0001-SO	240-22559-8	05/31/2013 00:37	
078SB-0009M-0001-SO	240-22559-10	05/31/2013 01:20	
078SB-0011M-0001-SO	240-22559-11	05/31/2013 02:04	06/01/2013 04:00
078SB-0012M-0001-SO	240-22559-12	05/31/2013 02:48	06/01/2013 05:06

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: MB 320-17047/1-A
 Matrix: Solid Date Extracted: 05/24/2013 12:53
 Lab File ID: (1) ZD000025.D Lab File ID: (2) ZE000019.D
 Date Analyzed: (1) 05/31/2013 03:31 Date Analyzed: (2) 06/01/2013 06:13
 Instrument ID: (1) LC10 Instrument ID: (2) LC12
 GC Column: (1) Synergi C18 ID: 4.6 (mm) GC Column: (2) Zorbax CN ID: 4.6 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-17047/2-A	05/31/2013 04:15	
078SB-0015M-0001,0002-SO	240-22559-13	05/31/2013 04:59	
078SB-0015M-0001,0002-SO MS	240-22559-13 MS	05/31/2013 05:43	
078SB-0015M-0001,0002-SO MSD	240-22559-13 MSD	05/31/2013 06:26	
078SB-0017M-0001-SO	240-22559-15	05/31/2013 07:54	
078SB-0018M-0001-SO	240-22559-16	05/31/2013 08:37	
078SB-0020M-0001-SO	240-22559-17	05/31/2013 09:21	
078SB-0021M-0001-SO	240-22559-18	05/31/2013 10:05	
078SB-0013M-0001-SO	240-22559-19	05/31/2013 10:49	
078SB-0025M-0001-SO	240-22559-23	05/31/2013 12:16	
078SB-0026M-0001-SO	240-22559-24	05/31/2013 13:00	06/01/2013 08:26
078SB-0033-0001-SO	240-22559-25	05/31/2013 13:44	
078SB-0030M-0001-SO	240-22559-27	05/31/2013 14:28	06/01/2013 11:46
078SB-0031M-0001-SO	240-22559-28	05/31/2013 15:55	
078SB-0032M-0001-SO	240-22559-29	05/31/2013 16:39	
078SB-0024M-0001-SO	240-22559-31	05/31/2013 17:22	
078SB-0023M-0001-SO	240-22559-22	05/31/2013 18:06	

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Sample No.: CCV 320-17382/2 Date Analyzed: 05/30/2013 15:52
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): ZD000009.D Heated Purge: (Y/N) N
 Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.45		
UPPER LIMIT				16.70		
LOWER LIMIT				16.20		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17382/2 CCVRT		05/30/2013 15:52	ZD000009.D	16.45		
MB 320-17034/1-A		05/30/2013 16:36	ZD000010.D	16.56		
LCS 320-17034/2-A		05/30/2013 17:19	ZD000011.D	16.58		
240-22559-1	078SS-0210M-0001-SO	05/30/2013 18:03	ZD000012.D	16.45		
240-22559-2	078SS-0002M-0001-SO	05/30/2013 18:47	ZD000013.D	16.30		
240-22559-3	078SS-0003M-0001-SO	05/30/2013 19:31	ZD000014.D	16.53		
240-22559-4	078SB-0004M-0001-SO	05/30/2013 20:14	ZD000015.D	16.64		
240-22559-5	078SB-0005M-0001-SO	05/30/2013 20:58	ZD000016.D	16.49		
240-22559-6	078SB-0006M-0001,0002 -SO	05/30/2013 21:42	ZD000017.D	16.46		
240-22559-6 MS	078SB-0006M-0001,0002 -SO MS	05/30/2013 22:25	ZD000018.D	16.41		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Sample No.: CCV 320-17382/12 Date Analyzed: 05/30/2013 23:09
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): ZD000019.D Heated Purge: (Y/N) N
 Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.53		
UPPER LIMIT				16.78		
LOWER LIMIT				16.28		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17382/12 CCVRT		05/30/2013 23:09	ZD000019.D	16.53		
240-22559-6 MSD	078SB-0006M-0001,0002 -SO MSD	05/30/2013 23:53	ZD000020.D	16.43		
240-22559-8	078SB-0008M-0001-SO	05/31/2013 00:37	ZD000021.D	16.46		
240-22559-10	078SB-0009M-0001-SO	05/31/2013 01:20	ZD000022.D	16.55		
240-22559-11	078SB-0011M-0001-SO	05/31/2013 02:04	ZD000023.D	16.44		
240-22559-12	078SB-0012M-0001-SO	05/31/2013 02:48	ZD000024.D	16.51		
MB 320-17047/1-A		05/31/2013 03:31	ZD000025.D	16.48		
LCS 320-17047/2-A		05/31/2013 04:15	ZD000026.D	16.53		
240-22559-13	078SB-0015M-0001,0002 -SO	05/31/2013 04:59	ZD000027.D	16.60		
240-22559-13 MS	078SB-0015M-0001,0002 -SO MS	05/31/2013 05:43	ZD000028.D	16.60		
240-22559-13 MSD	078SB-0015M-0001,0002 -SO MSD	05/31/2013 06:26	ZD000029.D	16.46		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Sample No.: CCV 320-17382/23 Date Analyzed: 05/31/2013 07:10
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): ZD000030.D Heated Purge: (Y/N) N
 Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.47		
UPPER LIMIT				16.72		
LOWER LIMIT				16.22		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17382/23 CCVRT		05/31/2013 07:10	ZD000030.D	16.47		
240-22559-15	078SB-0017M-0001-SO	05/31/2013 07:54	ZD000031.D	16.56		
240-22559-16	078SB-0018M-0001-SO	05/31/2013 08:37	ZD000032.D	16.58		
240-22559-17	078SB-0020M-0001-SO	05/31/2013 09:21	ZD000033.D	16.50		
240-22559-18	078SB-0021M-0001-SO	05/31/2013 10:05	ZD000034.D	16.40		
240-22559-19	078SB-0013M-0001-SO	05/31/2013 10:49	ZD000035.D	16.45		
240-22559-23	078SB-0025M-0001-SO	05/31/2013 12:16	ZD000037.D	16.53		
240-22559-24	078SB-0026M-0001-SO	05/31/2013 13:00	ZD000038.D	16.41		
240-22559-25	078SB-0033-0001-SO	05/31/2013 13:44	ZD000039.D	16.42		
240-22559-27	078SB-0030M-0001-SO	05/31/2013 14:28	ZD000040.D	16.41		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Sample No.: CCV 320-17382/34 Date Analyzed: 05/31/2013 15:11
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): ZD000041.D Heated Purge: (Y/N) N
 Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.48		
UPPER LIMIT				16.73		
LOWER LIMIT				16.23		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17382/34 CCVRT		05/31/2013 15:11	ZD000041.D	16.48		
240-22559-28	078SB-0031M-0001-SO	05/31/2013 15:55	ZD000042.D	16.40		
240-22559-29	078SB-0032M-0001-SO	05/31/2013 16:39	ZD000043.D	16.45		
240-22559-31	078SB-0024M-0001-SO	05/31/2013 17:22	ZD000044.D	16.44		
240-22559-22	078SB-0023M-0001-SO	05/31/2013 18:06	ZD000045.D	16.84 *		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Sample No.: CCV 320-17382/43 Date Analyzed: 05/31/2013 22:29
 Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm)
 Lab File ID (Standard): ZD000051.D Heated Purge: (Y/N) N
 Calibration ID: 2667

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				16.41		
UPPER LIMIT				16.66		
LOWER LIMIT				16.16		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17382/43 CCVRT		05/31/2013 22:29	ZD000051.D	16.41		
CCVL 320-17382/44		05/31/2013 23:13	ZD000052.D	16.42		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Sample No.: CCV 320-17433/45 Date Analyzed: 05/31/2013 22:28
 Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm)
 Lab File ID (Standard): ZE000012.D Heated Purge: (Y/N) N
 Calibration ID: 2128

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				38.67		
UPPER LIMIT				38.92		
LOWER LIMIT				38.42		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17433/45 CCVRT		05/31/2013 22:28	ZE000012.D	38.67		
CCVL 320-17433/12		05/31/2013 23:35	ZE000013.D	38.68		
MB 320-17034/1-A		06/01/2013 00:41	ZE000014.D	38.43		
240-22559-1	078SS-0210M-0001-SO	06/01/2013 01:47	ZE000015.D	38.39 *		
240-22559-3	078SS-0003M-0001-SO	06/01/2013 02:53	ZE000016.D	38.47		
240-22559-11	078SB-0011M-0001-SO	06/01/2013 04:00	ZE000017.D	38.48		
240-22559-12	078SB-0012M-0001-SO	06/01/2013 05:06	ZE000018.D	38.44		
MB 320-17047/1-A		06/01/2013 06:13	ZE000019.D	38.47		
240-22559-24	078SB-0026M-0001-SO	06/01/2013 08:26	ZE000021.D	38.58		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Sample No.: CCV 320-17433/46 Date Analyzed: 06/01/2013 10:39
 Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm)
 Lab File ID (Standard): ZE000023.D Heated Purge: (Y/N) N
 Calibration ID: 2128

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				38.66		
UPPER LIMIT				38.91		
LOWER LIMIT				38.41		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17433/46 CCVRT		06/01/2013 10:39	ZE000023.D	38.66		
240-22559-27	078SB-0030M-0001-SO	06/01/2013 11:46	ZE000024.D	38.66		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Sample No.: CCV 320-17433/47 Date Analyzed: 06/01/2013 16:11
Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm)
Lab File ID (Standard): ZE000028.D Heated Purge: (Y/N) N
Calibration ID: 2128

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				DNT		
				RT #		
CONTINUING CALIBRATION SURROGATE				38.60		
UPPER LIMIT				38.85		
LOWER LIMIT				38.35		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 320-17433/47 CCVRT		06/01/2013 16:11	ZE000028.D	38.60		
CCVL 320-17433/48		06/01/2013 17:17	ZE000029.D	38.59		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = $\pm$ 0.25 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SS-0210M-0001-SO Lab Sample ID: 240-22559-1
Instrument ID (1): LC10 Instrument ID (2): LC12
Date Analyzed (1): 05/30/2013 18:03 Date Analyzed (2): 06/01/2013 01:47
GC Column (1): Synergi C18 ID: 4.6(mm) GC Column (2): Zorbax CN ID: 4.6(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Nitroglycerin	1		14.61	14.28	14.78	0.025		127.6
	2		44.75	44.64	45.14	0.11		

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SS-0210M-0001-SO Lab Sample ID: 240-22559-1
Matrix: Solid Lab File ID: ZD000012.D
Analysis Method: 8330B Date Collected: 03/26/2013 09:40
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.06(g) Date Analyzed: 05/30/2013 18:03
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.025	H J	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000012.D
Lims ID: 240-22559-F-1-D Client ID: 078SS-0210M-0001-SO
Inject. Date: 30-May-2013 18:03:37 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-005
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 14
Lims Batch ID: 17382 Lims Sample ID: 5
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2	14.613	14.534	0.079	219	3.11	
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\$ 30 3,4-Dinitrotoluene

1	16.446	16.451	-0.005	3351	58.6	
2	16.443	16.451	-0.008	6464	60.3	

Report Date: 31-May-2013 07:15:20

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000012.D

Injection Date: 30-May-2013 18:03:37

Limit Group: LC 8330B ICAL

Client ID: 078SS-0210M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 5

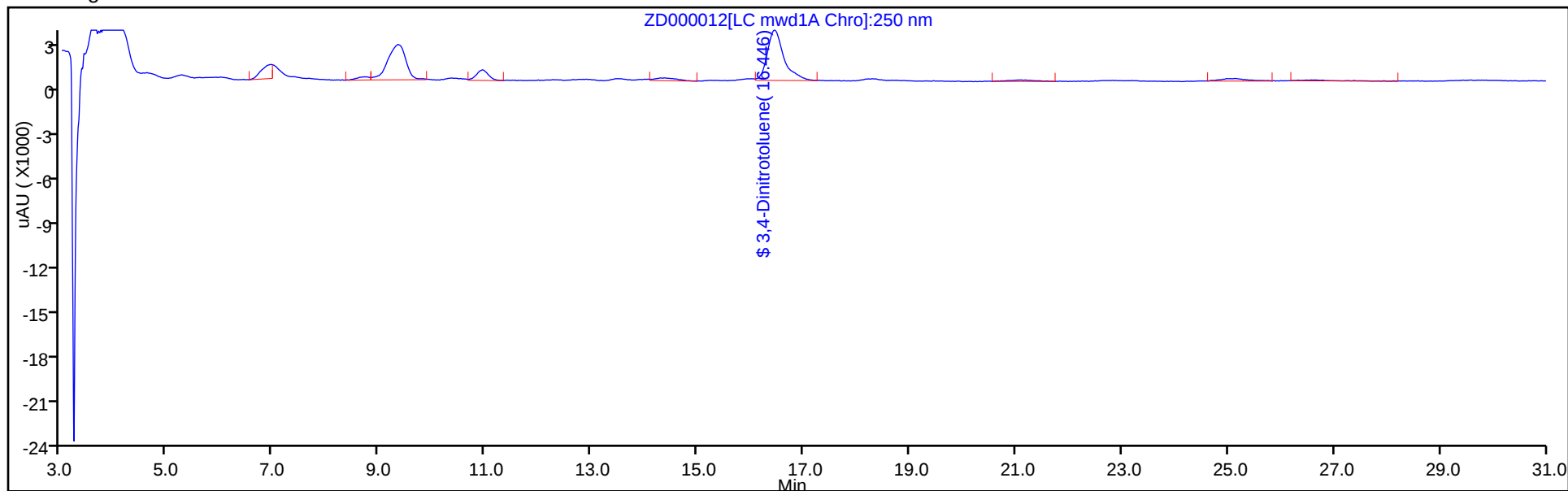
Operator ID: RN

Injection Vol: 500.0 ul

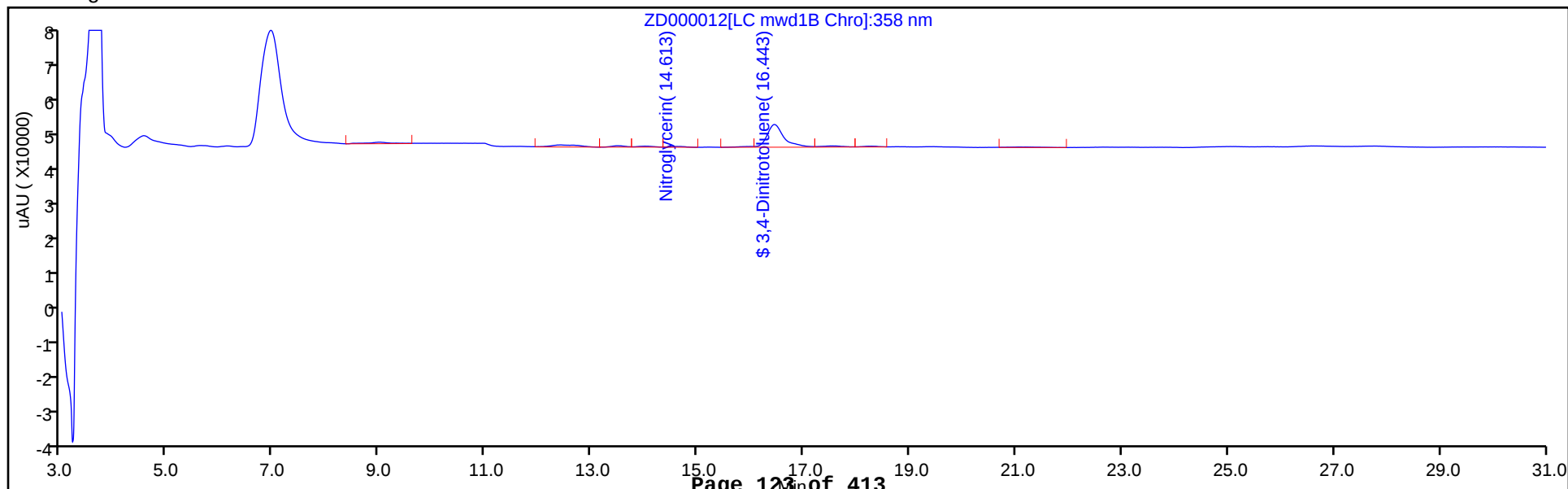
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SS-0210M-0001-SO Lab Sample ID: 240-22559-1
Matrix: Solid Lab File ID: ZE000015.D
Analysis Method: 8330B Date Collected: 03/26/2013 09:40
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.06(g) Date Analyzed: 06/01/2013 01:47
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Zorbax CN ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	121	Q	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000015.D
Lims ID: 240-22559-F-1-D Client ID: 078SS-0210M-0001-SO
Inject. Date: 01-Jun-2013 01:47:34 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004817-034
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 12
Lims Batch ID: 17433 Lims Sample ID: 34
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 07:55:56 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:56:07

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1 38.392 38.684 -0.292 4041 75.6

7 Nitroglycerin

2 44.749 44.891 -0.142 1289 14.1

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000015.D

Injection Date: 01-Jun-2013 01:47:34

Limit Group: LC 8330B ICAL

Client ID: 078SS-0210M-0001-SO

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 34

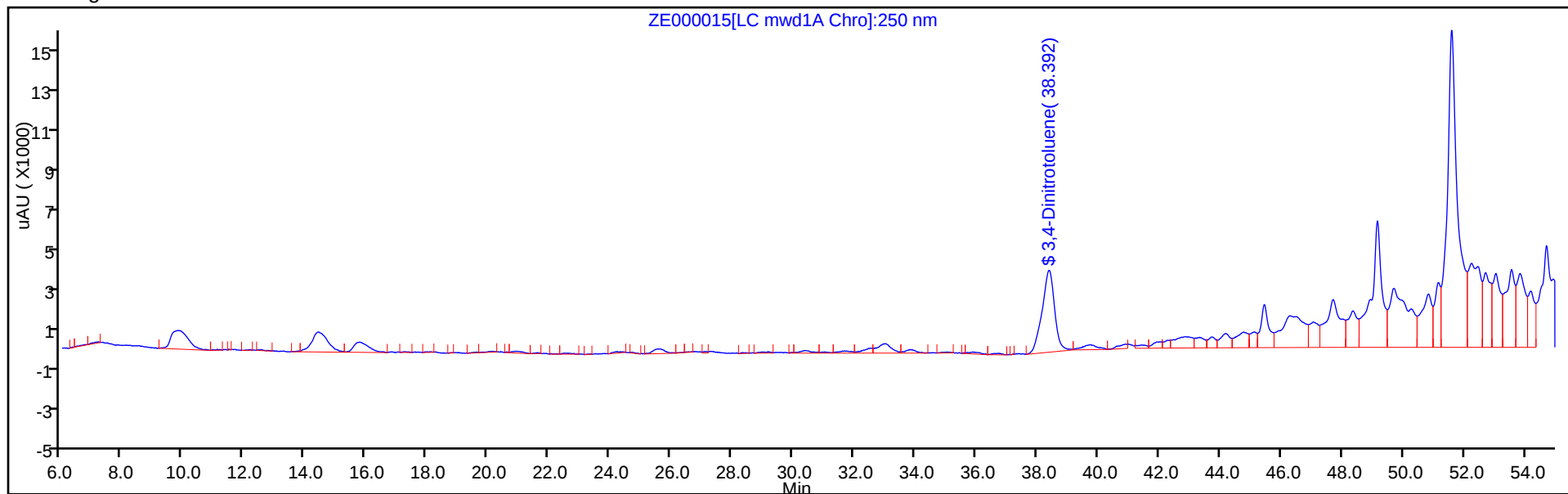
Operator ID: RN

Injection Vol: 500.0 ul

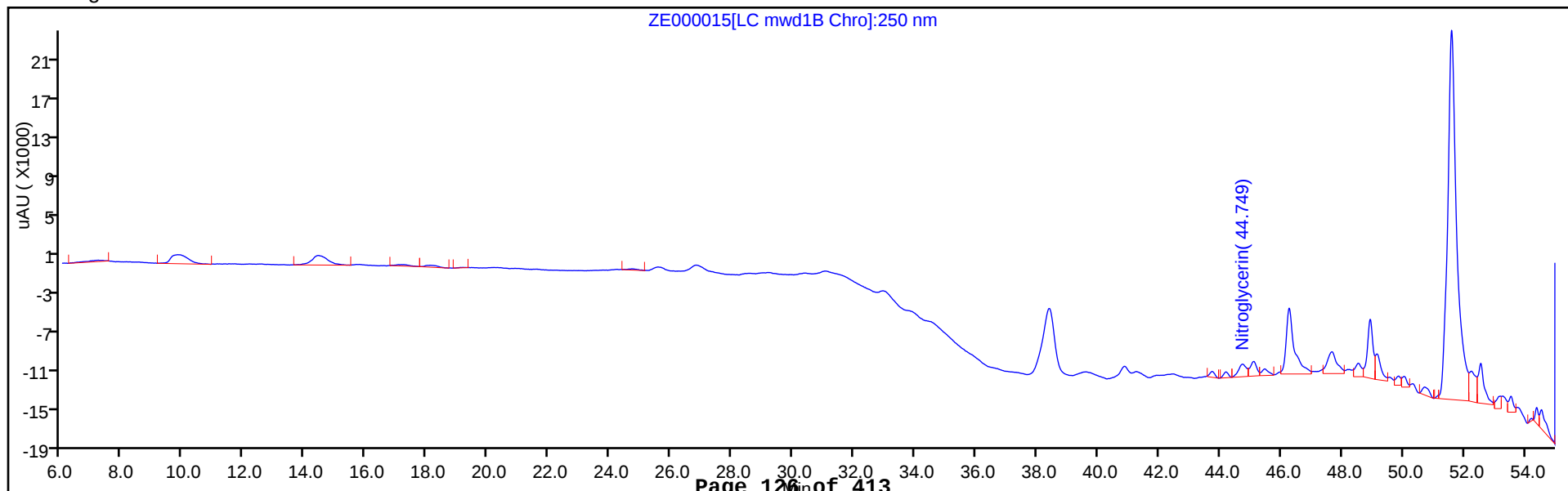
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SS-0002M-0001-SO Lab Sample ID: 240-22559-2
Matrix: Solid Lab File ID: ZD000013.D
Analysis Method: 8330B Date Collected: 03/26/2013 12:51
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.04(g) Date Analyzed: 05/30/2013 18:47
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	190	Q	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000013.D
Lims ID: 240-22559-F-2-D Client ID: 078SS-0002M-0001-SO
Inject. Date: 30-May-2013 18:47:19 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-006
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 15
Lims Batch ID: 17382 Lims Sample ID: 6
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:09:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene M
1 16.295 16.451 -0.156 6786 118.6
2 16.295 16.451 -0.156 6871 64.1 M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 31-May-2013 07:15:20

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000013.D

Injection Date: 30-May-2013 18:47:19

Limit Group: LC 8330B ICAL

Client ID: 078SS-0002M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 6

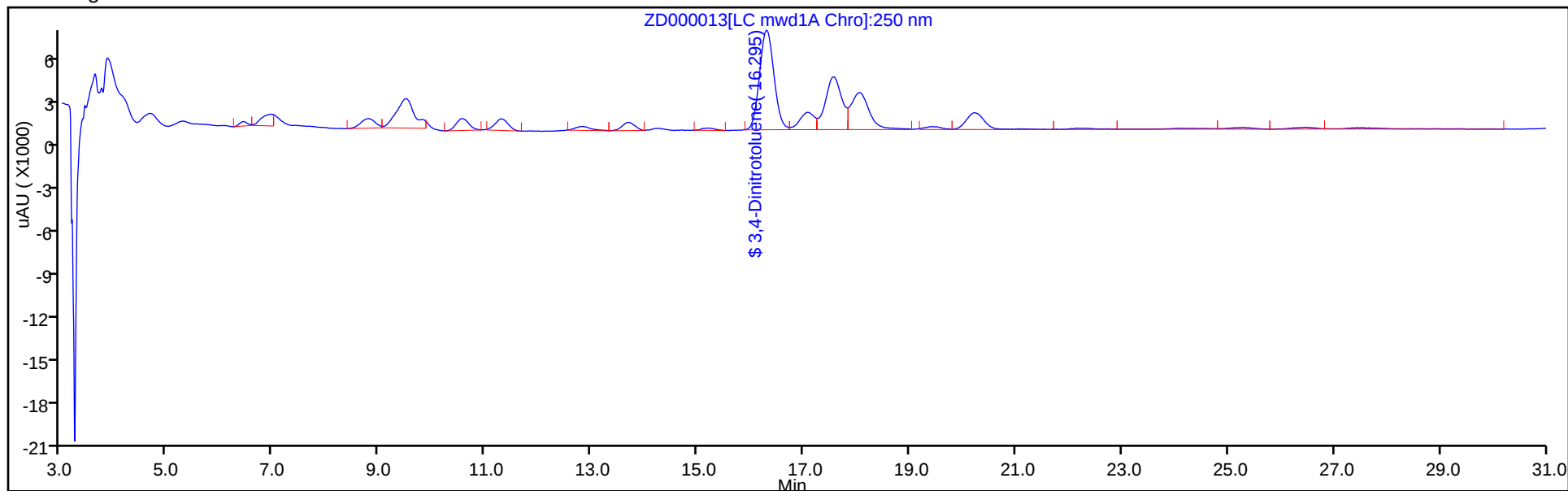
Operator ID: RN

Injection Vol: 500.0 ul

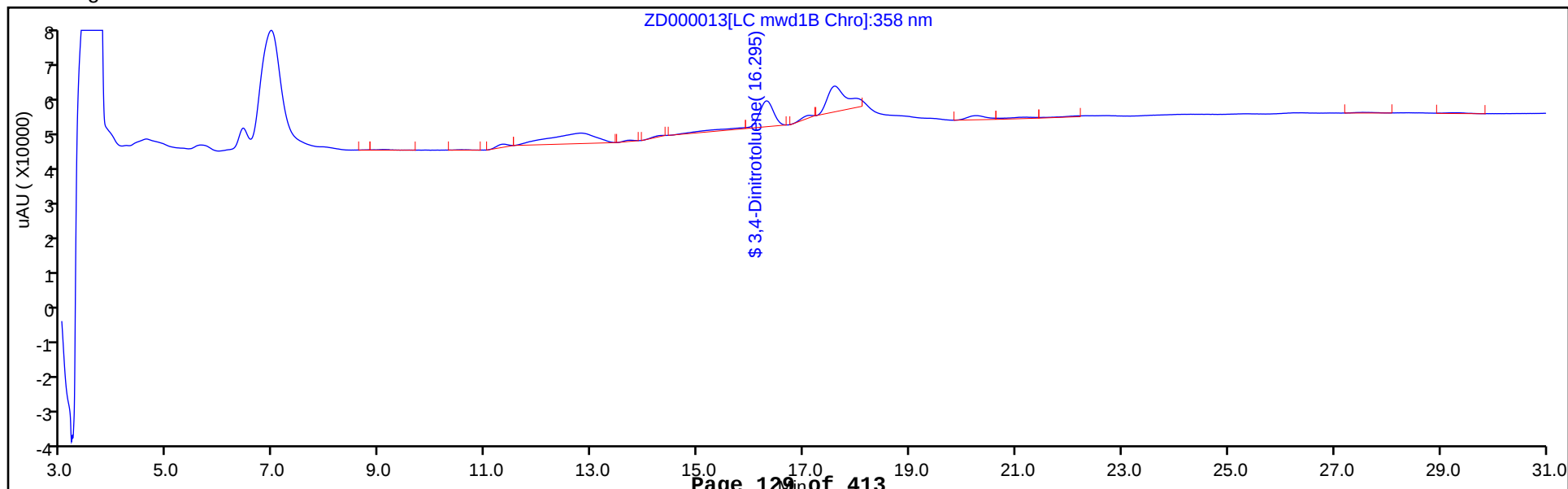
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



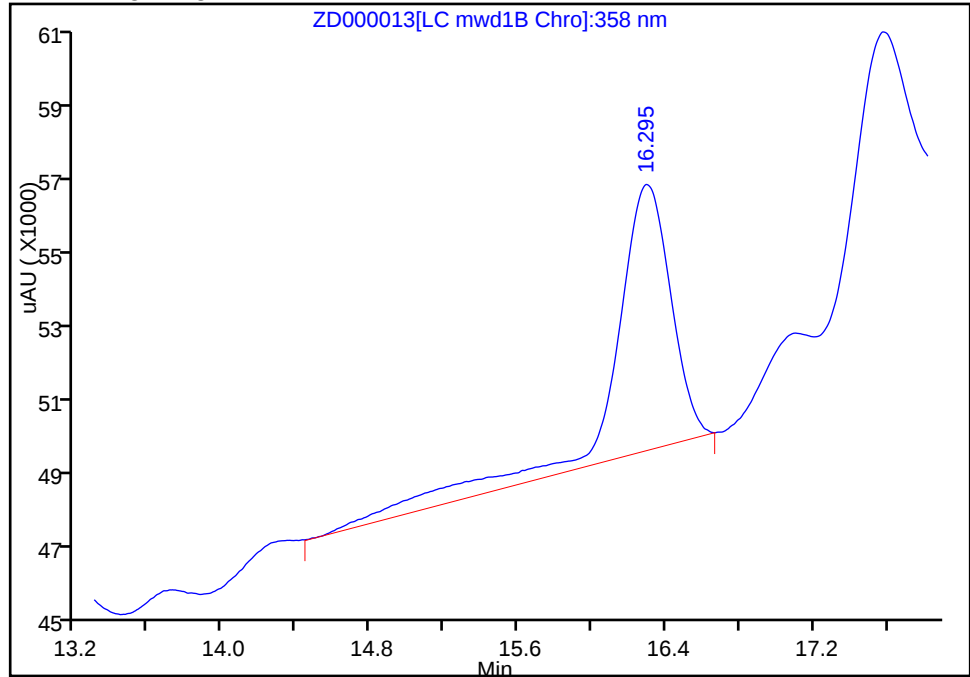
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000013.D
Injection Date: 30-May-2013 18:47:19 Limit Group: LC 8330B ICAL
Client ID: 078SS-0002M-0001-SO Instrument ID: LC10
Lims Batch ID: 17382 Lims Sample ID: 6
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 16.45, Det: LC mwd1B

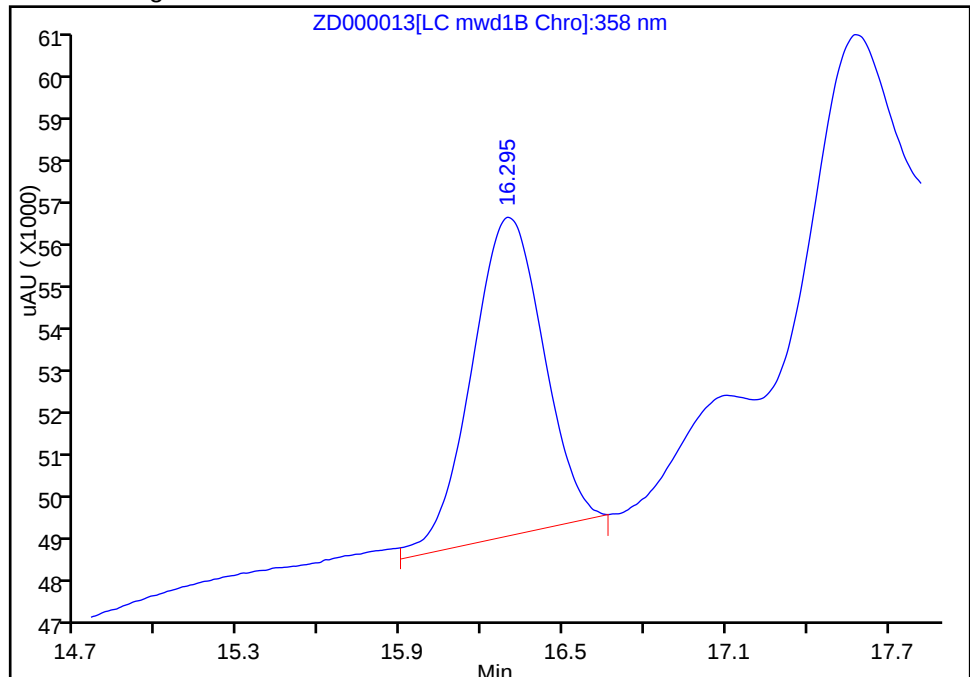
RT: 16.30
Response: 6872
Amount: 64.132820

Processing Integration Results



RT: 16.30
Response: 6871
Amount: 64.123487

Manual Integration Results



Reviewer: noonanr, 31-May-2013 07:09:02
Audit Action: Split an Integrated Peak
Audit Reason: Baseline

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SS-0003M-0001-SO Lab Sample ID: 240-22559-3
Matrix: Solid Lab File ID: ZD000014.D
Analysis Method: 8330B Date Collected: 03/26/2013 13:35
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.01(g) Date Analyzed: 05/30/2013 19:31
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	110		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000014.D
Lims ID: 240-22559-F-3-D Client ID: 078SS-0003M-0001-SO
Inject. Date: 30-May-2013 19:31:00 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-007
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 16
Lims Batch ID: 17382 Lims Sample ID: 7
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 10:50:50 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 10:50:50

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2 14.656 14.534 0.122 176 2.50

\$ 30 3,4-Dinitrotoluene

1 16.529 16.451 0.078 3946 69.0

2 16.536 16.451 0.085 7556 70.5

Report Date: 31-May-2013 10:50:50

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000014.D

Injection Date: 30-May-2013 19:31:00

Limit Group: LC 8330B ICAL

Client ID: 078SS-0003M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 7

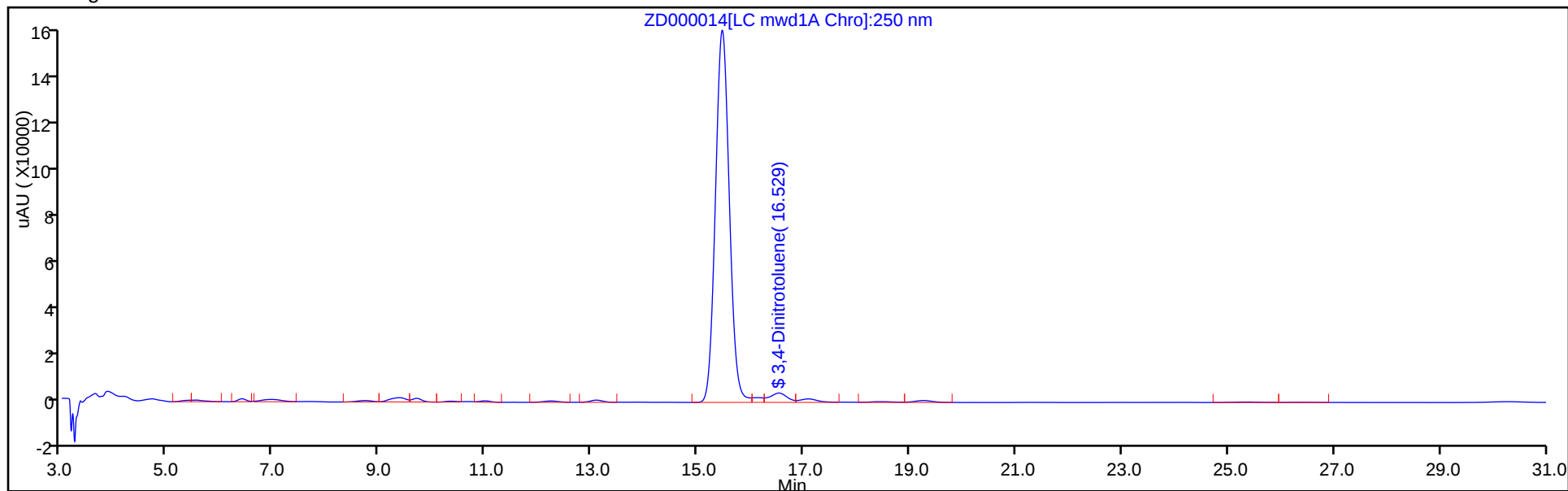
Operator ID: RN

Injection Vol: 500.0 ul

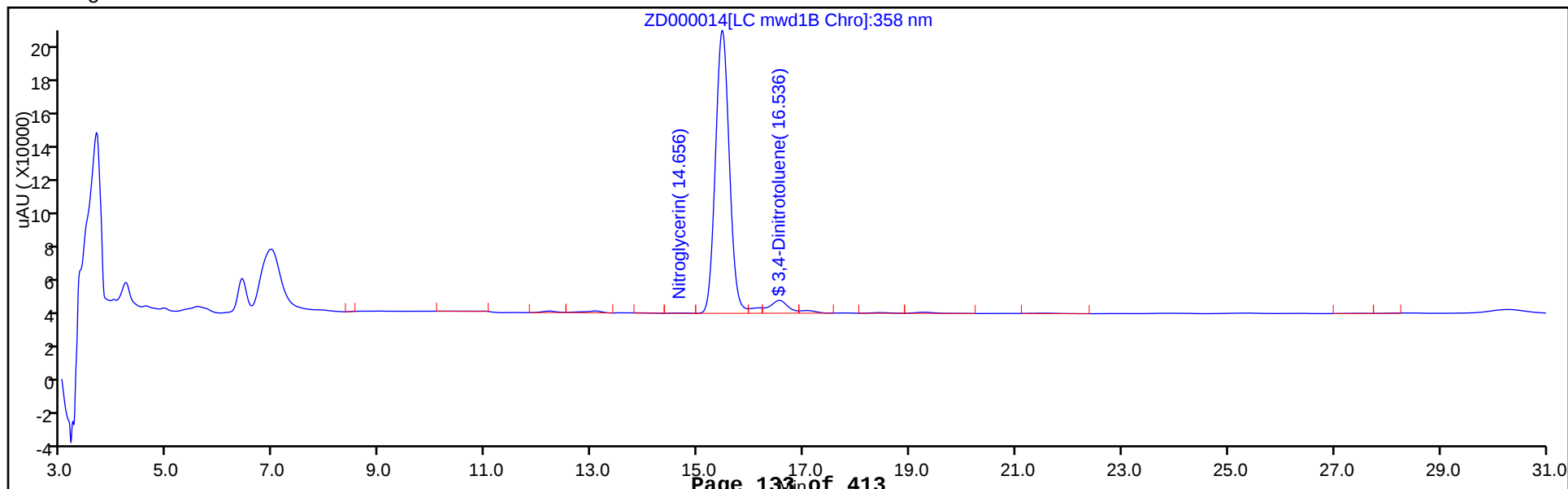
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SS-0003M-0001-SO Lab Sample ID: 240-22559-3
Matrix: Solid Lab File ID: ZE000016.D
Analysis Method: 8330B Date Collected: 03/26/2013 13:35
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.01(g) Date Analyzed: 06/01/2013 02:53
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Zorbax CN ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	105		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000016.D
Lims ID: 240-22559-F-3-D Client ID: 078SS-0003M-0001-SO
Inject. Date: 01-Jun-2013 02:53:56 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004817-035
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 17433 Lims Sample ID: 35
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 08:07:18 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:57:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1 38.472 38.684 -0.212 3512 65.7

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000016.D

Injection Date: 01-Jun-2013 02:53:56

Limit Group: LC 8330B ICAL

Client ID: 078SS-0003M-0001-SO

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 35

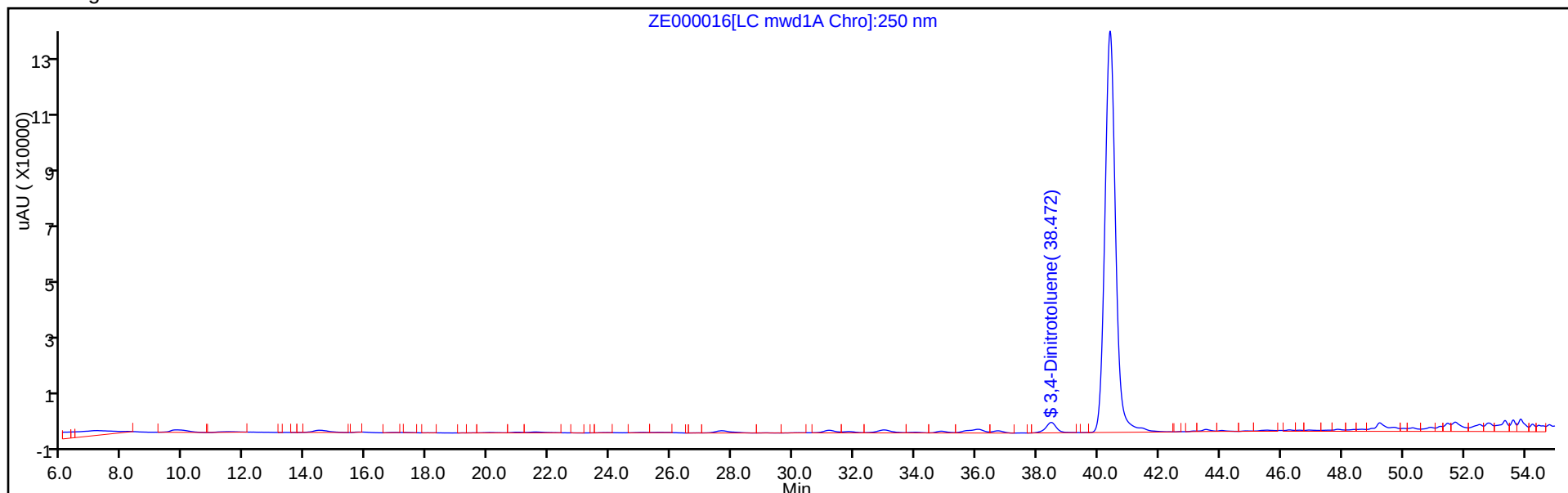
Operator ID: RN

Injection Vol: 500.0 ul

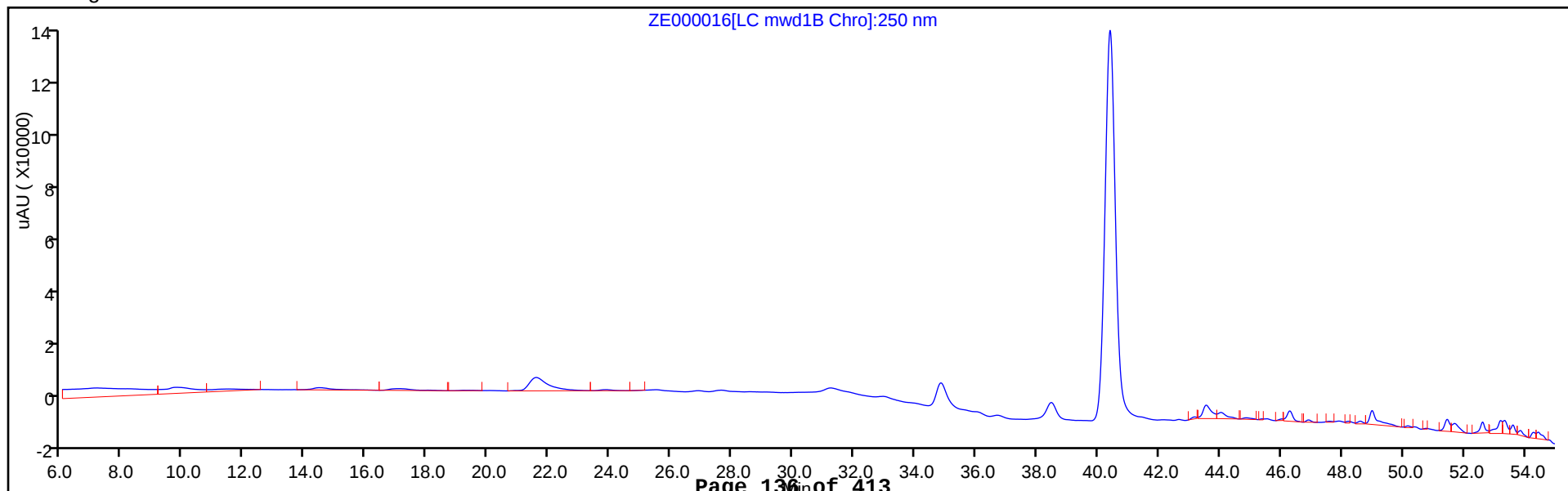
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Client Sample ID: 078SB-0004M-0001-SO Lab Sample ID: 240-22559-4
 Matrix: Solid Lab File ID: ZD000015.D
 Analysis Method: 8330B Date Collected: 03/26/2013 11:56
 Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
 Sample wt/vol: 10.06(g) Date Analyzed: 05/30/2013 20:14
 Con. Extract Vol.: 80 (mL) Dilution Factor: 1
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	89		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000015.D
Lims ID: 240-22559-C-4-D Client ID: 078SB-0004M-0001-SO
Inject. Date: 30-May-2013 20:14:42 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-008
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 17
Lims Batch ID: 17382 Lims Sample ID: 8
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.636	16.451	0.185	3173	55.5	
2	16.633	16.451	0.182	6107	57.0	

Report Date: 31-May-2013 07:15:21

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000015.D

Injection Date: 30-May-2013 20:14:42 Limit Group: LC 8330B ICAL

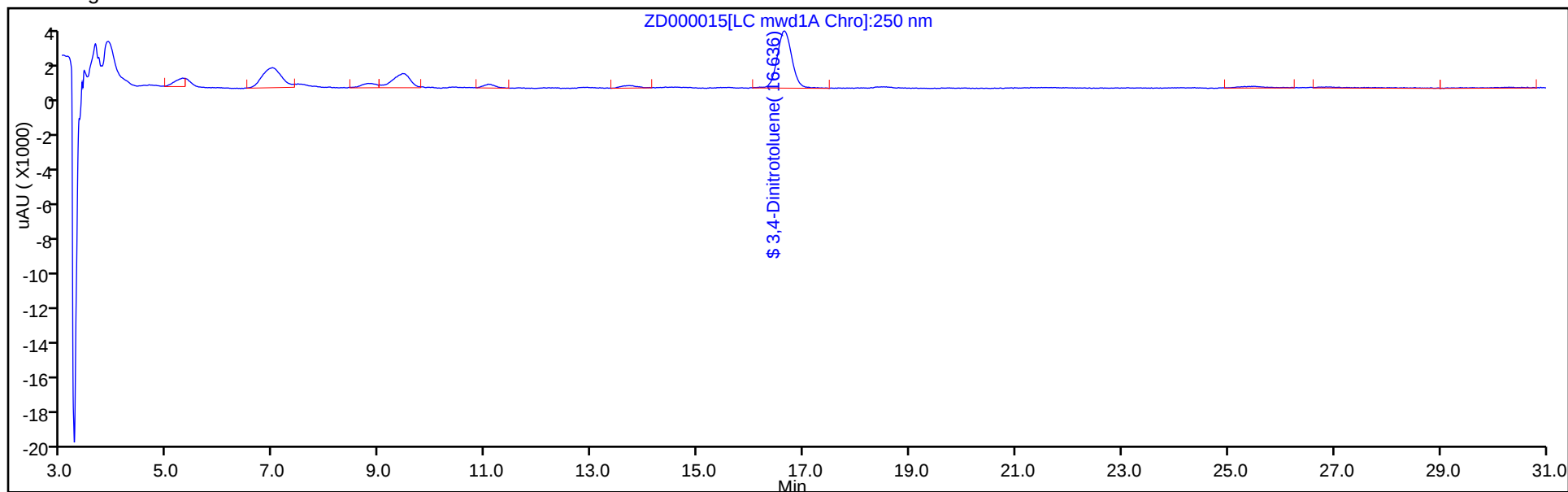
Client ID: 078SB-0004M-0001-SO Instrument ID: LC10

Lims Batch ID: 17382 Lims Sample ID: 8

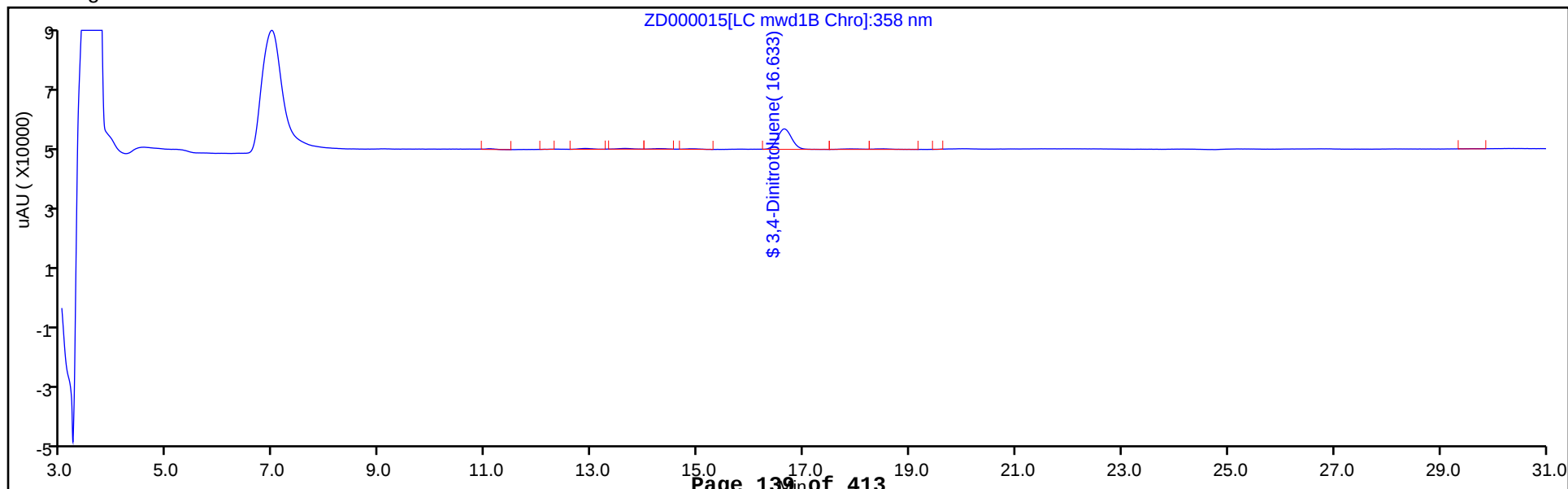
Operator ID: RN Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0005M-0001-SO Lab Sample ID: 240-22559-5
Matrix: Solid Lab File ID: ZD000016.D
Analysis Method: 8330B Date Collected: 03/26/2013 11:59
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.03(g) Date Analyzed: 05/30/2013 20:58
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	91		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000016.D
Lims ID: 240-22559-C-5-D Client ID: 078SB-0005M-0001-SO
Inject. Date: 30-May-2013 20:58:25 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-009
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 18
Lims Batch ID: 17382 Lims Sample ID: 9
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.486	16.451	0.035	3264	57.0
2	16.486	16.451	0.035	6377	59.5

Report Date: 31-May-2013 07:15:22

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000016.D

Injection Date: 30-May-2013 20:58:25

Limit Group: LC 8330B ICAL

Client ID: 078SB-0005M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 9

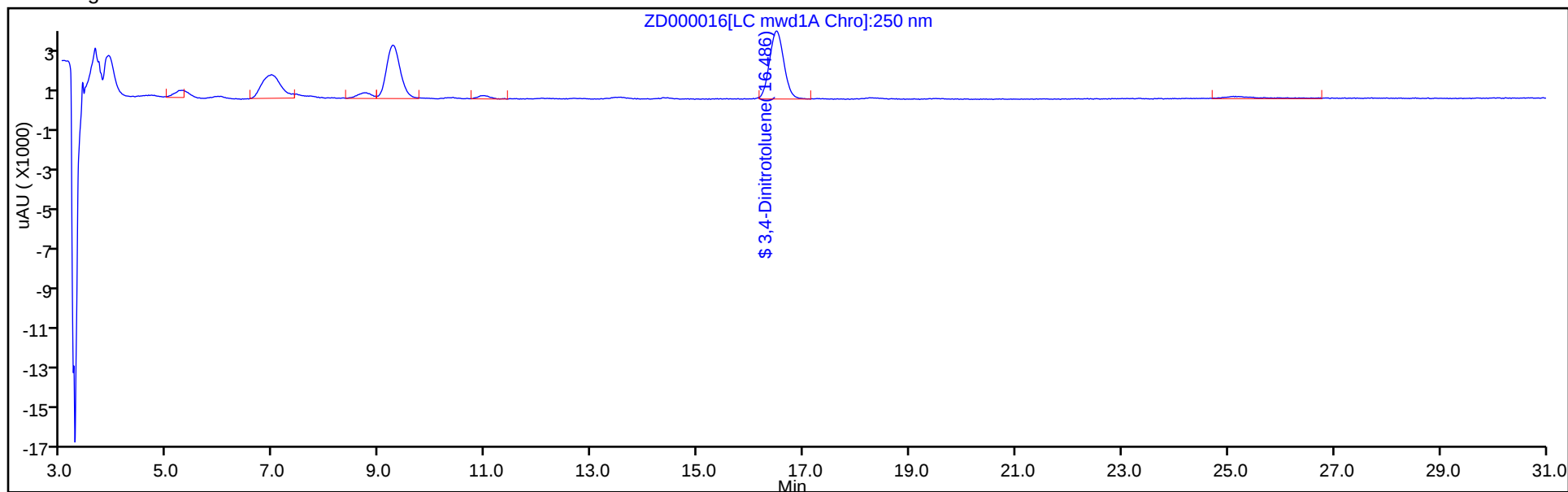
Operator ID: RN

Injection Vol: 500.0 ul

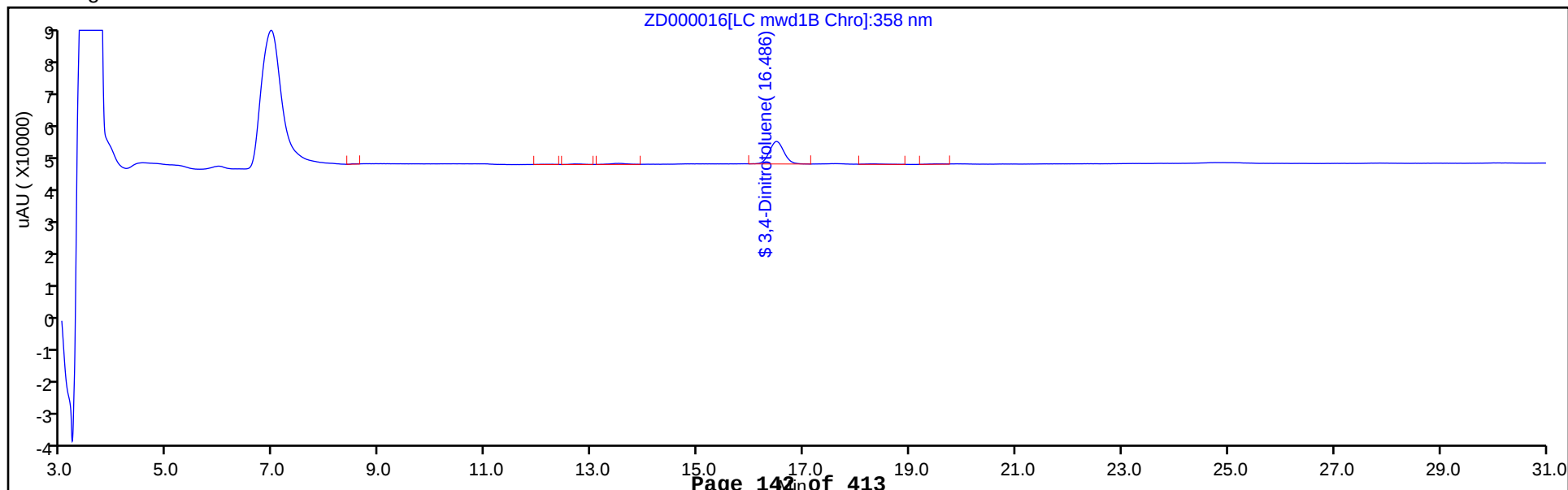
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0006M-0001,0002-SO Lab Sample ID: 240-22559-6
Matrix: Solid Lab File ID: ZD000017.D
Analysis Method: 8330B Date Collected: 03/26/2013 11:05
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.04(g) Date Analyzed: 05/30/2013 21:42
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	96		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000017.D
Lims ID: 240-22559-Q-6-J Client ID: 078SB-0006M-0001,0002-SO
Inject. Date: 30-May-2013 21:42:06 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-010
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 19
Lims Batch ID: 17382 Lims Sample ID: 10
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:11:19

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX

1 5.242 5.188 0.054 414 3.30

\$ 30 3,4-Dinitrotoluene

1 16.462 16.451 0.011 3434 60.0

2 16.462 16.451 0.011 7056 65.8

Report Date: 31-May-2013 07:15:22

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000017.D

Injection Date: 30-May-2013 21:42:06

Limit Group: LC 8330B ICAL

Client ID: 078SB-0006M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 10

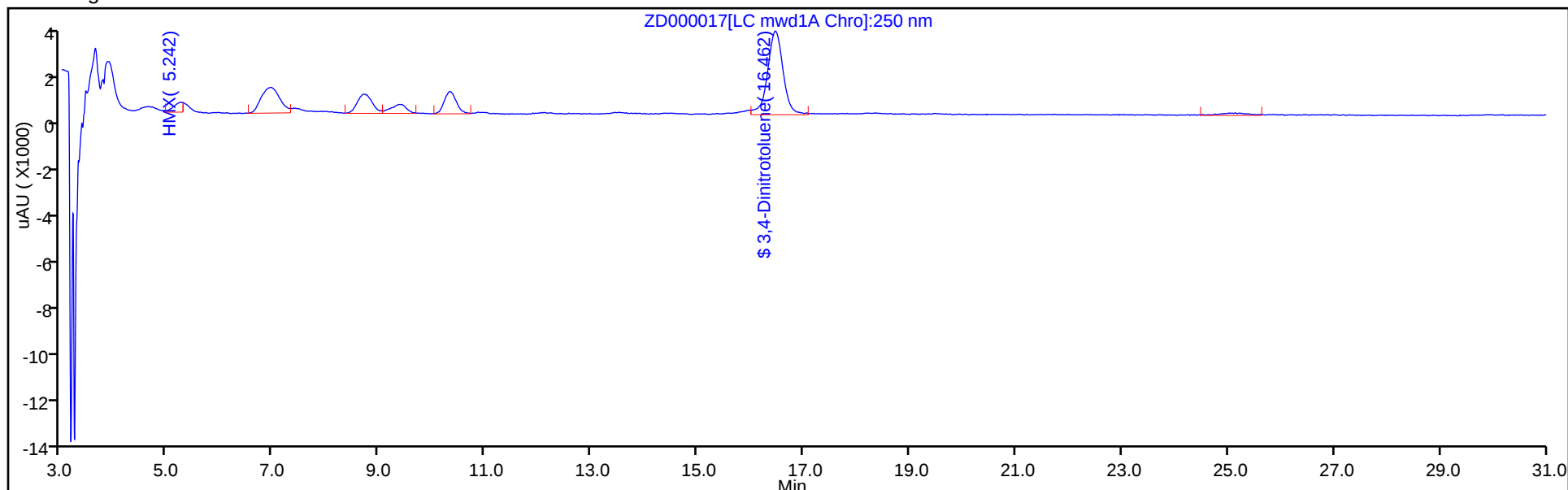
Operator ID: RN

Injection Vol: 500.0 ul

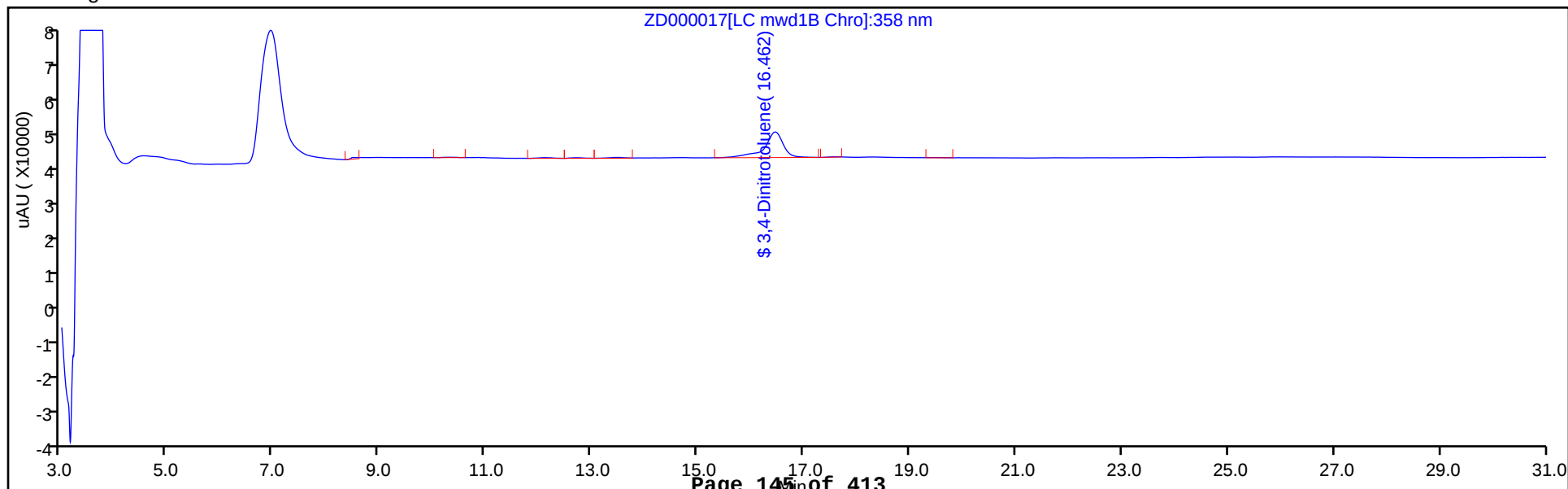
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0008M-0001-SO Lab Sample ID: 240-22559-8
Matrix: Solid Lab File ID: ZD000021.D
Analysis Method: 8330B Date Collected: 03/26/2013 10:06
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.01(g) Date Analyzed: 05/31/2013 00:37
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000021.D
Lims ID: 240-22559-F-8-D Client ID: 078SB-0008M-0001-SO
Inject. Date: 31-May-2013 00:37:08 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-014
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 22
Lims Batch ID: 17382 Lims Sample ID: 14
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2	14.728	14.592	0.136	114	1.62	
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\$ 30 3,4-Dinitrotoluene

1	16.455	16.525	-0.070	3322	58.1	
2	16.455	16.522	-0.067	6441	60.1	

Report Date: 31-May-2013 07:15:26

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000021.D

Injection Date: 31-May-2013 00:37:08

Limit Group: LC 8330B ICAL

Client ID: 078SB-0008M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 14

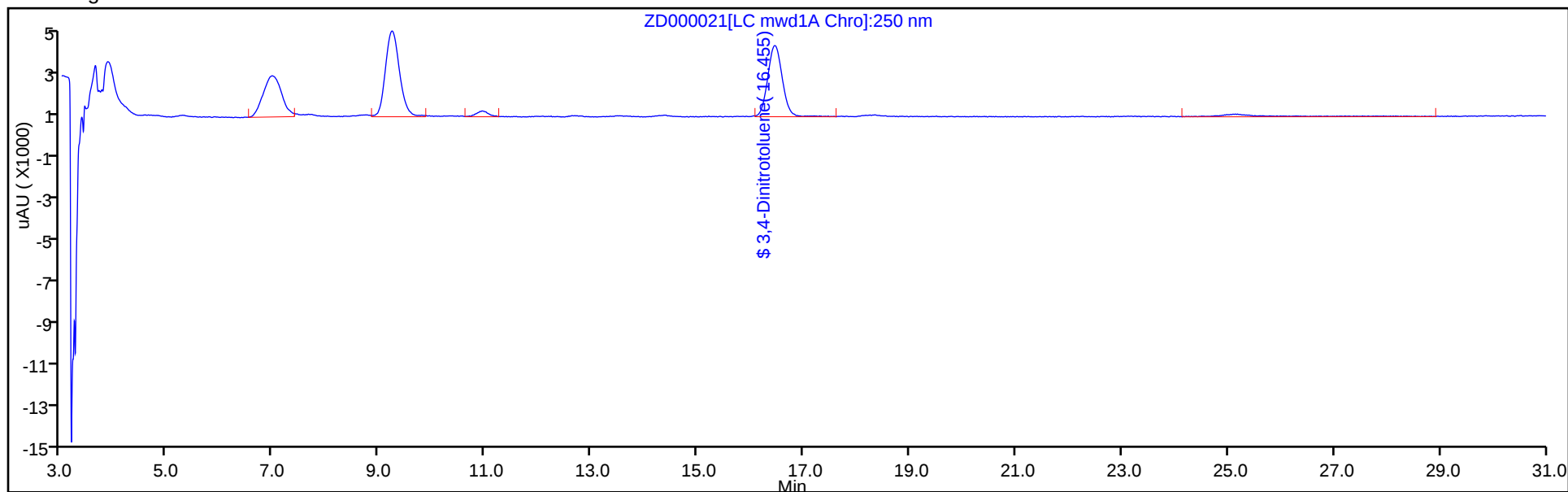
Operator ID: RN

Injection Vol: 500.0 ul

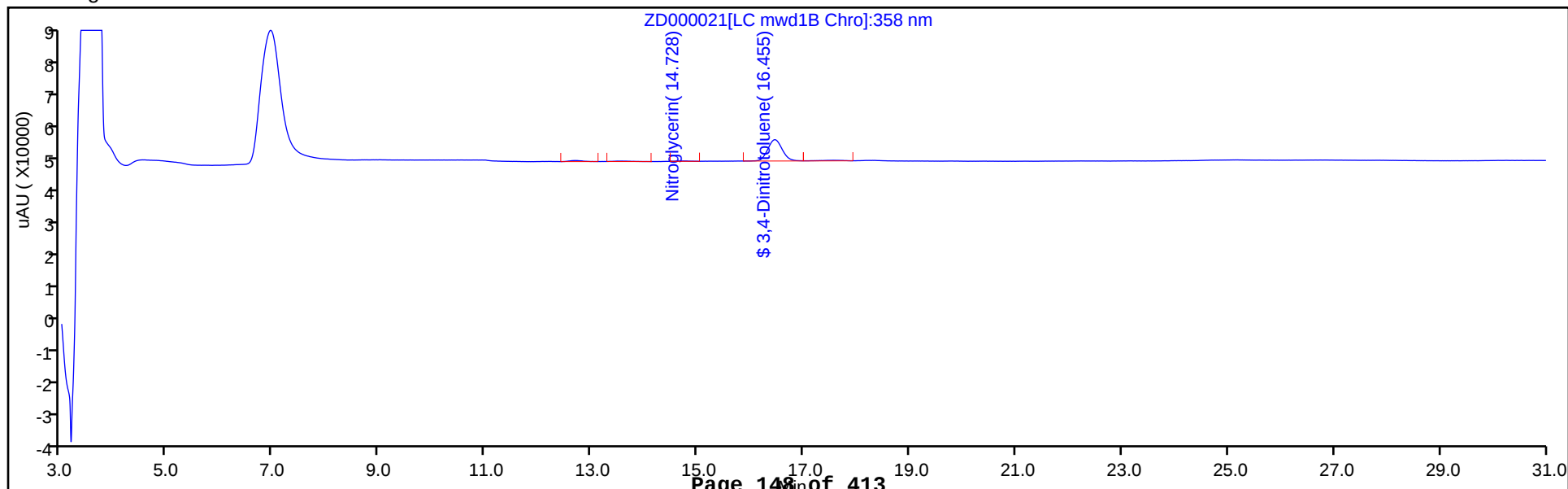
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0009M-0001-SO Lab Sample ID: 240-22559-10
Matrix: Solid Lab File ID: ZD000022.D
Analysis Method: 8330B Date Collected: 03/26/2013 10:06
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.10(g) Date Analyzed: 05/31/2013 01:20
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	90		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000022.D
Lims ID: 240-22559-F-10-D Client ID: 078SB-0009M-0001-SO
Inject. Date: 31-May-2013 01:20:48 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-015
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 23
Lims Batch ID: 17382 Lims Sample ID: 15
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:12:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.550	16.525	0.025	3235	56.5	
2	16.550	16.522	0.028	6322	59.0	

Report Date: 31-May-2013 07:15:27

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000022.D

Injection Date: 31-May-2013 01:20:48

Limit Group: LC 8330B ICAL

Client ID: 078SB-0009M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 15

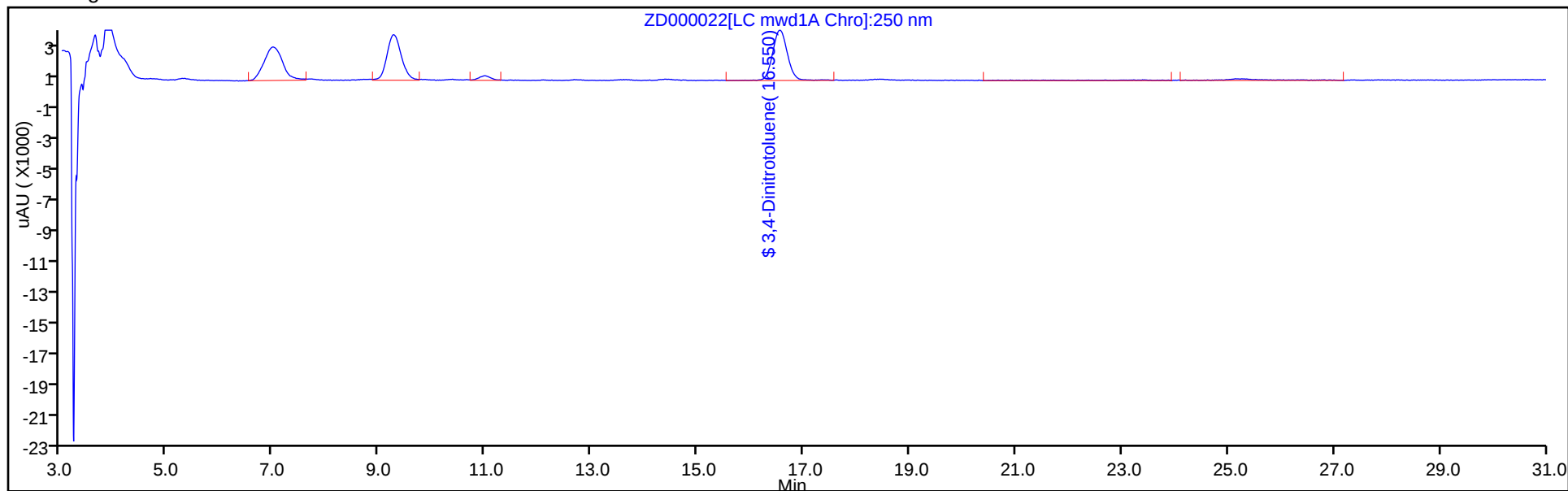
Operator ID: RN

Injection Vol: 500.0 ul

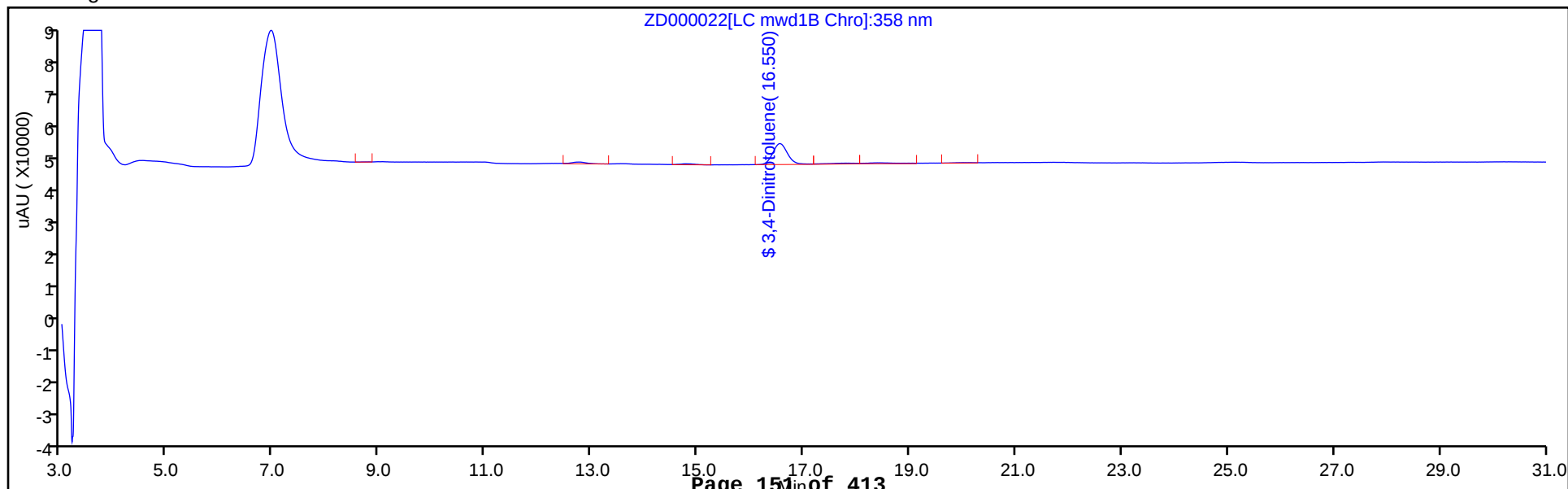
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0011M-0001-SO Lab Sample ID: 240-22559-11
Matrix: Solid Lab File ID: ZD000023.D
Analysis Method: 8330B Date Collected: 03/26/2013 12:01
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.07(g) Date Analyzed: 05/31/2013 02:04
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	90		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000023.D
Lims ID: 240-22559-F-11-D Client ID: 078SB-0011M-0001-SO
Inject. Date: 31-May-2013 02:04:28 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-016
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 24
Lims Batch ID: 17382 Lims Sample ID: 16
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2	14.621	14.592	0.029	2704	38.5	
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\$ 30 3,4-Dinitrotoluene

1	16.438	16.525	-0.087	3206	56.0	
2	16.441	16.522	-0.081	6482	60.5	

Report Date: 31-May-2013 07:15:28

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000023.D

Injection Date: 31-May-2013 02:04:28

Limit Group: LC 8330B ICAL

Client ID: 078SB-0011M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 16

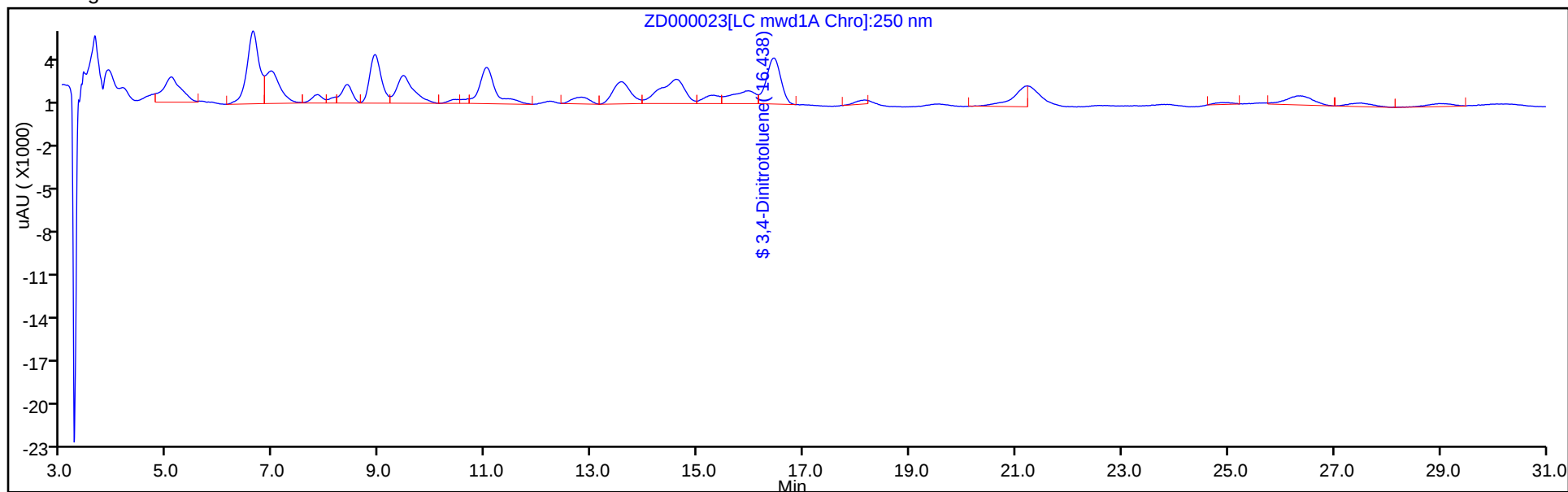
Operator ID: RN

Injection Vol: 500.0 ul

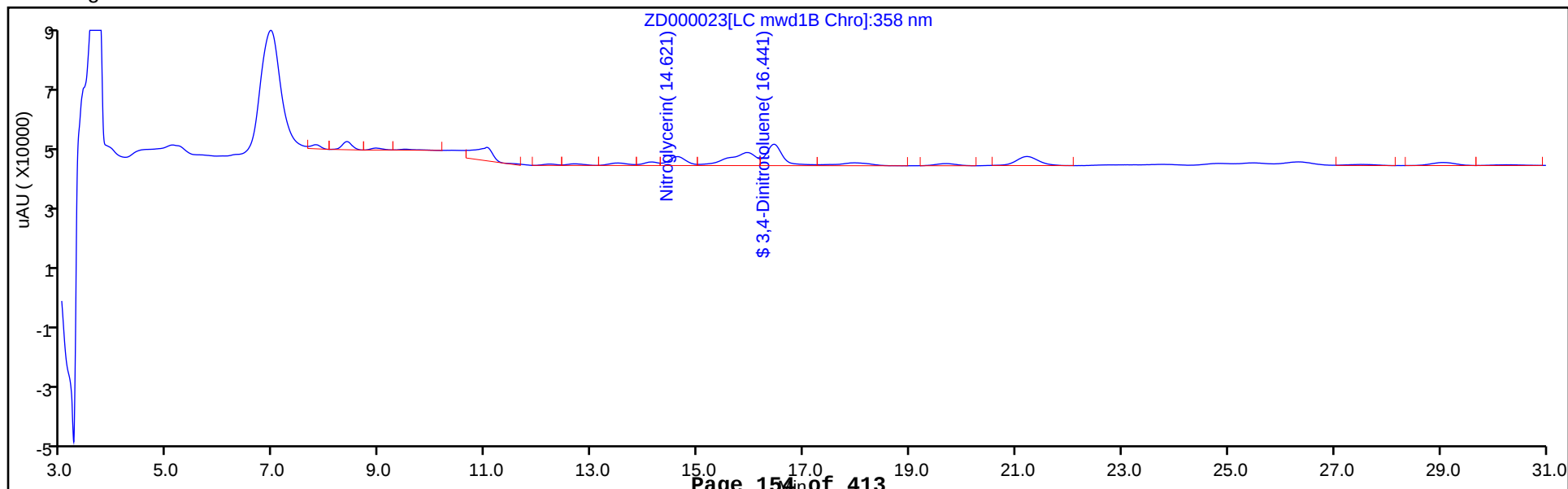
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Client Sample ID: 078SB-0011M-0001-SO Lab Sample ID: 240-22559-11
 Matrix: Solid Lab File ID: ZE000017.D
 Analysis Method: 8330B Date Collected: 03/26/2013 12:01
 Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
 Sample wt/vol: 10.07(g) Date Analyzed: 06/01/2013 04:00
 Con. Extract Vol.: 80(mL) Dilution Factor: 1
 Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	1663	Q	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000017.D
Lims ID: 240-22559-F-11-D Client ID: 078SB-0011M-0001-SO
Inject. Date: 01-Jun-2013 04:00:20 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004817-036
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 14
Lims Batch ID: 17433 Lims Sample ID: 36
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 08:07:32 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:58:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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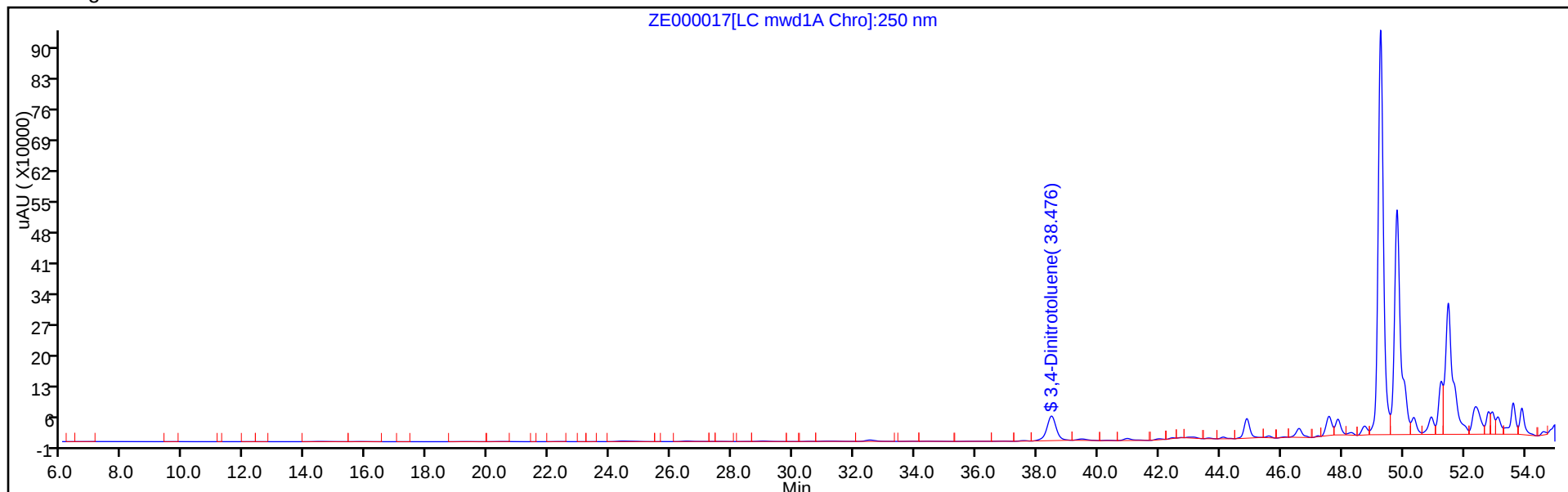
\$ 30 3,4-Dinitrotoluene

1 38.476 38.684 -0.208 55536 1039.7

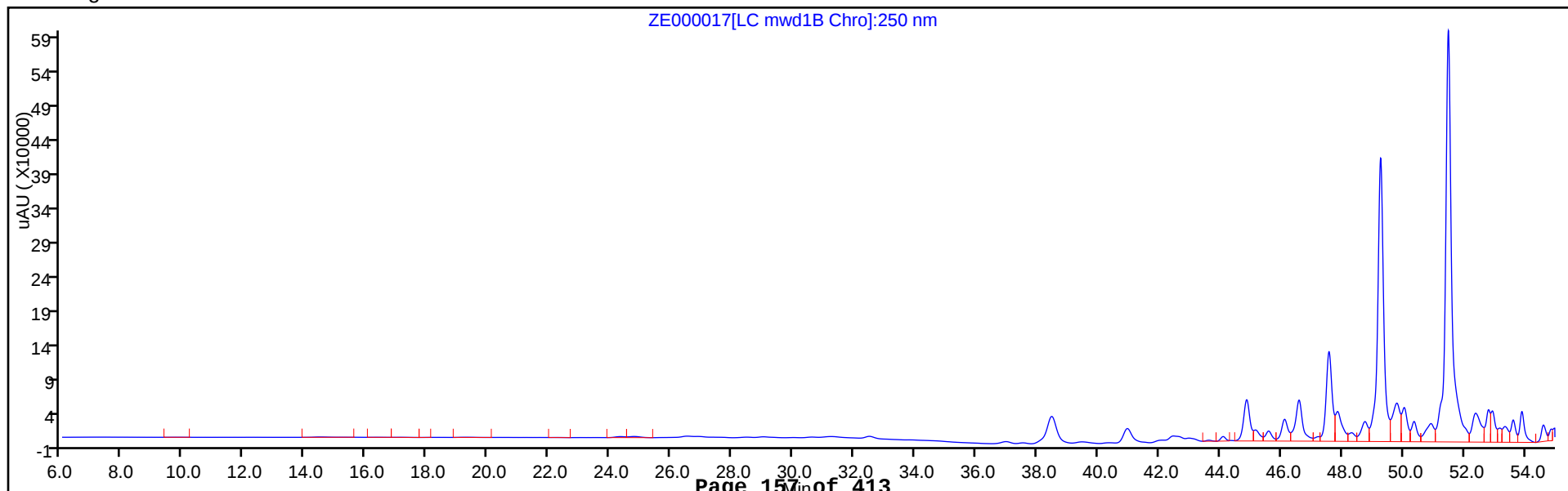
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000017.D
Injection Date: 01-Jun-2013 04:00:20 Limit Group: LC 8330B ICAL
Client ID: 078SB-0011M-0001-SO Instrument ID: LC12
Lims Batch ID: 17433 Lims Sample ID: 36
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0012M-0001-SO Lab Sample ID: 240-22559-12
Matrix: Solid Lab File ID: ZD000024.D
Analysis Method: 8330B Date Collected: 03/26/2013 11:47
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.03(g) Date Analyzed: 05/31/2013 02:48
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	89		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000024.D
Lims ID: 240-22559-F-12-D Client ID: 078SB-0012M-0001-SO
Inject. Date: 31-May-2013 02:48:10 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-017
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 25
Lims Batch ID: 17382 Lims Sample ID: 17
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2	14.745	14.592	0.153	357	5.08	
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\$ 30 3,4-Dinitrotoluene

1	16.505	16.525	-0.020	3175	55.5	
2	16.509	16.522	-0.013	6152	57.4	

Report Date: 31-May-2013 07:15:28

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000024.D

Injection Date: 31-May-2013 02:48:10

Limit Group: LC 8330B ICAL

Client ID: 078SB-0012M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 17

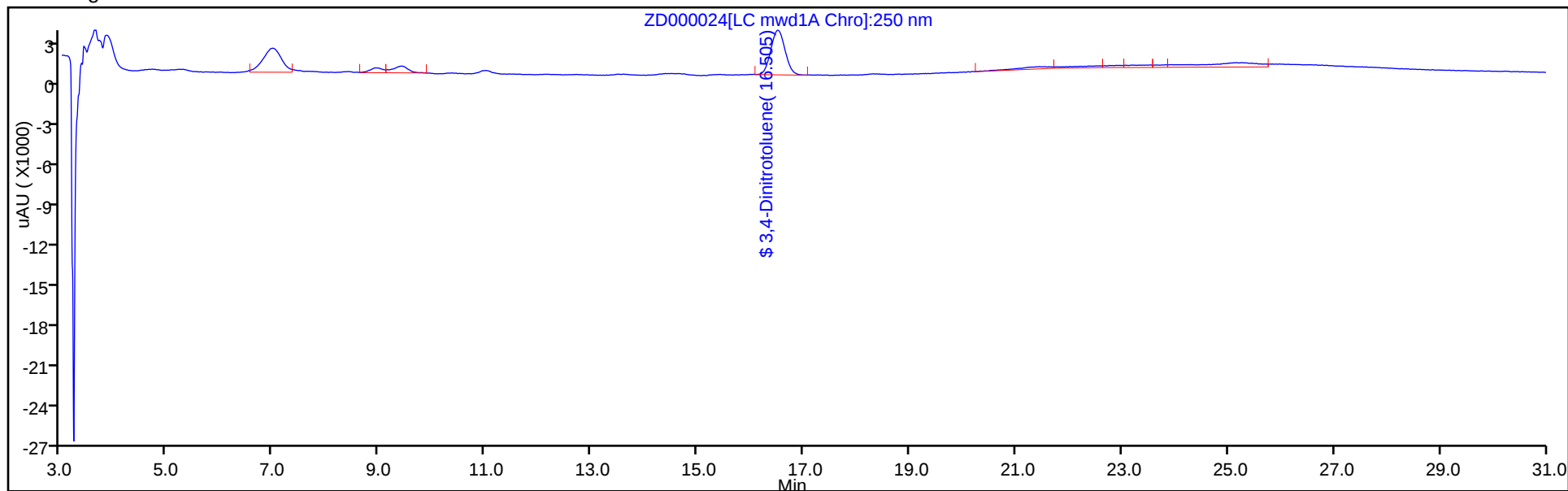
Operator ID: RN

Injection Vol: 500.0 ul

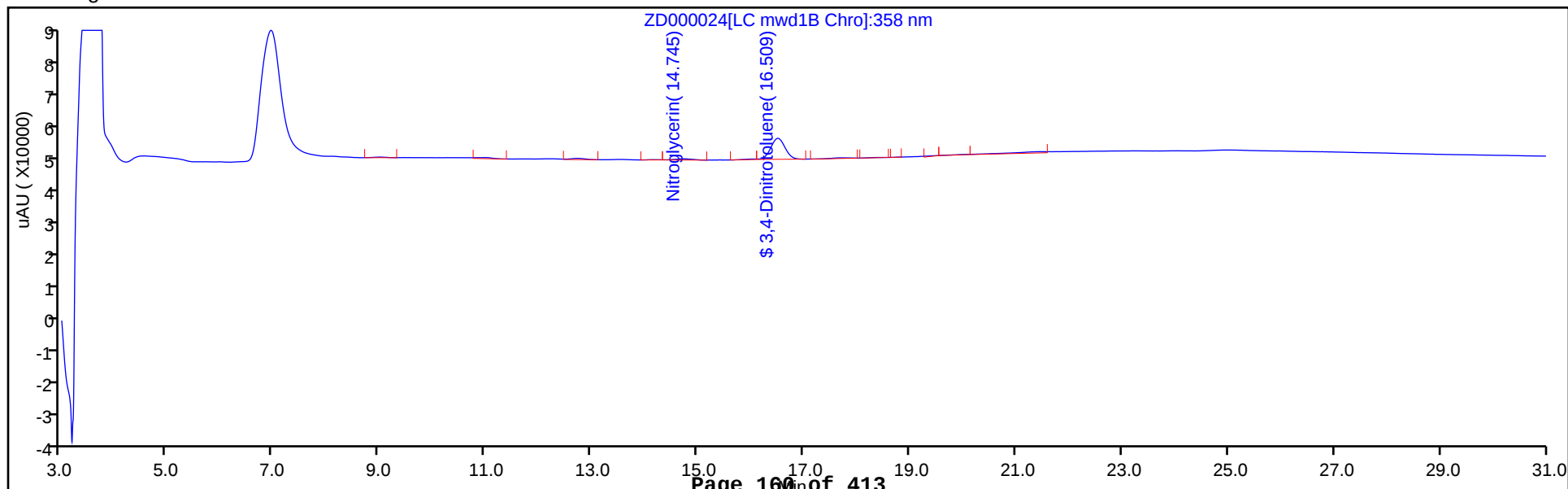
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0012M-0001-SO Lab Sample ID: 240-22559-12
Matrix: Solid Lab File ID: ZE000018.D
Analysis Method: 8330B Date Collected: 03/26/2013 11:47
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.03(g) Date Analyzed: 06/01/2013 05:06
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Zorbax CN ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	184	Q	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000018.D
Lims ID: 240-22559-F-12-D Client ID: 078SB-0012M-0001-SO
Inject. Date: 01-Jun-2013 05:06:44 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004817-037
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 15
Lims Batch ID: 17433 Lims Sample ID: 37
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 08:07:32 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:07:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1 38.437 38.684 -0.247 6139 114.9

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000018.D

Injection Date: 01-Jun-2013 05:06:44

Limit Group: LC 8330B ICAL

Client ID: 078SB-0012M-0001-SO

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 37

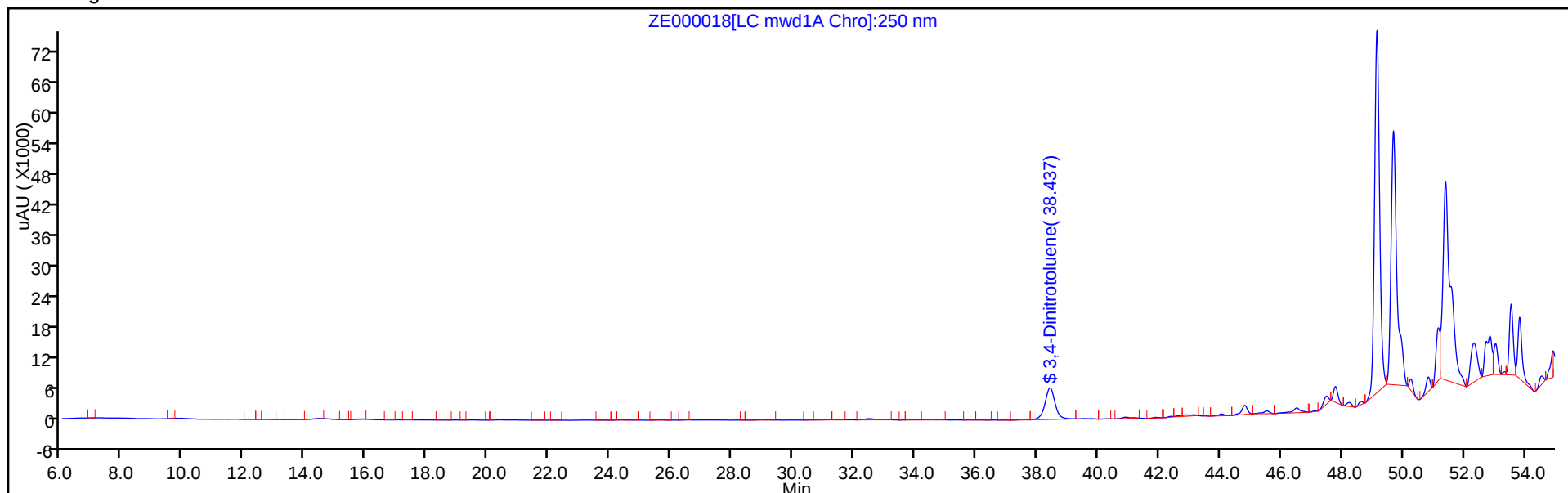
Operator ID: RN

Injection Vol: 500.0 ul

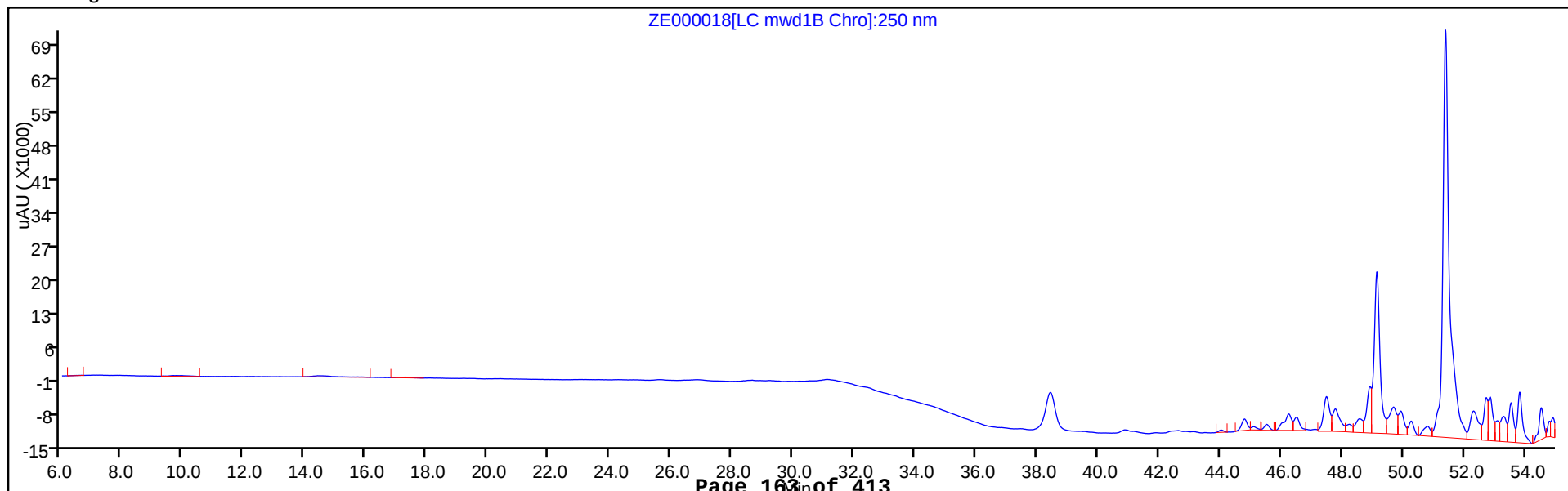
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0015M-0001,0002-SO Lab Sample ID: 240-22559-13
Matrix: Solid Lab File ID: ZD000027.D
Analysis Method: 8330B Date Collected: 03/26/2013 16:13
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.01(g) Date Analyzed: 05/31/2013 04:59
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H J	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000027.D
Lims ID: 240-22559-P-13-A Client ID: 078SB-0015M-0001,0002-SO
Inject. Date: 31-May-2013 04:59:20 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-020
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 28
Lims Batch ID: 17382 Lims Sample ID: 20
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:13:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.598	16.525	0.073	3347	58.5
2	16.598	16.522	0.076	6913	64.5

Report Date: 31-May-2013 07:15:30

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000027.D

Injection Date: 31-May-2013 04:59:20

Limit Group: LC 8330B ICAL

Client ID: 078SB-0015M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 20

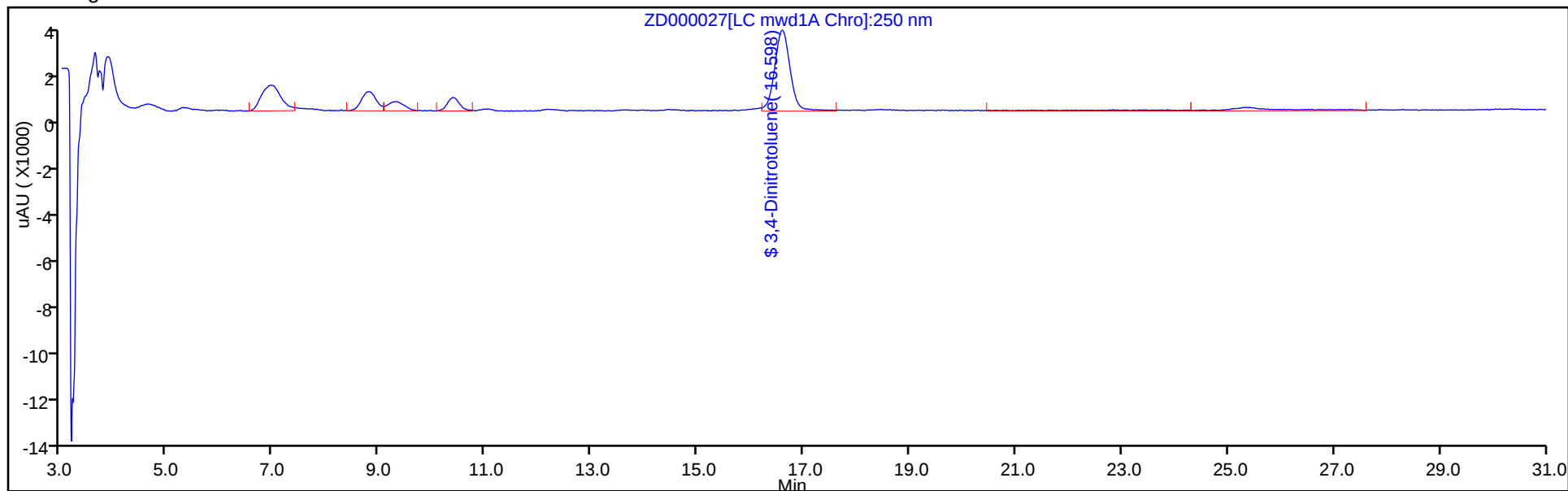
Operator ID: RN

Injection Vol: 500.0 ul

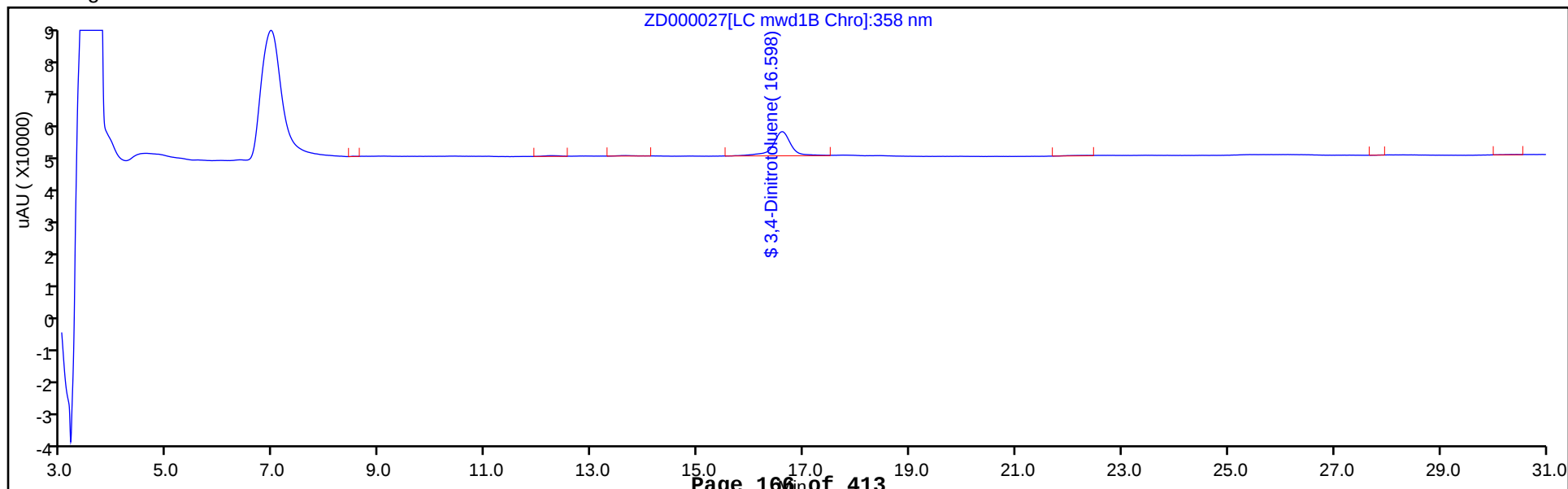
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Client Sample ID: 078SB-0017M-0001-SO Lab Sample ID: 240-22559-15
 Matrix: Solid Lab File ID: ZD000031.D
 Analysis Method: 8330B Date Collected: 03/26/2013 16:56
 Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
 Sample wt/vol: 10.01(g) Date Analyzed: 05/31/2013 07:54
 Con. Extract Vol.: 80 (mL) Dilution Factor: 1
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000031.D
Lims ID: 240-22559-F-15-D Client ID: 078SB-0017M-0001-SO
Inject. Date: 31-May-2013 07:54:08 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-024
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 31
Lims Batch ID: 17382 Lims Sample ID: 24
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 09:07:55 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 09:08:06

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.557	16.468	0.089	3358	58.7	
2	16.560	16.471	0.089	6685	62.4	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000031.D

Injection Date: 31-May-2013 07:54:08

Limit Group: LC 8330B ICAL

Client ID: 078SB-0017M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 24

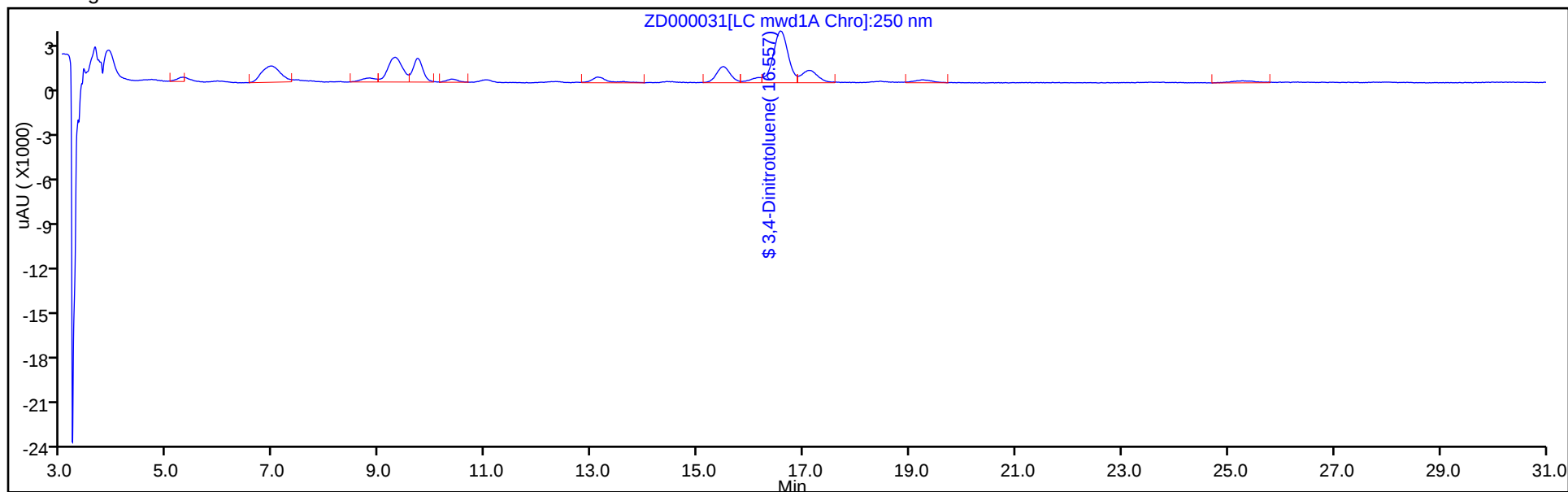
Operator ID: RN

Injection Vol: 500.0 ul

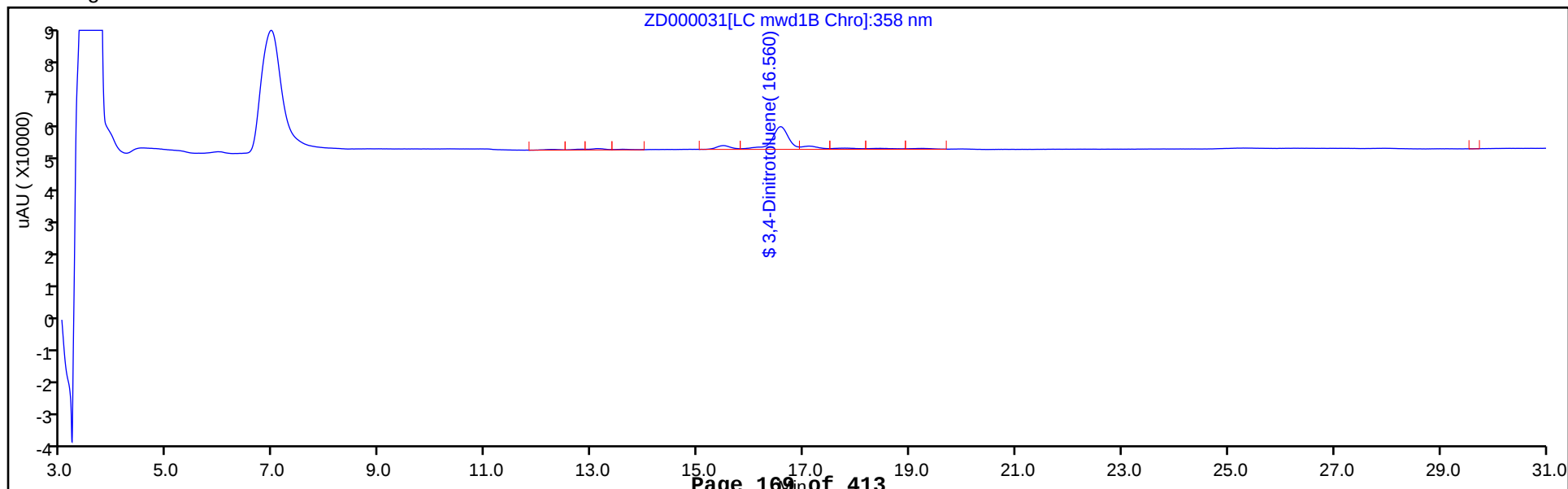
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0018M-0001-SO Lab Sample ID: 240-22559-16
Matrix: Solid Lab File ID: ZD000032.D
Analysis Method: 8330B Date Collected: 03/26/2013 16:56
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.08(g) Date Analyzed: 05/31/2013 08:37
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000032.D
Lims ID: 240-22559-F-16-D Client ID: 078SB-0018M-0001-SO
Inject. Date: 31-May-2013 08:37:50 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-025
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 32
Lims Batch ID: 17382 Lims Sample ID: 25
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 10:48:08 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 10:48:25

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.576	16.468	0.108	3321	58.0
2	16.572	16.471	0.101	6680	62.3

Report Date: 31-May-2013 10:48:26

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000032.D

Injection Date: 31-May-2013 08:37:50

Limit Group: LC 8330B ICAL

Client ID: 078SB-0018M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 25

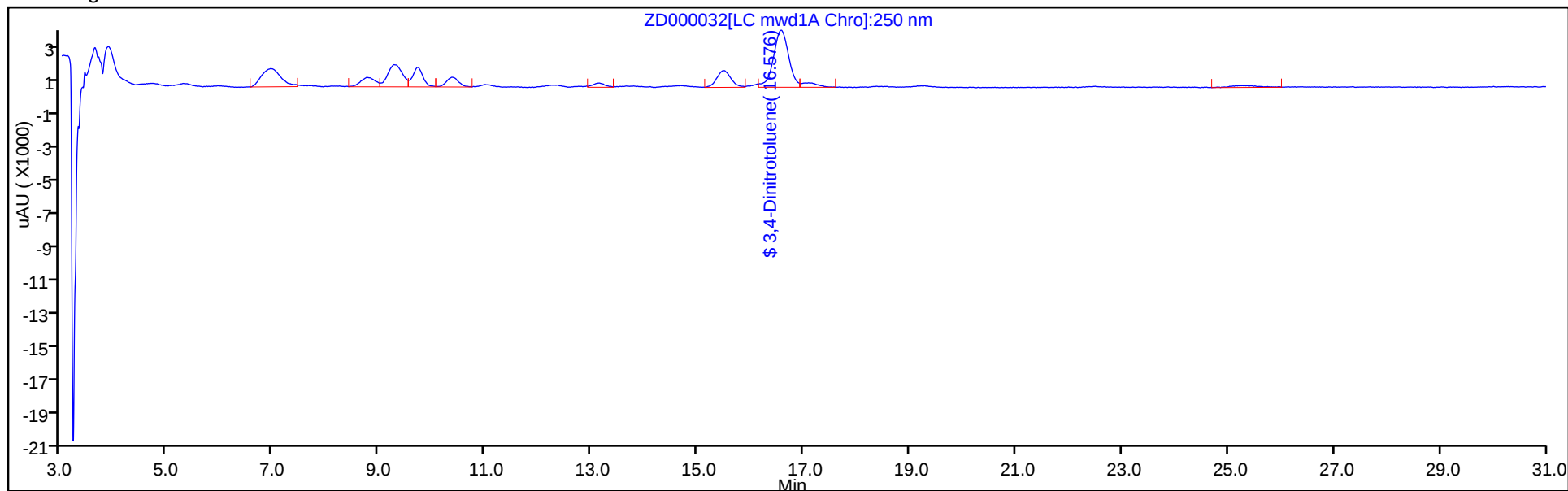
Operator ID: RN

Injection Vol: 500.0 ul

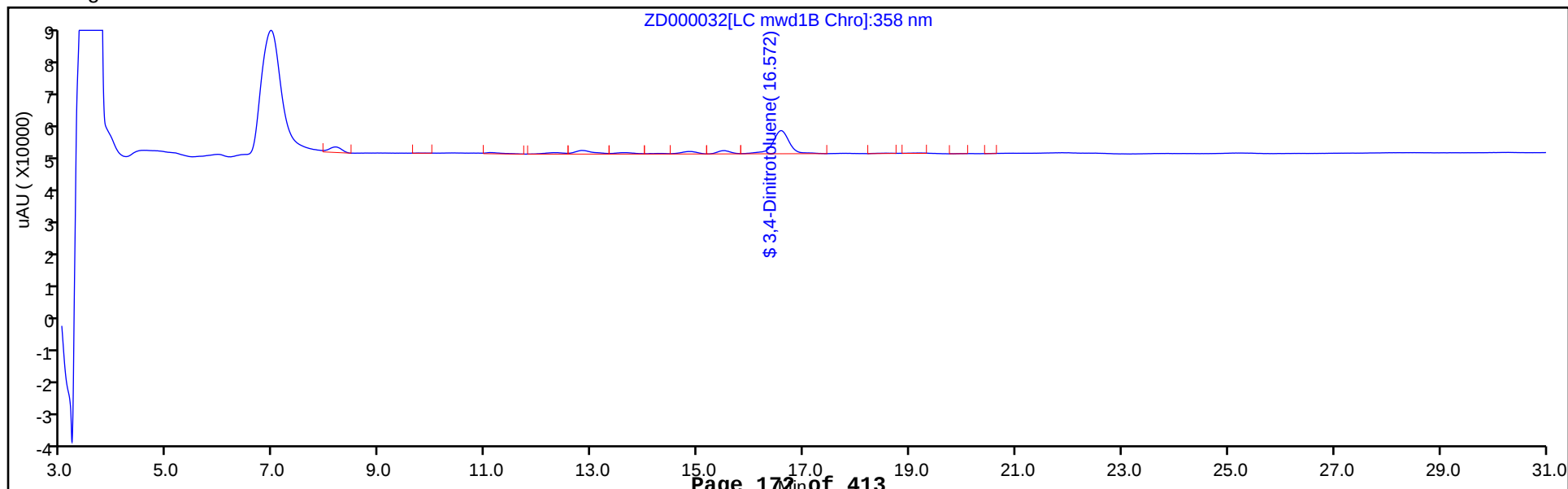
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0020M-0001-SO Lab Sample ID: 240-22559-17
Matrix: Solid Lab File ID: ZD000033.D
Analysis Method: 8330B Date Collected: 03/26/2013 17:10
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.06(g) Date Analyzed: 05/31/2013 09:21
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000033.D
Lims ID: 240-22559-F-17-D Client ID: 078SB-0020M-0001-SO
Inject. Date: 31-May-2013 09:21:38 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-026
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 33
Lims Batch ID: 17382 Lims Sample ID: 26
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 10:48:08 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 10:48:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.495	16.468	0.027	3286	57.4
2	16.495	16.471	0.024	6263	58.4

Report Date: 31-May-2013 10:48:32

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000033.D

Injection Date: 31-May-2013 09:21:38

Limit Group: LC 8330B ICAL

Client ID: 078SB-0020M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 26

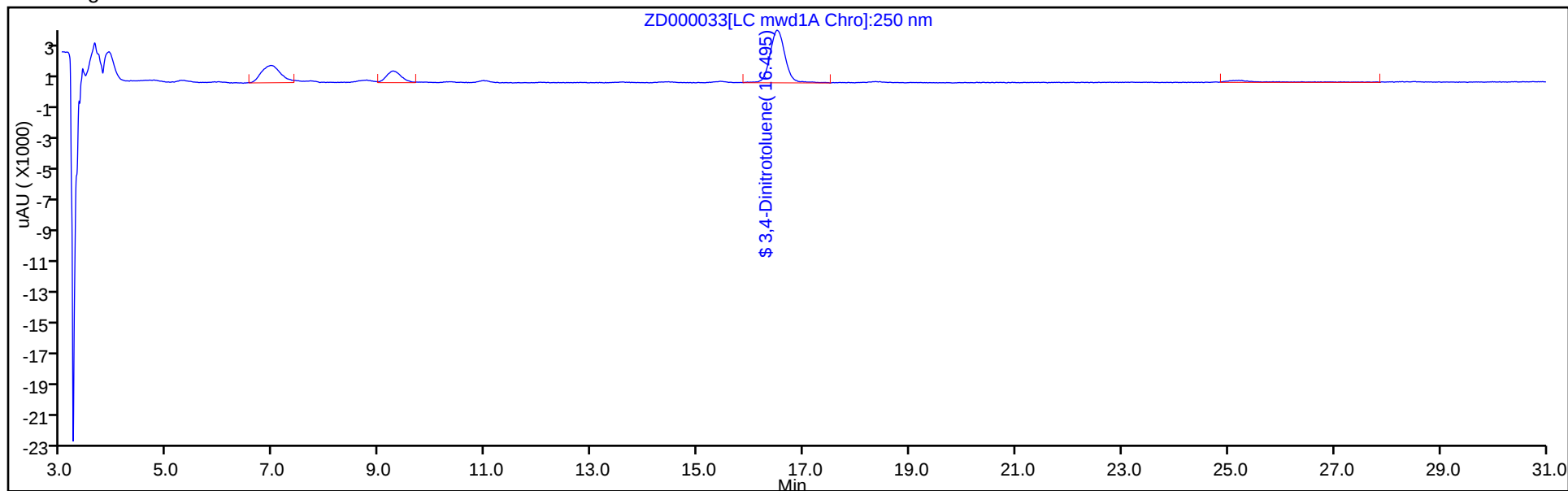
Operator ID: RN

Injection Vol: 500.0 ul

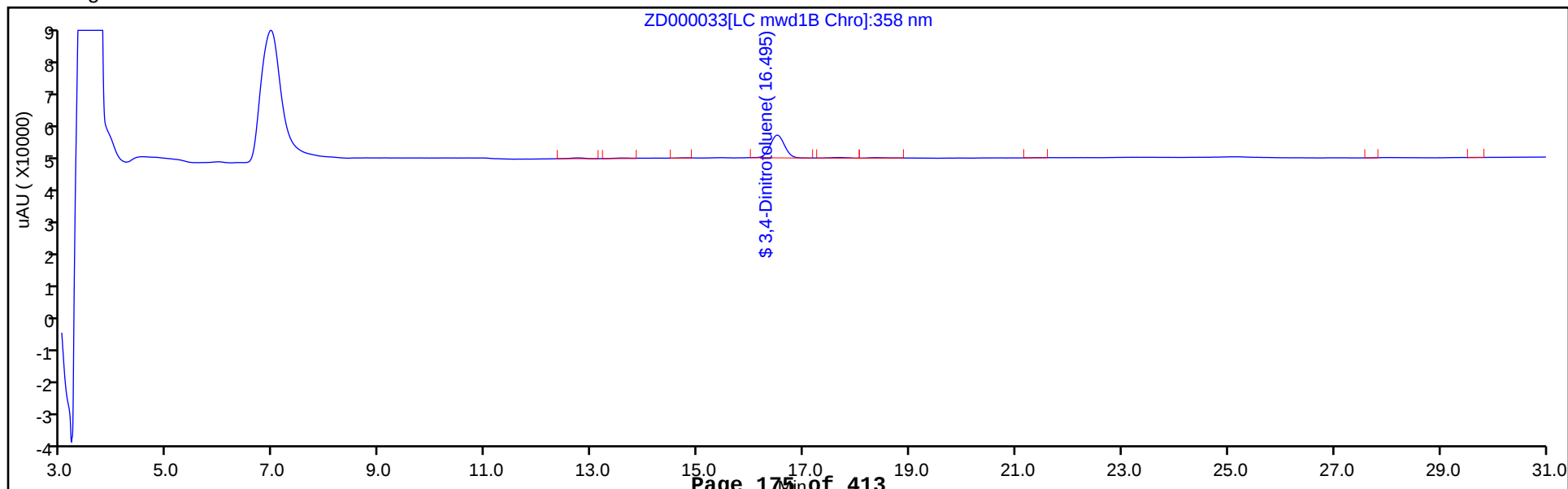
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Client Sample ID: 078SB-0021M-0001-SO Lab Sample ID: 240-22559-18
 Matrix: Solid Lab File ID: ZD000034.D
 Analysis Method: 8330B Date Collected: 03/26/2013 17:53
 Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
 Sample wt/vol: 10.00(g) Date Analyzed: 05/31/2013 10:05
 Con. Extract Vol.: 80(mL) Dilution Factor: 1
 Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	95		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000034.D
Lims ID: 240-22559-F-18-D Client ID: 078SB-0021M-0001-SO
Inject. Date: 31-May-2013 10:05:24 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-027
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 34
Lims Batch ID: 17382 Lims Sample ID: 27
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 10:48:08 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 10:49:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.402	16.468	-0.066	3411	59.6	
2	16.399	16.471	-0.072	6531	61.0	

Report Date: 31-May-2013 10:49:53

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000034.D

Injection Date: 31-May-2013 10:05:24

Limit Group: LC 8330B ICAL

Client ID: 078SB-0021M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 27

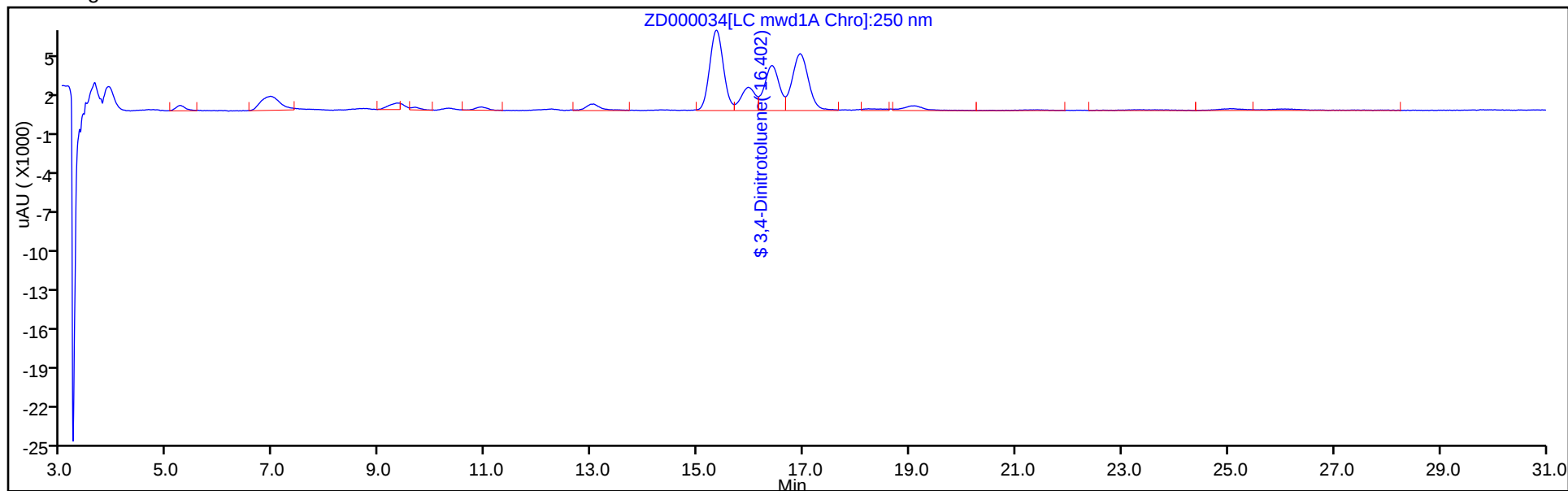
Operator ID: RN

Injection Vol: 500.0 ul

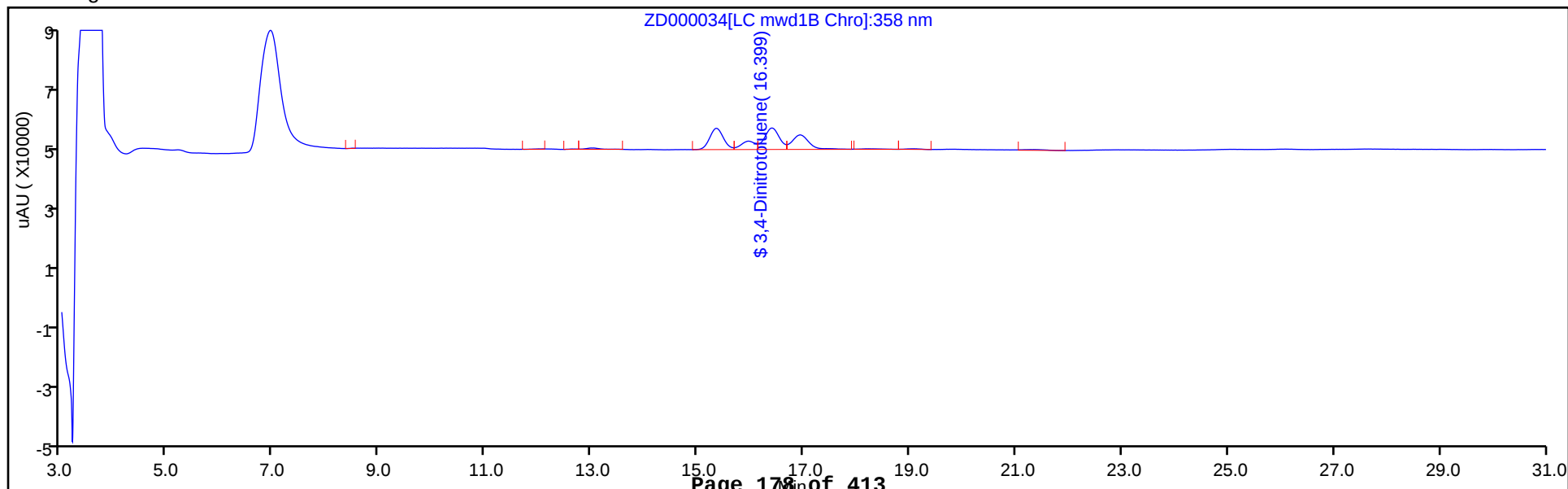
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0013M-0001-SO Lab Sample ID: 240-22559-19
Matrix: Solid Lab File ID: ZD000035.D
Analysis Method: 8330B Date Collected: 03/26/2013 17:02
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.03(g) Date Analyzed: 05/31/2013 10:49
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	95	M	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000035.D
Lims ID: 240-22559-C-19-D Client ID: 078SB-0013M-0001-SO
Inject. Date: 31-May-2013 10:49:09 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-028
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 35
Lims Batch ID: 17382 Lims Sample ID: 28
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 14:40:34 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 14:23:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30	3,4-Dinitrotoluene					M
1	16.445	16.468	-0.023	3401	59.4	M
2	16.445	16.471	-0.026	7112	66.4	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 31-May-2013 14:23:24

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000035.D

Injection Date: 31-May-2013 10:49:09

Limit Group: LC 8330B ICAL

Client ID: 078SB-0013M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 28

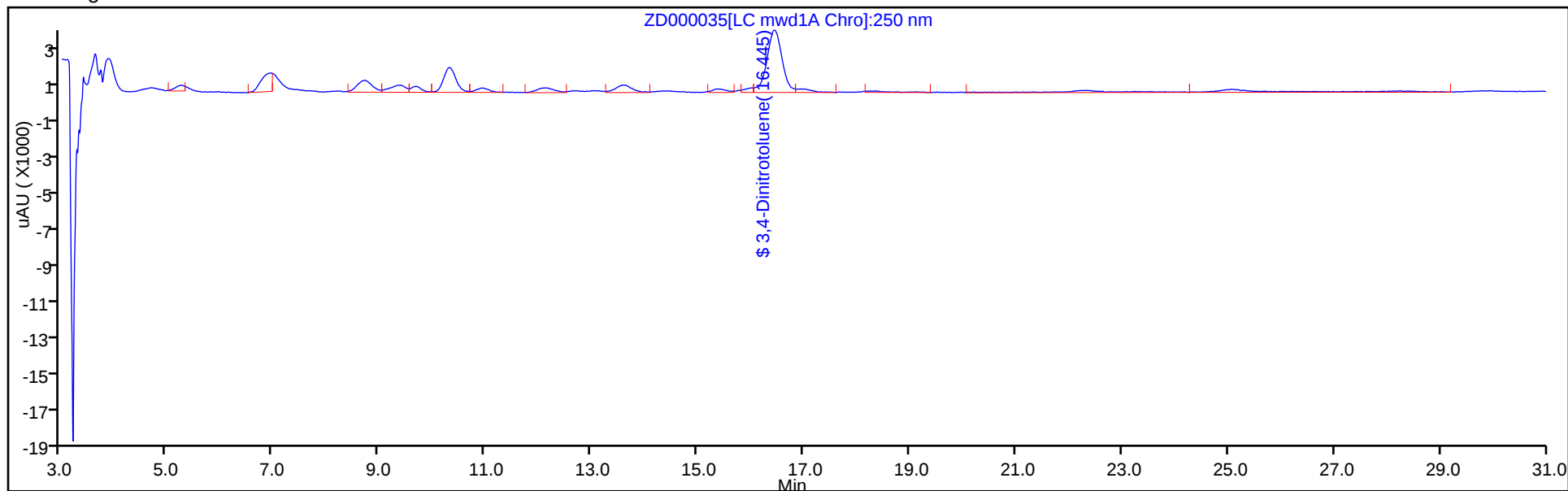
Operator ID: RN

Injection Vol: 500.0 ul

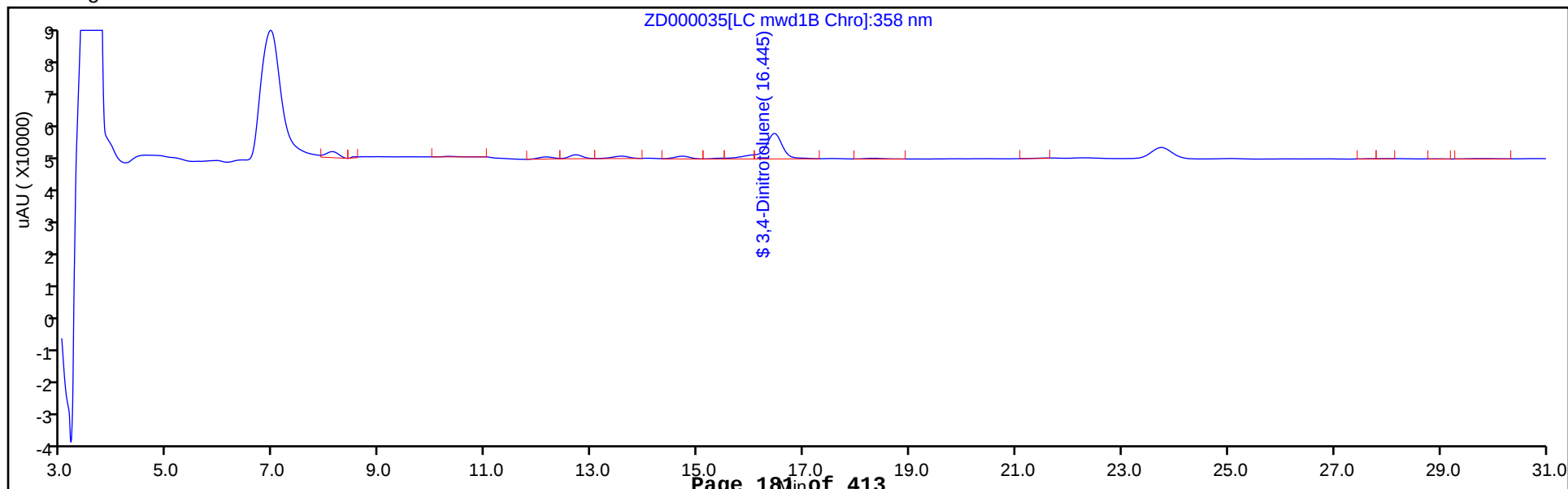
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



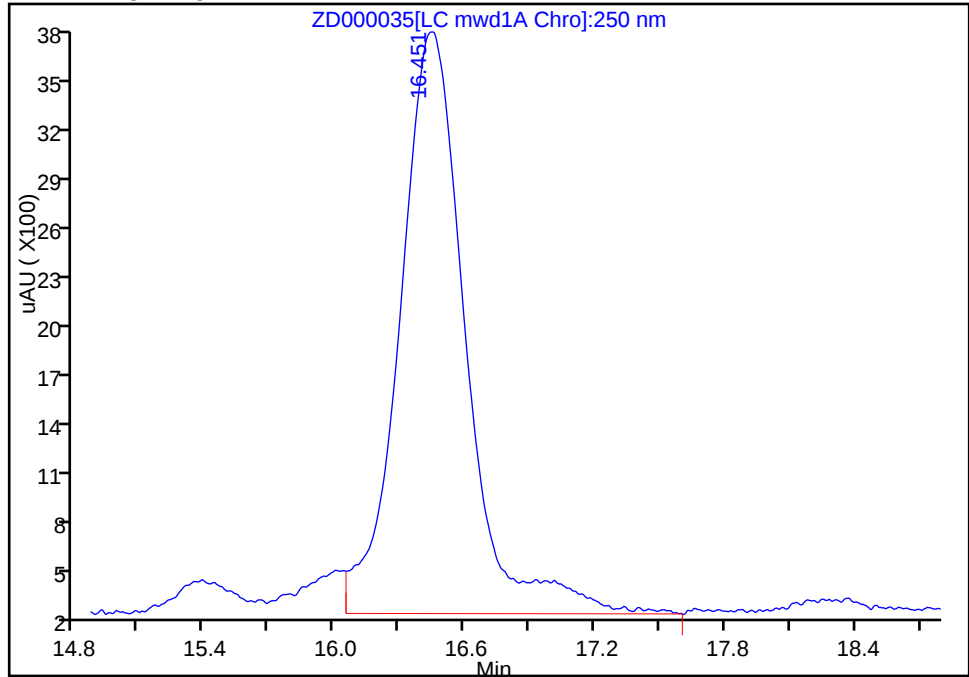
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000035.D
Injection Date: 31-May-2013 10:49:09 Limit Group: LC 8330B ICAL
Client ID: 078SB-0013M-0001-SO Instrument ID: LC10
Lims Batch ID: 17382 Lims Sample ID: 28
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 16.47, Det: LC mwd1A

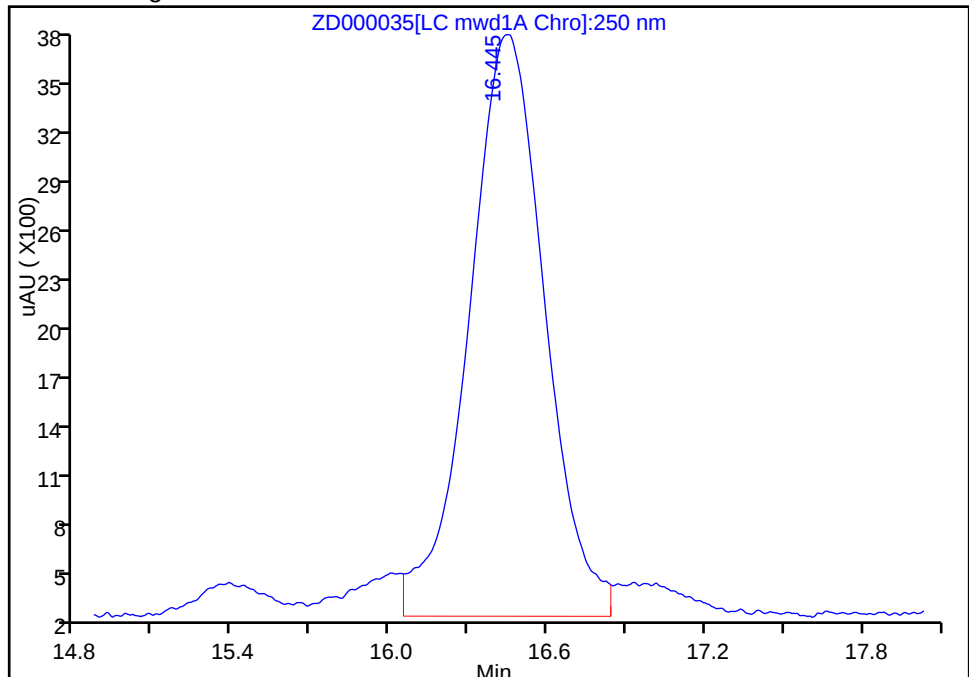
RT: 16.45
Response: 3401
Amount: 59.440290

Processing Integration Results



RT: 16.44
Response: 3401
Amount: 59.440290

Manual Integration Results



Reviewer: noonanr, 31-May-2013 12:28:25

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000035.D

Injection Date: 31-May-2013 10:49:09 Limit Group: LC 8330B ICAL

Client ID: 078SB-0013M-0001-SO Instrument ID: LC10

Lims Batch ID: 17382 Lims Sample ID: 28

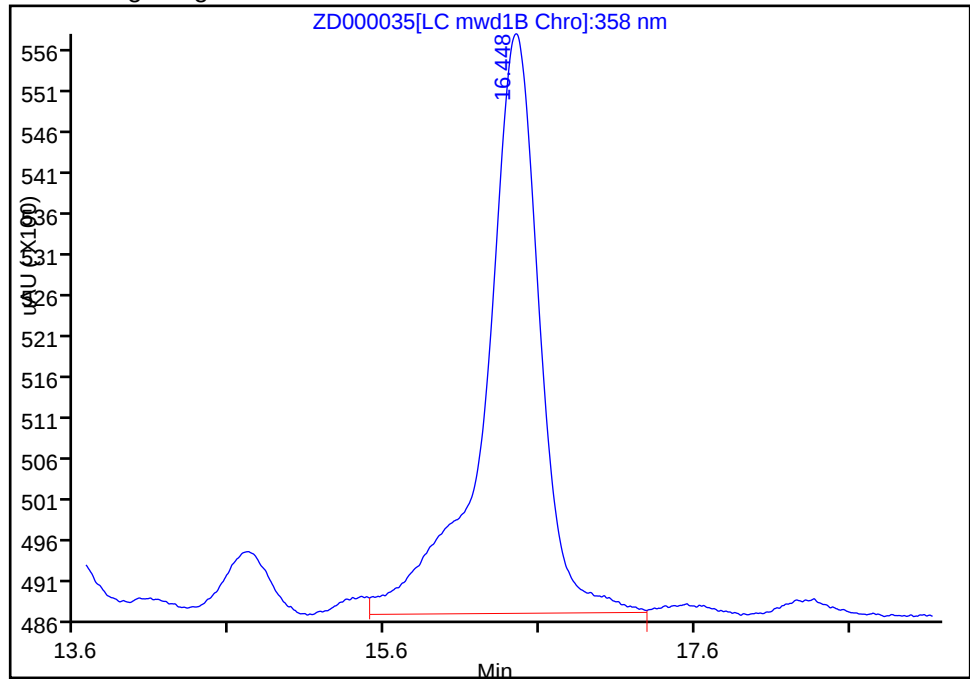
Operator ID: RN Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

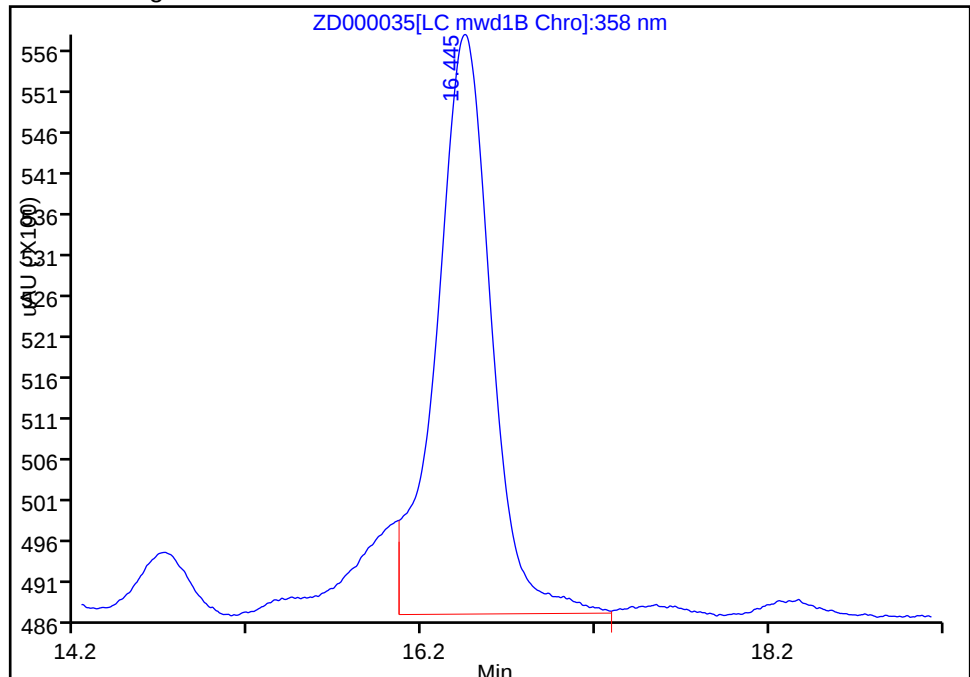
\$ 30 3,4-Dinitrotoluene, Signal: 2, Type: quant, RT: 16.47, Det: LC mwd1B

RT: 16.45
Response: 7111
Amount: 66.363283

Processing Integration Results

RT: 16.44
Response: 7112
Amount: 66.372616

Manual Integration Results



Reviewer: noonanr, 31-May-2013 12:28:25

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0023M-0001-SO Lab Sample ID: 240-22559-22
Matrix: Solid Lab File ID: ZD000045.D
Analysis Method: 8330B Date Collected: 03/26/2013 15:37
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.07(g) Date Analyzed: 05/31/2013 18:06
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000045.D
Lims ID: 240-22559-C-22-D Client ID: 078SB-0023M-0001-SO
Inject. Date: 31-May-2013 18:06:41 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-029
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 50
Lims Batch ID: 17382 Lims Sample ID: 72
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 03-Jun-2013 08:13:47 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:13:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.841	16.481	0.360	3308	57.8	
2	16.485	16.485	0.0	0	0	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000045.D

Injection Date: 31-May-2013 18:06:41

Limit Group: LC 8330B ICAL

Client ID: 078SB-0023M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 72

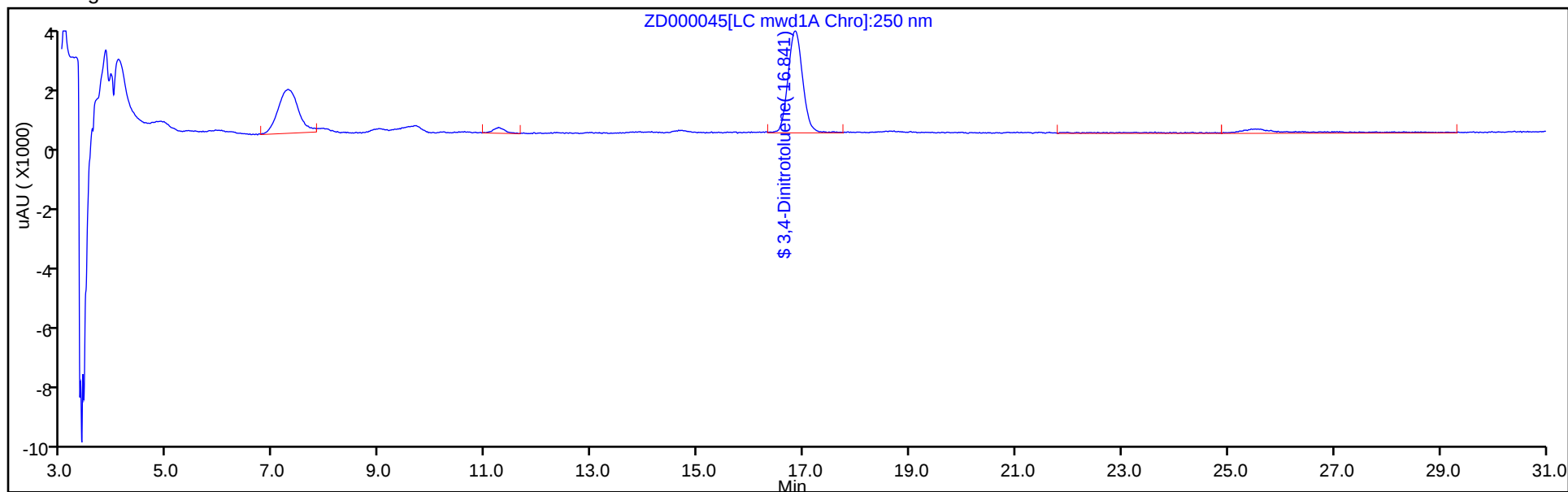
Operator ID: RN

Injection Vol: 500.0 ul

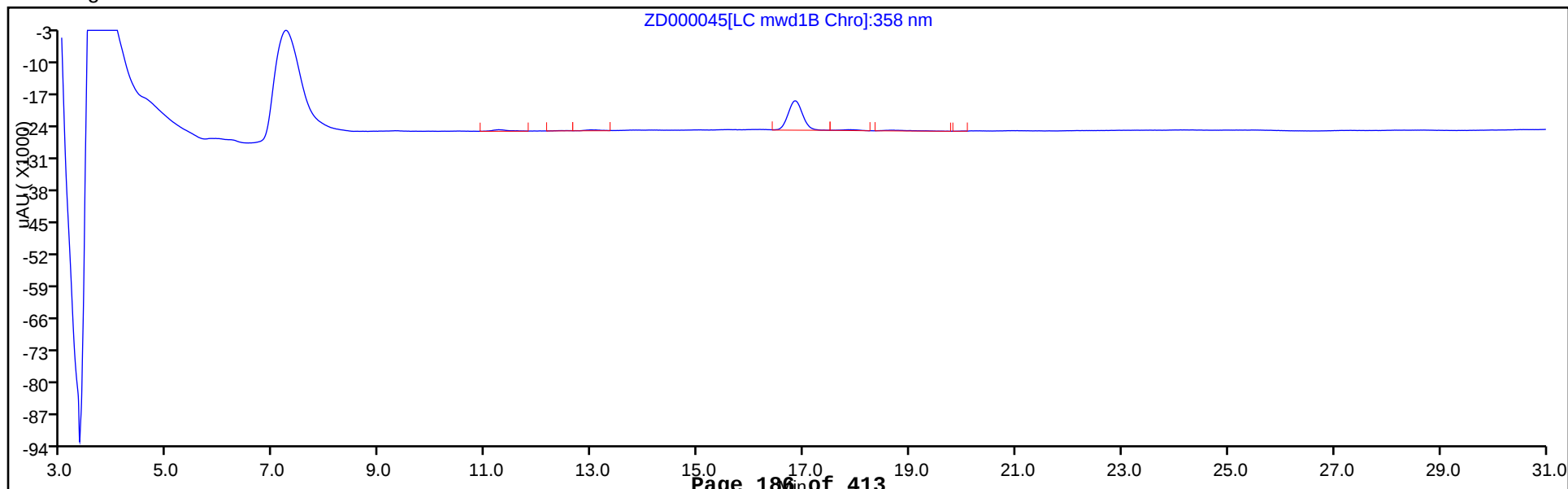
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0025M-0001-SO Lab Sample ID: 240-22559-23
Matrix: Solid Lab File ID: ZD000037.D
Analysis Method: 8330B Date Collected: 03/26/2013 12:38
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.02(g) Date Analyzed: 05/31/2013 12:16
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000037.D
Lims ID: 240-22559-F-23-D Client ID: 078SB-0025M-0001-SO
Inject. Date: 31-May-2013 12:16:47 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-030
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 37
Lims Batch ID: 17382 Lims Sample ID: 30
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 14:40:34 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 14:23:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.533	16.468	0.065	3291	57.5	
2	16.530	16.471	0.059	6366	59.4	

Report Date: 31-May-2013 14:23:45

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000037.D

Injection Date: 31-May-2013 12:16:47

Limit Group: LC 8330B ICAL

Client ID: 078SB-0025M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 30

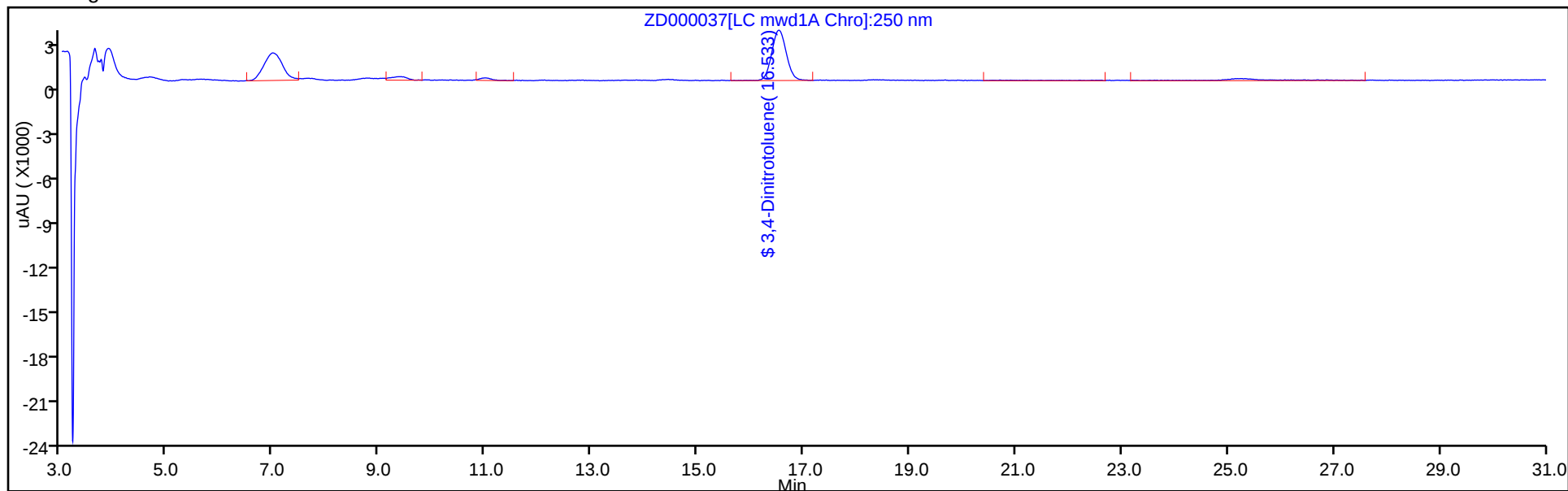
Operator ID: RN

Injection Vol: 500.0 ul

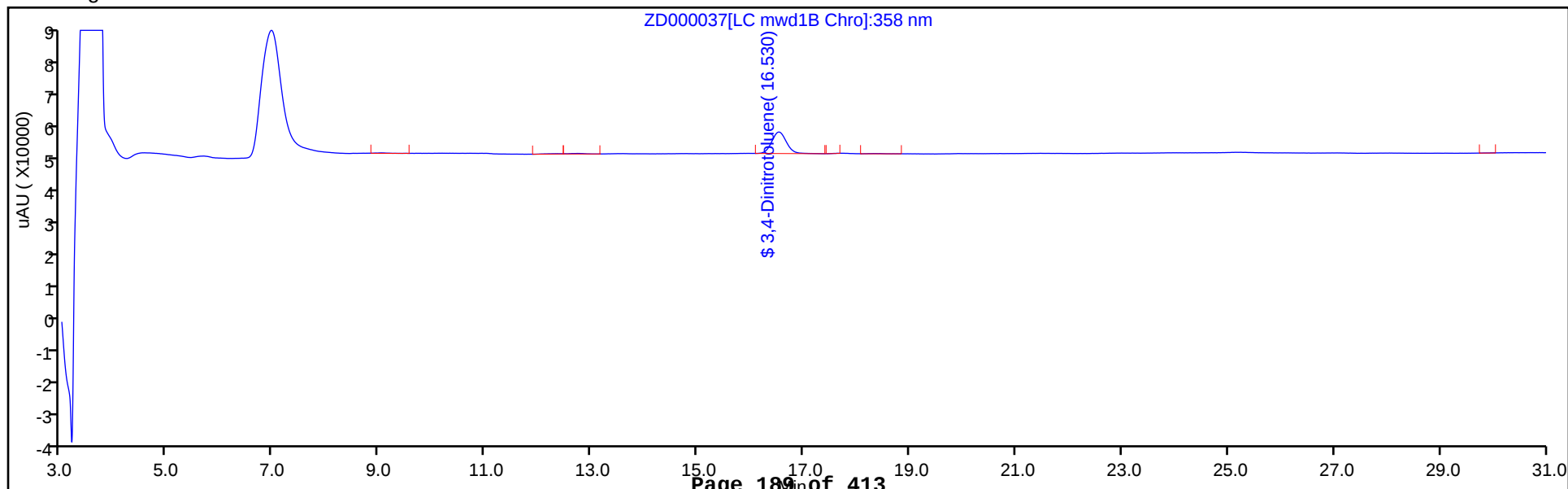
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0026M-0001-SO Lab Sample ID: 240-22559-24
Matrix: Solid Lab File ID: ZD000038.D
Analysis Method: 8330B Date Collected: 03/26/2013 12:38
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.01(g) Date Analyzed: 05/31/2013 13:00
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000038.D
Lims ID: 240-22559-F-24-D Client ID: 078SB-0026M-0001-SO
Inject. Date: 31-May-2013 13:00:35 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-031
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 38
Lims Batch ID: 17382 Lims Sample ID: 31
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 14:40:34 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 14:23:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2 14.682 14.548 0.134 206 2.93

\$ 30 3,4-Dinitrotoluene

1 16.412 16.468 -0.056 3307 57.8

2 16.412 16.471 -0.059 6401 59.7

Report Date: 31-May-2013 14:23:56

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000038.D

Injection Date: 31-May-2013 13:00:35 Limit Group: LC 8330B ICAL

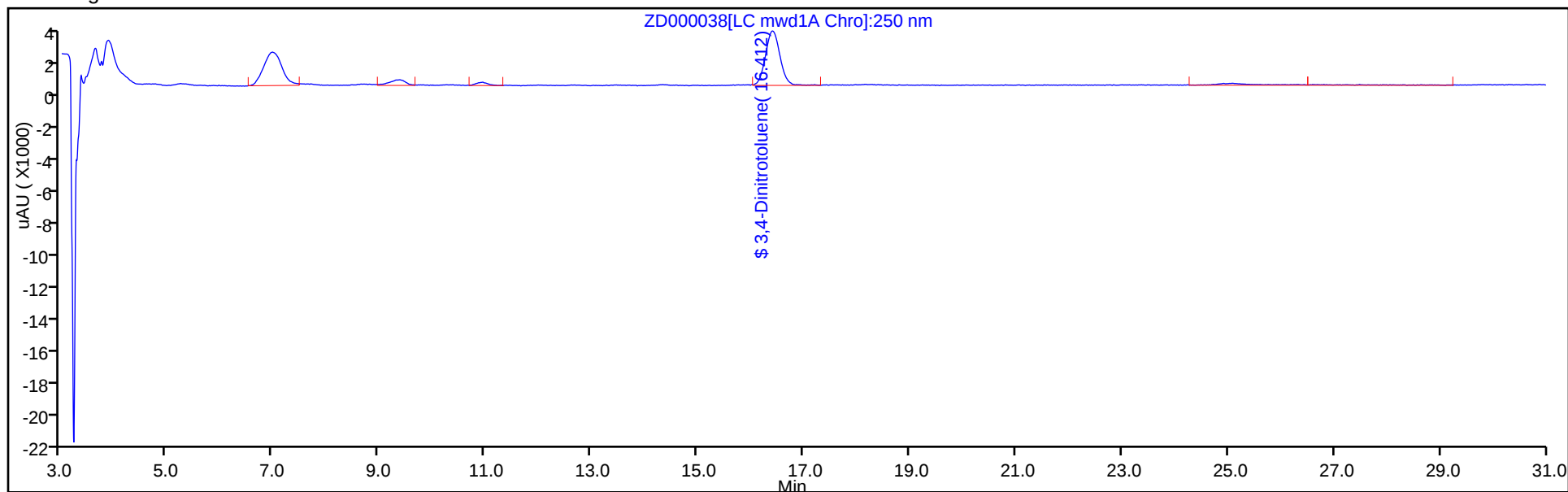
Client ID: 078SB-0026M-0001-SO Instrument ID: LC10

Lims Batch ID: 17382 Lims Sample ID: 31

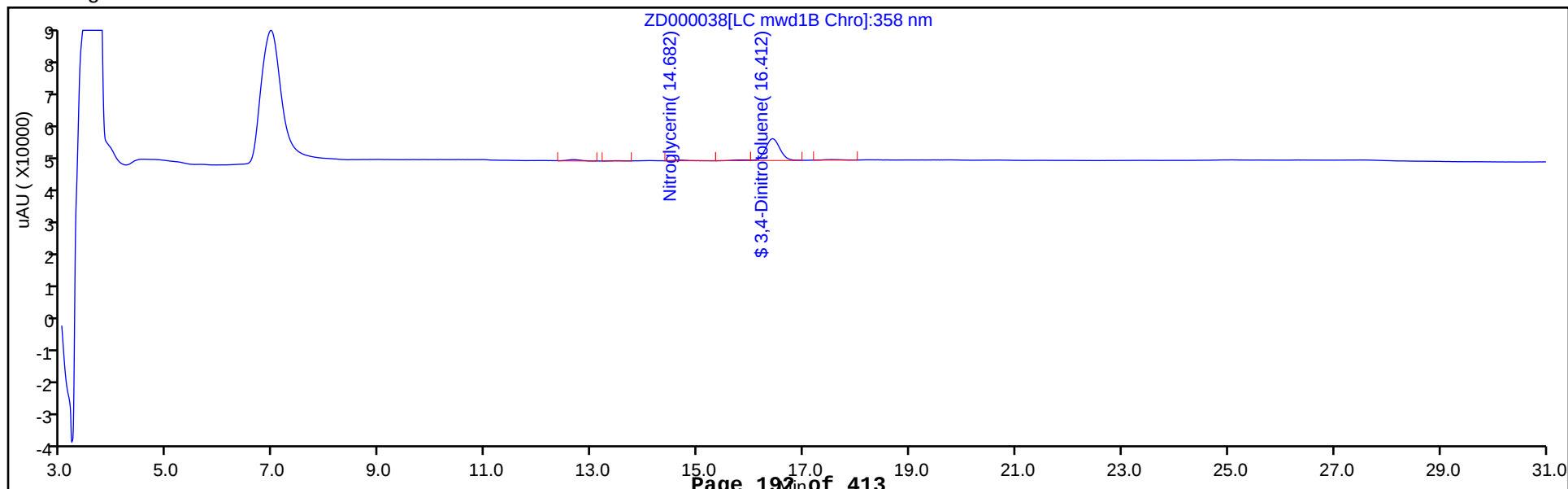
Operator ID: RN Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0026M-0001-SO Lab Sample ID: 240-22559-24
Matrix: Solid Lab File ID: ZE000021.D
Analysis Method: 8330B Date Collected: 03/26/2013 12:38
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.01(g) Date Analyzed: 06/01/2013 08:26
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Zorbax CN ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000021.D
Lims ID: 240-22559-F-24-D Client ID: 078SB-0026M-0001-SO
Inject. Date: 01-Jun-2013 08:26:49 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004817-040
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 18
Lims Batch ID: 17433 Lims Sample ID: 40
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 09:49:08 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK014

First Level Reviewer: noonanr

Date: 04-Jun-2013 11:21:33

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1 38.578 38.684 -0.106 3244 60.7

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000021.D

Injection Date: 01-Jun-2013 08:26:49

Limit Group: LC 8330B ICAL

Client ID: 078SB-0026M-0001-SO

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 40

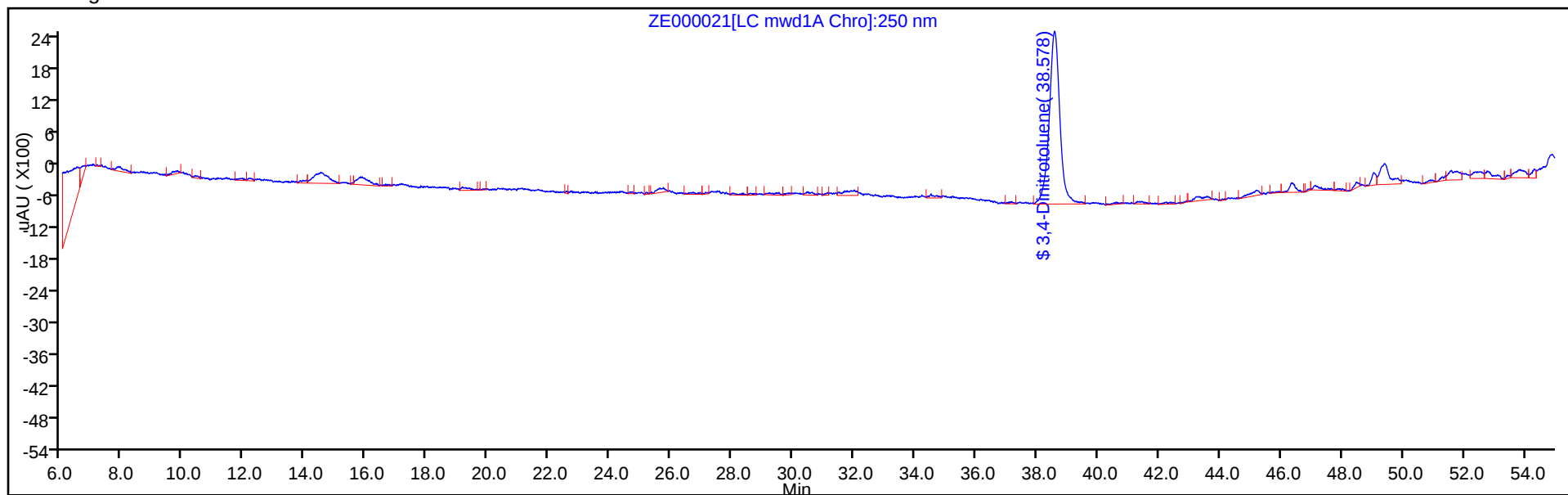
Operator ID: RN

Injection Vol: 500.0 ul

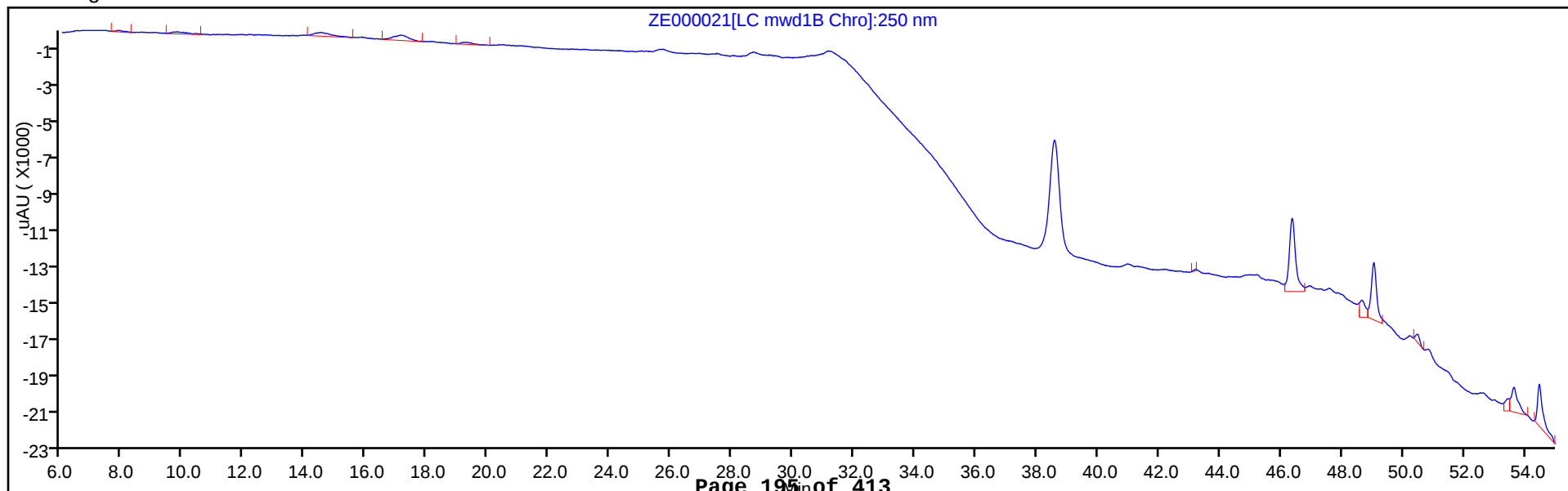
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Client Sample ID: 078SB-0033-0001-SO Lab Sample ID: 240-22559-25
 Matrix: Solid Lab File ID: ZD000039.D
 Analysis Method: 8330B Date Collected: 03/26/2013 12:42
 Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
 Sample wt/vol: 10.08(g) Date Analyzed: 05/31/2013 13:44
 Con. Extract Vol.: 80 (mL) Dilution Factor: 1
 Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000039.D
Lims ID: 240-22559-F-25-D Client ID: 078SB-0033-0001-SO
Inject. Date: 31-May-2013 13:44:20 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-032
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 39
Lims Batch ID: 17382 Lims Sample ID: 32
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 15:25:31 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 14:54:36

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.418	16.468	-0.050	3284	57.4	
2	16.421	16.471	-0.050	6328	59.1	

Report Date: 31-May-2013 14:54:36

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000039.D

Injection Date: 31-May-2013 13:44:20

Limit Group: LC 8330B ICAL

Client ID: 078SB-0033-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 32

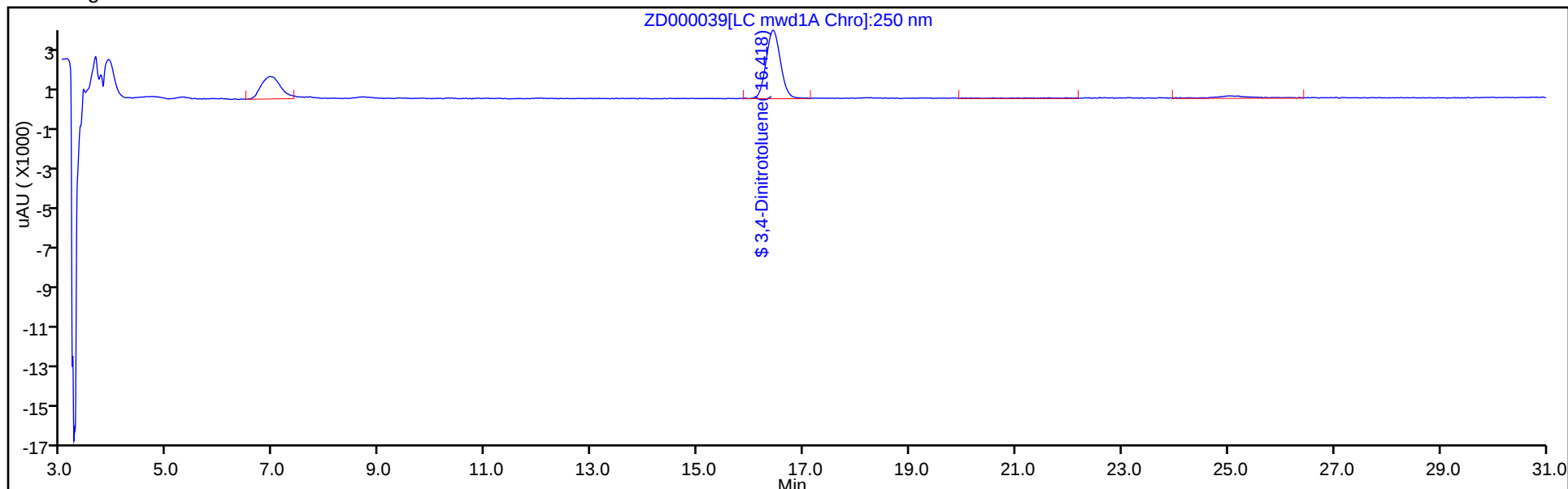
Operator ID: RN

Injection Vol: 500.0 ul

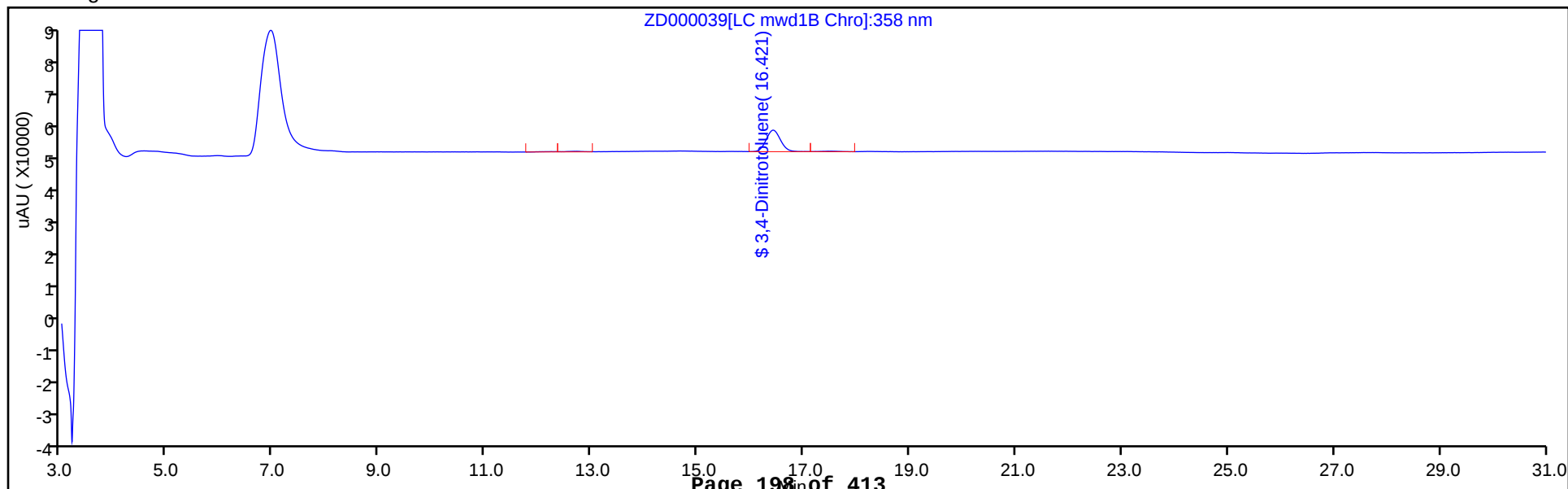
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0030M-0001-SO Lab Sample ID: 240-22559-27
Matrix: Solid Lab File ID: ZD000040.D
Analysis Method: 8330B Date Collected: 03/26/2013 14:40
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 9.99(g) Date Analyzed: 05/31/2013 14:28
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000040.D
Lims ID: 240-22559-F-27-D Client ID: 078SB-0030M-0001-SO
Inject. Date: 31-May-2013 14:28:04 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-033
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 40
Lims Batch ID: 17382 Lims Sample ID: 33
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 02-Jun-2013 14:03:29 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:10:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2 14.684 14.548 0.136 172 2.45

\$ 30 3,4-Dinitrotoluene

1 16.414 16.468 -0.054 3283 57.4

2 16.414 16.471 -0.057 6342 59.2

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000040.D

Injection Date: 31-May-2013 14:28:04

Limit Group: LC 8330B ICAL

Client ID: 078SB-0030M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 33

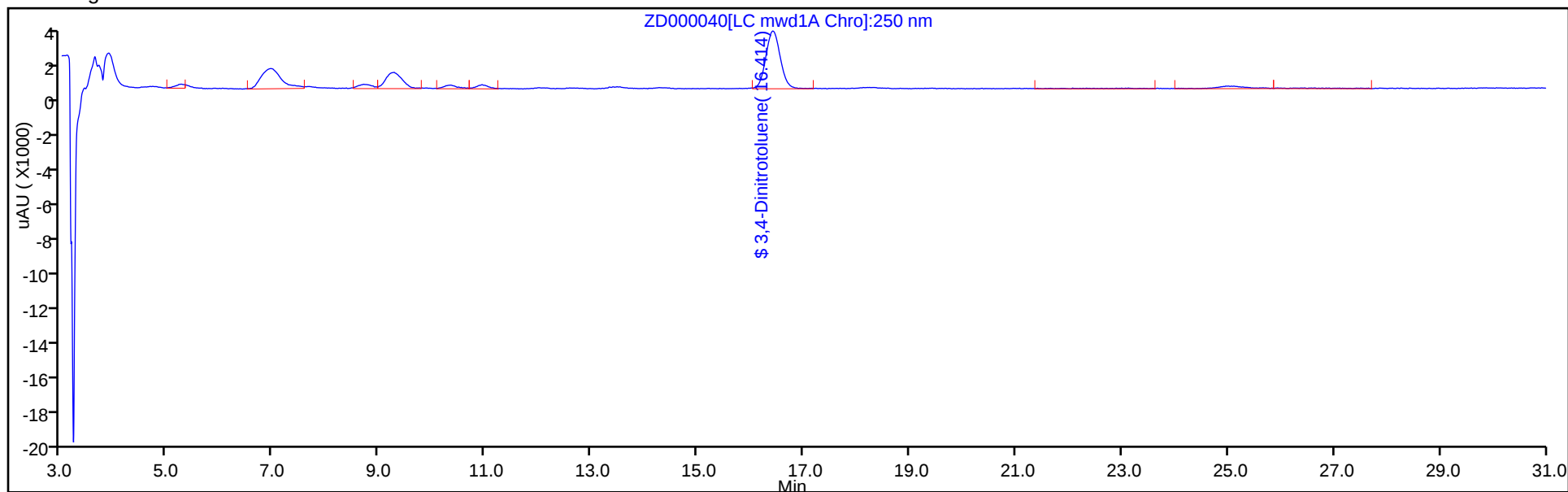
Operator ID: RN

Injection Vol: 500.0 ul

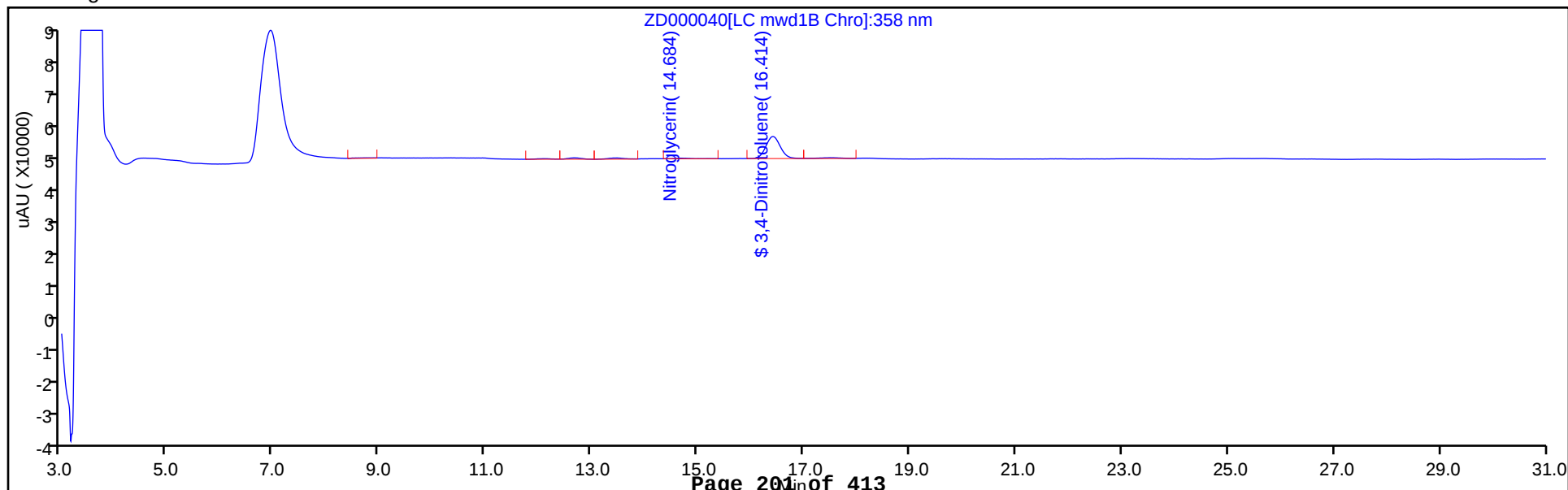
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0030M-0001-SO Lab Sample ID: 240-22559-27
Matrix: Solid Lab File ID: ZE000024.D
Analysis Method: 8330B Date Collected: 03/26/2013 14:40
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 9.99(g) Date Analyzed: 06/01/2013 11:46
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Zorbax CN ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	98		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000024.D
Lims ID: 240-22559-F-27-D Client ID: 078SB-0030M-0001-SO
Inject. Date: 01-Jun-2013 11:46:02 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004817-041
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 20
Lims Batch ID: 17433 Lims Sample ID: 41
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 09:49:08 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 12:38:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1 38.663 38.655 0.008 3258 61.0

Report Date: 03-Jun-2013 12:38:31

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000024.D

Injection Date: 01-Jun-2013 11:46:02

Limit Group: LC 8330B ICAL

Client ID: 078SB-0030M-0001-SO

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 41

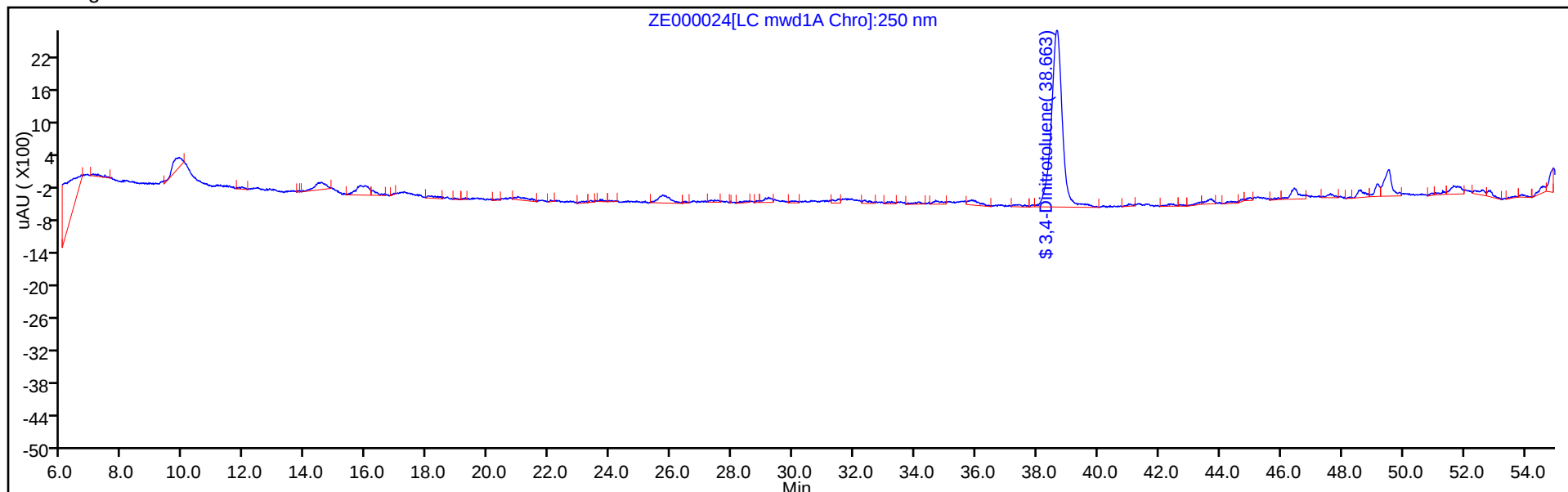
Operator ID: RN

Injection Vol: 500.0 ul

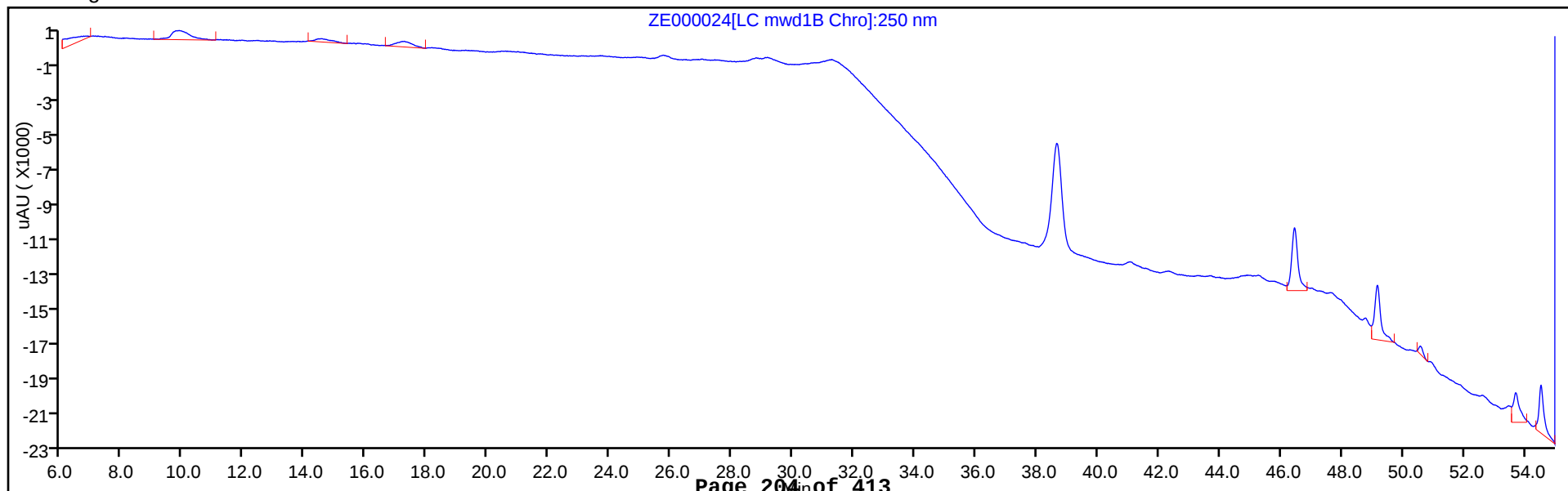
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0031M-0001-SO Lab Sample ID: 240-22559-28
Matrix: Solid Lab File ID: ZD000042.D
Analysis Method: 8330B Date Collected: 03/26/2013 15:05
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.05(g) Date Analyzed: 05/31/2013 15:55
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000042.D
Lims ID: 240-22559-F-28-D Client ID: 078SB-0031M-0001-SO
Inject. Date: 31-May-2013 15:55:24 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-035
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 41
Lims Batch ID: 17382 Lims Sample ID: 35
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 03-Jun-2013 08:10:45 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:12:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.395	16.481	-0.086	3305	57.8
2	16.402	16.485	-0.083	6356	59.3

Report Date: 03-Jun-2013 08:12:01

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000042.D

Injection Date: 31-May-2013 15:55:24

Limit Group: LC 8330B ICAL

Client ID: 078SB-0031M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 35

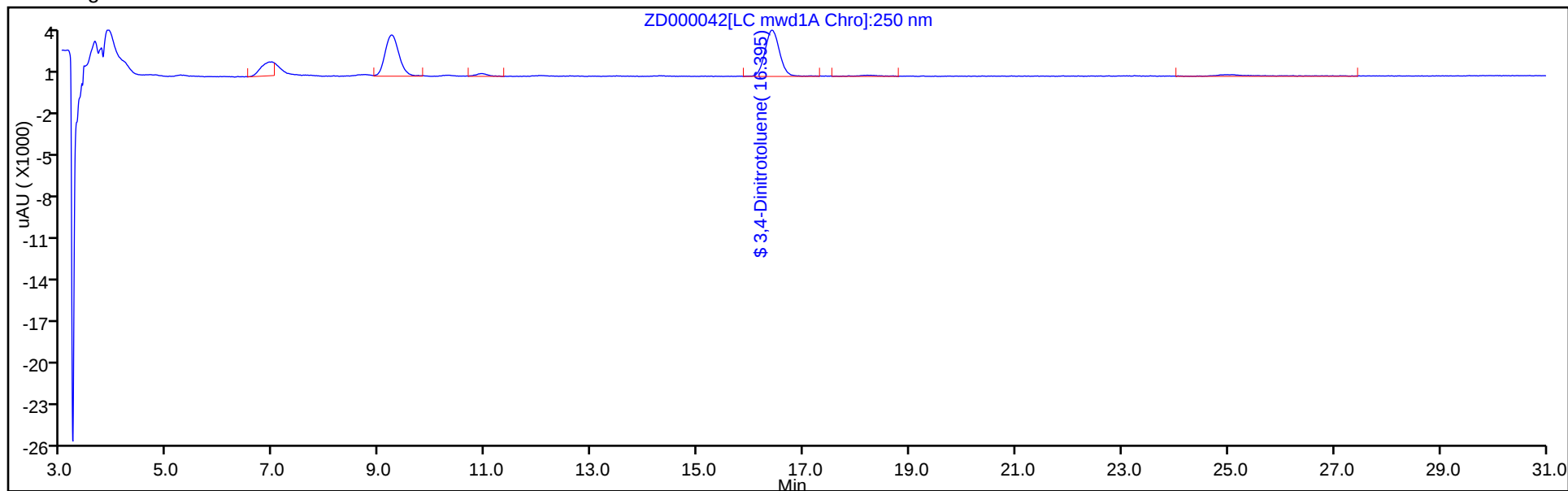
Operator ID: RN

Injection Vol: 500.0 ul

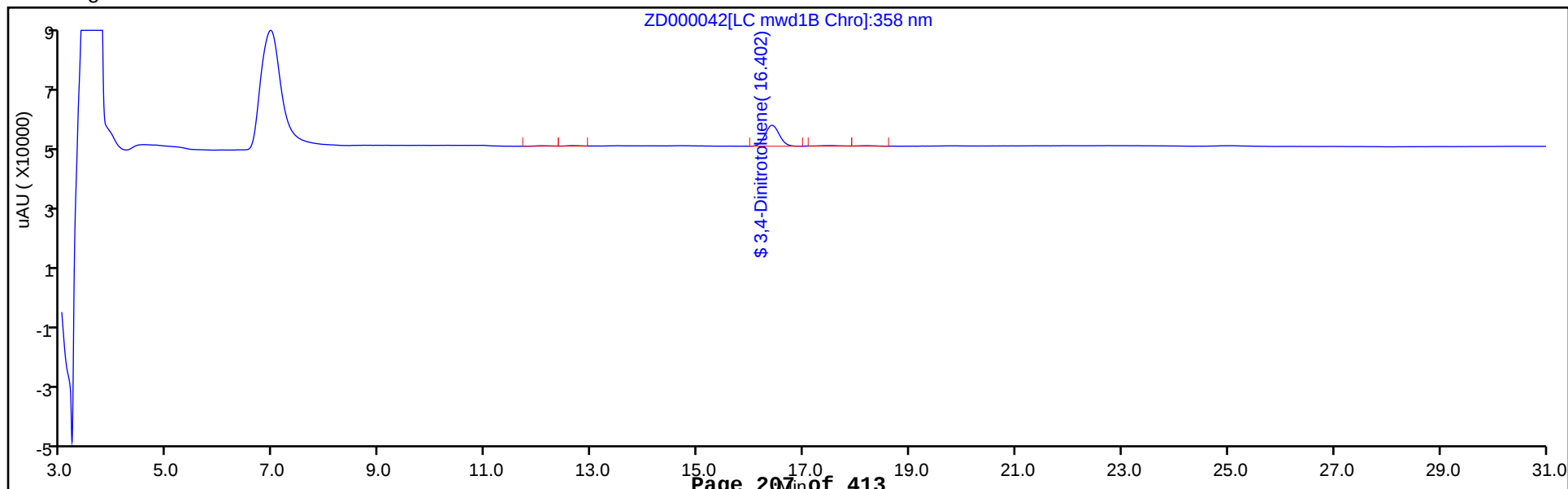
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0032M-0001-SO Lab Sample ID: 240-22559-29
Matrix: Solid Lab File ID: ZD000043.D
Analysis Method: 8330B Date Collected: 03/26/2013 15:38
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.05(g) Date Analyzed: 05/31/2013 16:39
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	91		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000043.D
Lims ID: 240-22559-F-29-D Client ID: 078SB-0032M-0001-SO
Inject. Date: 31-May-2013 16:39:11 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-036
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 42
Lims Batch ID: 17382 Lims Sample ID: 36
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 03-Jun-2013 08:12:23 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:12:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.449	16.481	-0.032	3267	57.1
2	16.445	16.485	-0.040	6288	58.7

Report Date: 03-Jun-2013 08:12:23

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000043.D

Injection Date: 31-May-2013 16:39:11

Limit Group: LC 8330B ICAL

Client ID: 078SB-0032M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 36

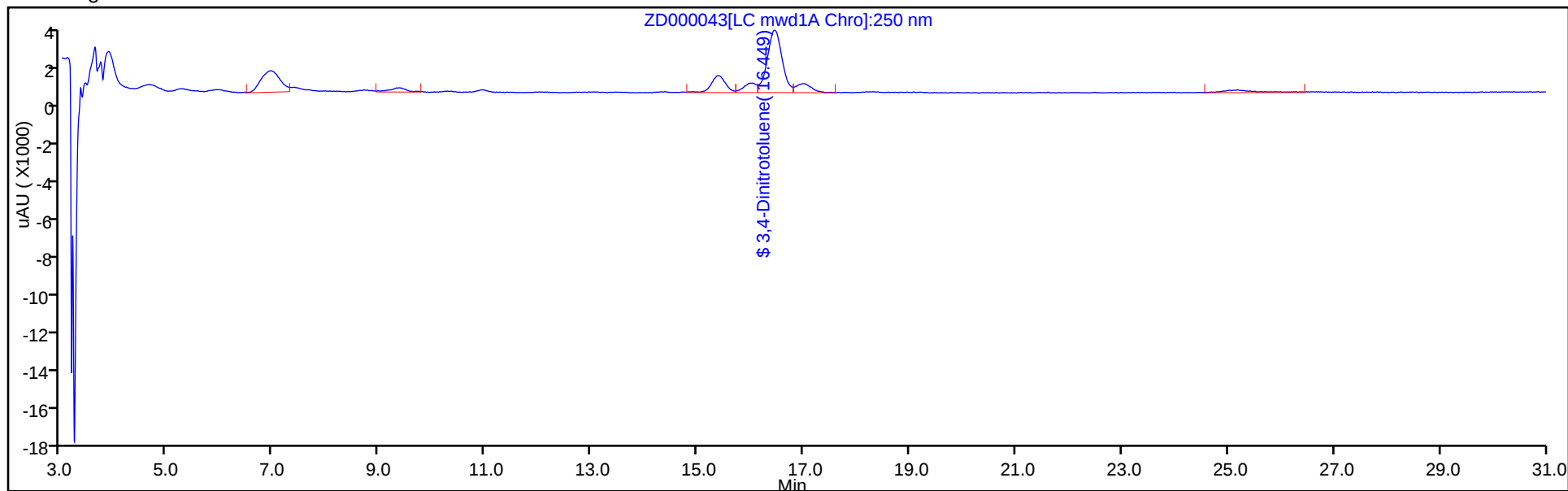
Operator ID: RN

Injection Vol: 500.0 ul

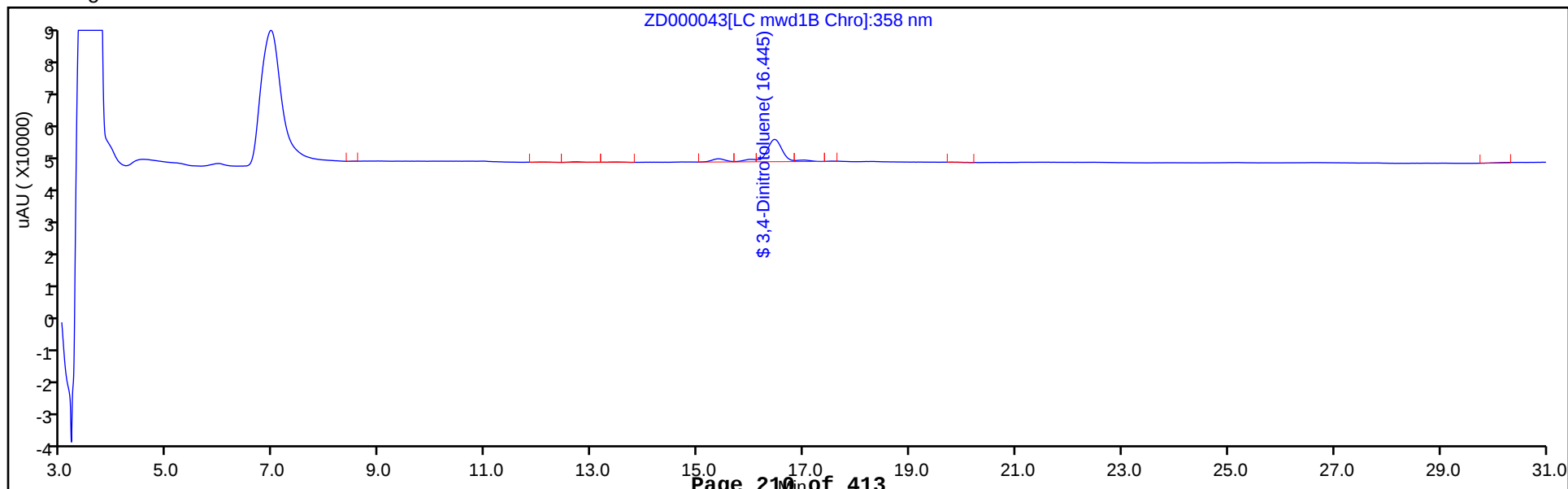
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0024M-0001-SO Lab Sample ID: 240-22559-31
Matrix: Solid Lab File ID: ZD000044.D
Analysis Method: 8330B Date Collected: 03/26/2013 15:35
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.02(g) Date Analyzed: 05/31/2013 17:22
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	90		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000044.D
Lims ID: 240-22559-C-31-D Client ID: 078SB-0024M-0001-SO
Inject. Date: 31-May-2013 17:22:56 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 320-0004797-037
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 43
Lims Batch ID: 17382 Lims Sample ID: 37
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 03-Jun-2013 08:12:23 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:12:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.439	16.481	-0.042	3217	56.2	
2	16.443	16.485	-0.042	6197	57.8	

Report Date: 03-Jun-2013 08:12:37

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000044.D

Injection Date: 31-May-2013 17:22:56

Limit Group: LC 8330B ICAL

Client ID: 078SB-0024M-0001-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 37

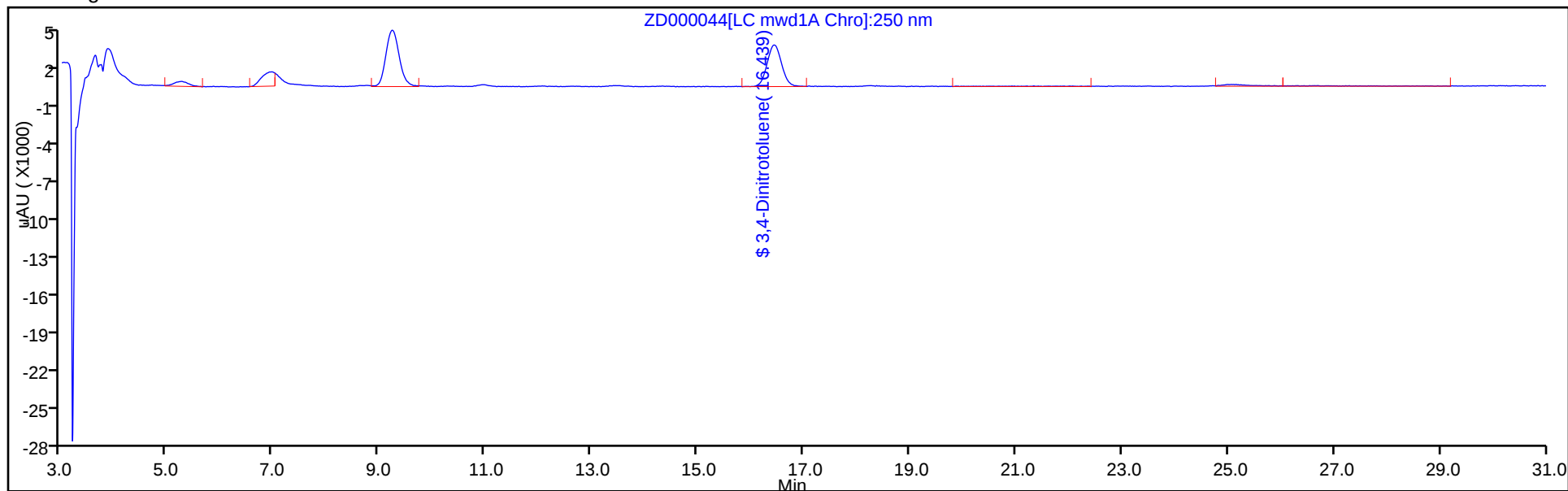
Operator ID: RN

Injection Vol: 500.0 ul

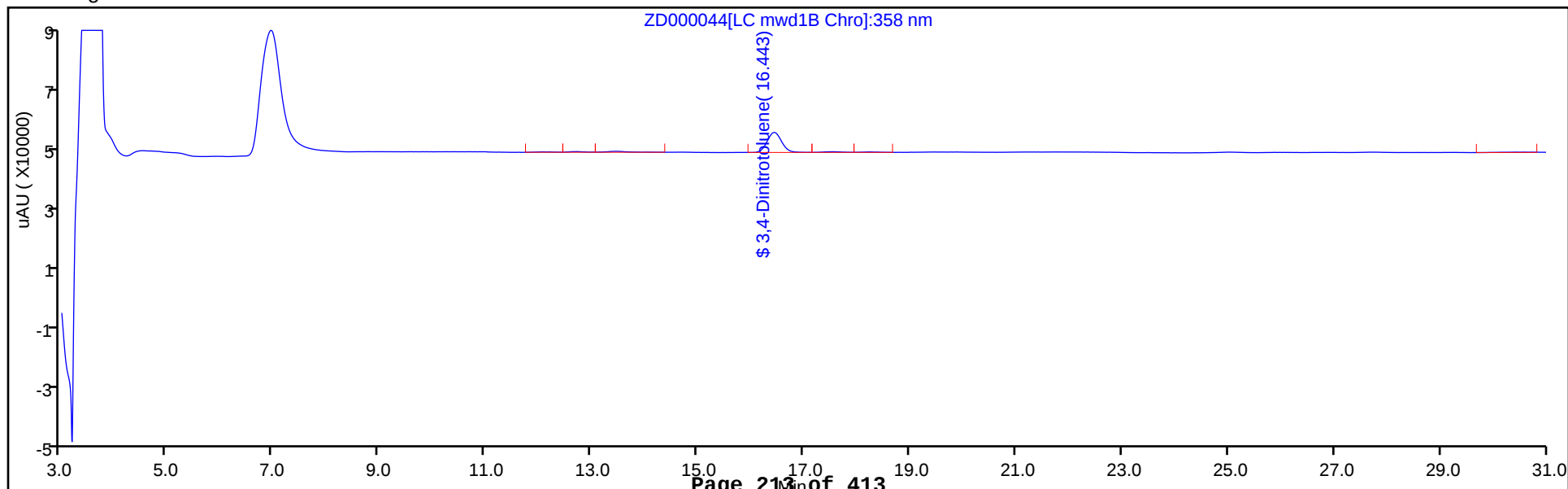
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-14686/2	S000003.D
Level 2	STD02 320-14686/3	S000004.D
Level 3	STD03 320-14686/4	S000005.D
Level 4	STD04 320-14686/5	S000006.D
Level 5	STD05 320-14686/6	S000007.D
Level 6	ICRT 320-14686/7	S000008.D
Level 7	STD07 320-14686/8	S000009.D
Level 8	STD08 320-14686/9	S000010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	5.180	5.177	5.181	5.177	5.177	5.176	5.172	5.157			4.927 - 5.427	5.175
RDX	7.403	7.400	7.395	7.397	7.397	7.393	7.389	7.354			7.147 - 7.647	7.391
Ethylene glycol dinitrate	8.060	8.064	8.055	8.060	8.061	8.059	8.055	8.030			7.811 - 8.311	8.056
Picric acid	++++	8.494	8.481	8.480	8.471	8.433	8.402	8.317			8.221 - 8.721	8.440
1,3,5-Trinitrobenzene	9.646	9.644	9.645	9.640	9.644	9.643	9.642	9.614			9.394 - 9.894	9.640
1,3-Dinitrobenzene	12.223	12.214	12.208	12.207	12.211	12.206	12.209	12.164			11.961 - 12.461	12.205
3,5-Dinitroaniline	12.933	12.950	12.931	12.934	12.941	12.933	12.939	12.887			12.691 - 13.191	12.931
Tetryl	13.233	13.230	13.211	13.217	13.221	13.223	13.229	13.191			12.971 - 13.471	13.219
Nitrobenzene	13.887	13.897	13.871	13.880	13.884	13.886	13.885	13.841			13.634 - 14.134	13.879
Nitroglycerin	14.423	14.430	14.415	14.410	14.418	14.423	14.429	14.394			14.168 - 14.668	14.418
2,4,6-Trinitrotoluene	15.280	15.287	15.291	15.284	15.291	15.293	15.302	15.271			15.041 - 15.541	15.287
4-Amino-2,6-dinitrotoluene	15.850	15.850	15.838	15.834	15.838	15.839	15.852	15.797			15.588 - 16.088	15.837
2-Amino-4,6-dinitrotoluene	16.800	16.817	16.791	16.794	16.801	16.799	16.815	16.761			16.551 - 17.051	16.797
2,6-Dinitrotoluene	18.317	18.304	18.305	18.290	18.308	18.309	18.329	18.281			18.058 - 18.558	18.305
2,4-Dinitrotoluene	18.933	18.947	18.941	18.934	18.948	18.949	18.972	18.921			18.698 - 19.198	18.943
2-Nitrotoluene	22.110	22.157	22.171	22.137	22.151	22.163	22.179	22.141			21.901 - 22.401	22.151
4-Nitrotoluene	23.757	23.737	23.768	23.760	23.768	23.783	23.802	23.771			23.518 - 24.018	23.768
3-Nitrotoluene	25.583	25.587	25.541	25.564	25.564	25.583	25.605	25.581			25.314 - 25.814	25.576
PETN	27.533	27.490	27.475	27.477	27.491	27.509	27.542	27.541			27.241 - 27.741	27.507
3,4-Dinitrotoluene	16.247	16.284	16.275	16.267	16.271	16.279	16.282	16.231			16.021 - 16.521	16.267

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-14686/2	S000003.D
Level 2	STD02 320-14686/3	S000004.D
Level 3	STD03 320-14686/4	S000005.D
Level 4	STD04 320-14686/5	S000006.D
Level 5	STD05 320-14686/6	S000007.D
Level 6	ICRT 320-14686/7	S000008.D
Level 7	STD07 320-14686/8	S000009.D
Level 8	STD08 320-14686/9	S000010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
HMx	126.20 126.94	133.90 126.34	129.40 123.13	127.44 110.29	Ave		125.454750				5.5		20.0			
RDX	114.20 88.680	105.20 86.205	95.900 80.180	91.100 66.491	Ave		90.9945000				16.0		20.0			
Ethylene glycol dinitrate	115.00 111.75	119.90 113.80	112.40 108.37	110.18 92.745	Ave		110.517500				7.2		20.0			
Picric acid	+++++ 107.67	172.80 130.31	145.98 121.10	142.38 105.54	Ave		132.254000				18.0		20.0			
1,3,5-Trinitrobenzene	168.20 165.60	176.00 163.97	169.10 157.89	166.78 140.81	Ave		163.543750				6.4		20.0			
1,3-Dinitrobenzene	167.20 164.82	176.20 162.71	168.65 155.44	166.62 136.28	Ave		162.240750				7.4		20.0			
3,5-Dinitroaniline	107.00 105.01	113.00 103.79	107.65 99.322	106.54 86.750	Ave		103.632750				7.6		20.0			
Tetryl	95.400 93.960	100.70 93.875	95.000 93.632	94.300 90.160	Ave		94.6283750				3.1		20.0			
Nitrobenzene	75.400 72.540	76.400 71.455	73.200 68.382	73.540 60.068	Ave		71.3731250				7.3		20.0			
Nitroglycerin	78.800 67.560	76.800 67.230	78.850 65.164	68.060 60.020	Ave		70.3105000				9.9		20.0			
2,4,6-Trinitrotoluene	97.000 95.170	102.60 95.040	97.000 93.406	95.380 87.568	Ave		95.3955000				4.4		20.0			
4-Amino-2,6-dinitrotoluene	81.800 78.520	84.300 78.110	80.050 76.008	78.900 69.235	Ave		78.3653750				5.7		20.0			
2-Amino-4,6-dinitrotoluene	87.400 84.320	90.900 83.815	85.950 81.216	85.080 73.519	Ave		84.0250000				6.1		20.0			
2,6-Dinitrotoluene	61.000 59.670	65.200 59.535	61.350 58.016	60.100 53.808	Ave		59.8348750				5.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,4-Dinitrotoluene	100.20 98.960	106.80 98.490	100.85 96.230	99.640 89.180	Ave		98.7937500				5.0		20.0			
2-Nitrotoluene	44.800 42.090	46.600 41.655	42.850 40.988	42.560 38.030	Ave		42.4466250				6.0		20.0			
4-Nitrotoluene	55.000 52.890	57.300 52.470	54.000 51.724	52.980 48.433	Ave		53.0996250				4.8		20.0			
3-Nitrotoluene	51.800 52.100	55.700 51.825	53.200 51.110	52.260 48.102	Ave		52.0121250				4.1		20.0			
PETN	50.800 36.890	45.800 36.275	38.600 35.954	34.820 35.657	Ave		39.3495000				15.0		20.0			
3,4-Dinitrotoluene	60.600 55.570	59.100 54.940	56.450 55.837	59.720 55.520	Ave		57.2170833				3.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-14686/2	S000003.D
Level 2	STD02 320-14686/3	S000004.D
Level 3	STD03 320-14686/4	S000005.D
Level 4	STD04 320-14686/5	S000006.D
Level 5	STD05 320-14686/6	S000007.D
Level 6	ICRT 320-14686/7	S000008.D
Level 7	STD07 320-14686/8	S000009.D
Level 8	STD08 320-14686/9	S000010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
HMX	Ave	631 25267	1339 61566	2588 110291	6372	12694	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	571 17241	1052 40090	1918 66491	4555	8868	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	575 22759	1199 54185	2248 92745	5509	11175	5.00 200	10.0 500	20.0 1000	50.0	100
Picric acid	Ave	++++ 65156	3456 121095	7299 211078	14238	26918	++++ 500	20.0 1000	50.0 2000	100	250
1,3,5-Trinitrobenzene	Ave	841 32794	1760 78943	3382 140814	8339	16560	5.00 200	10.0 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	836 32542	1762 77722	3373 136282	8331	16482	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	535 20758	1130 49661	2153 86750	5327	10501	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	477 18775	1007 46816	1900 90160	4715	9396	5.00 200	10.0 500	20.0 1000	50.0	100
Nitrobenzene	Ave	377 14291	764 34191	1464 60068	3677	7254	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	394 13446	768 32582	1577 60020	3403	6756	5.00 200	10.0 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	485 19008	1026 46703	1940 87568	4769	9517	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	409 15622	843 38004	1601 69235	3945	7852	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	437 16763	909 40608	1719 73519	4254	8432	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	305 11907	652 29008	1227 53808	3005	5967	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	501 19698	1068 48115	2017 89180	4982	9896	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 14686

SDG No.: _____

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2013 10:45 Calibration End Date: 04/19/2013 15:51 Calibration ID: 2667

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Nitrotoluene	Ave	224 8331	466 20494	857 38030	2128	4209	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	275 10494	573 25862	1080 48433	2649	5289	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	259 10365	557 25555	1064 48102	2613	5210	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	254 7255	458 17977	772 35657	1741	3689	5.00 200	10.0 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	303 10988	591 16751	1129 27760	2986	5557	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:

Ave = Average by Height

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D
 Lims ID: STD01 Client ID:
 Inject. Date: 19-Apr-2013 10:45:31 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 320-0003998-002
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 11
 Lims Batch ID: 14686 Lims Sample ID: 2
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:24 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 11:37:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.180	5.177	0.003	631	5.03	
19 RDX						
1	7.403	7.397	0.006	571	6.28	
3 Ethylene glycol dinitrate						
2	8.060	8.061	-0.001	575	5.20	
10 2,4,6-Trinitrophenol						
2	8.500	8.471	0.029	2007	15.2	
1	8.506	8.471	0.035	1156	12.5	
27 1,3,5-Trinitrobenzene						
1	9.646	9.644	0.002	841	5.14	
24 1,3-Dinitrobenzene						
1	12.223	12.211	0.012	836	5.15	
9 3,5-Dinitroaniline						
1	12.933	12.941	-0.008	535	5.16	
20 Tetryl						
1	13.233	13.221	0.012	477	5.04	
5 Nitrobenzene						
1	13.887	13.884	0.003	377	5.28	
7 Nitroglycerin						
2	14.423	14.418	0.005	394	5.60	
25 2,4,6-Trinitrotoluene						
1	15.280	15.291	-0.011	485	5.08	
26 4-Amino-2,6-dinitrotoluene						
1	15.850	15.838	0.012	409	5.22	
\$ 30 3,4-Dinitrotoluene						
1	16.247	16.271	-0.024	303	5.30	
2	16.270	16.274	-0.004	555	5.18	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						M
1	16.800	16.801	-0.001	437	5.20	M
12 2,6-Dinitrotoluene						
1	18.317	18.308	0.009	305	5.10	
23 2,4-Dinitrotoluene						
1	18.933	18.948	-0.015	501	5.07	
16 o-Nitrotoluene						M
1	22.110	22.151	-0.041	224	5.28	M
15 p-Nitrotoluene						
1	23.757	23.768	-0.011	275	5.18	
8 m-Nitrotoluene						M
1	25.583	25.564	0.019	259	4.98	M
21 PETN						
2	27.533	27.491	0.042	254	6.45	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:25

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

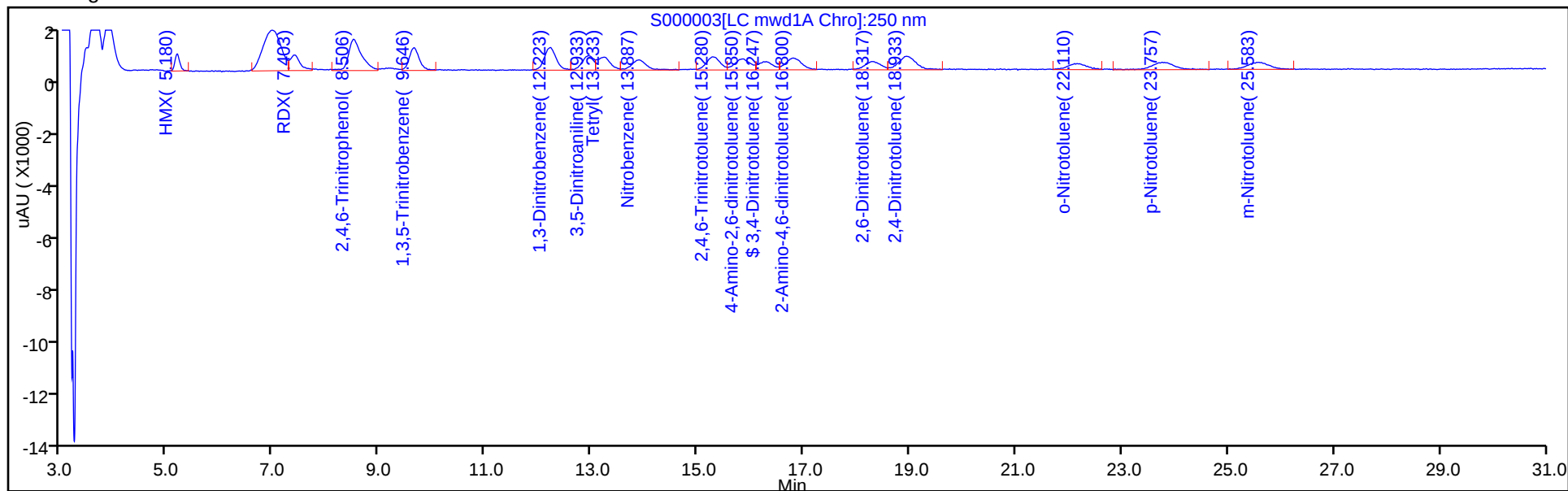
Operator ID: RN

Injection Vol: 500.0 ul

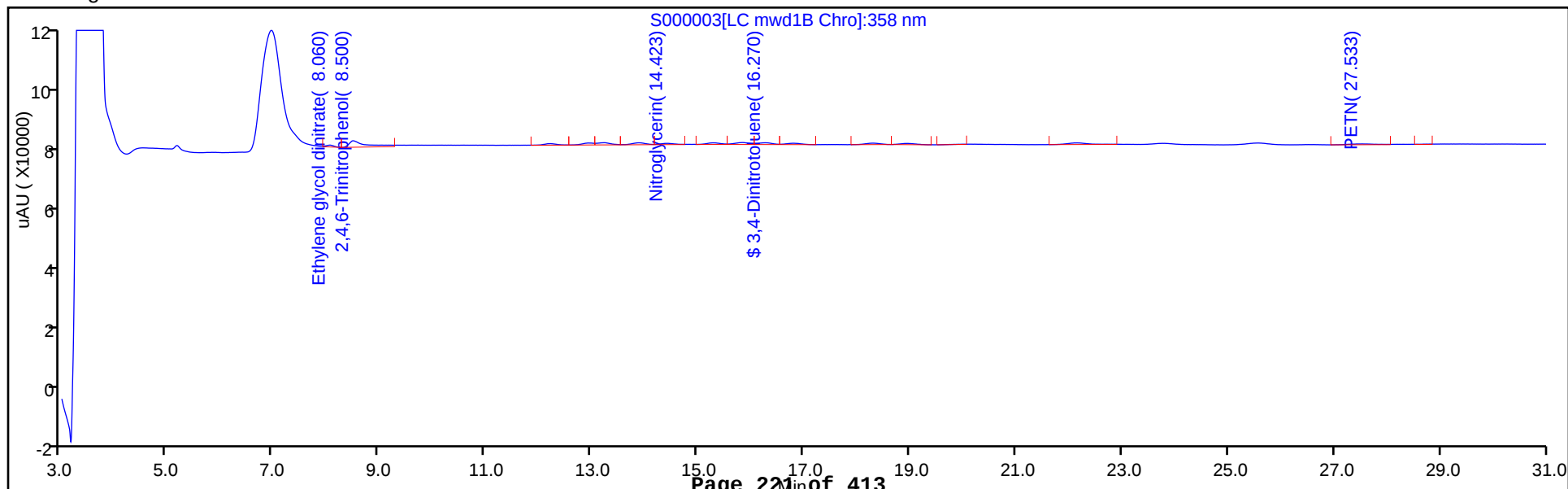
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

Operator ID: RN

Injection Vol: 500.0 ul

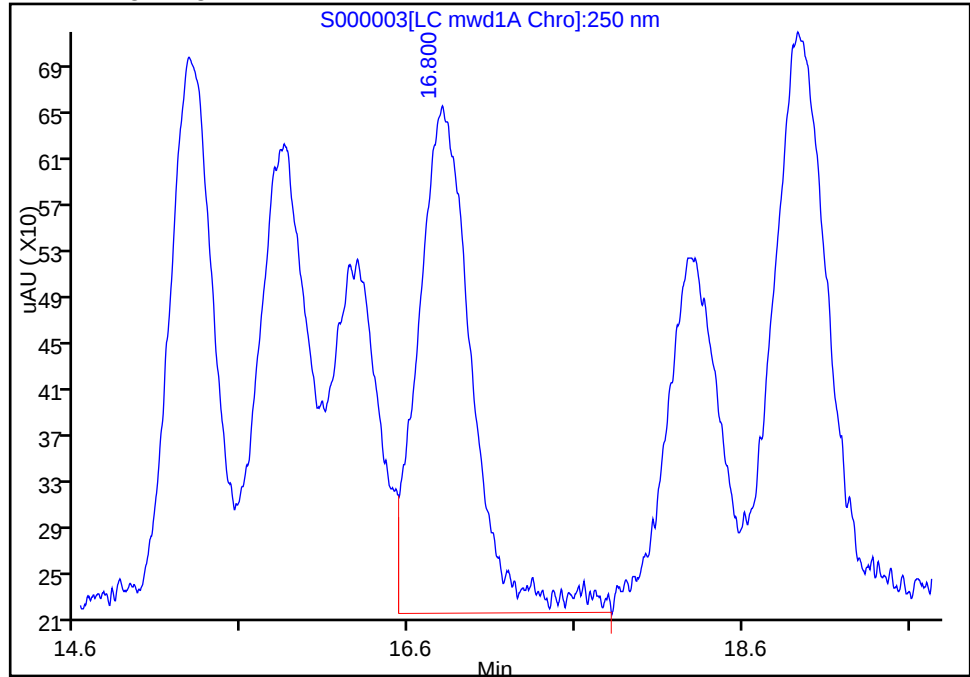
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

6 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 16.80, Det: LC mwd1A

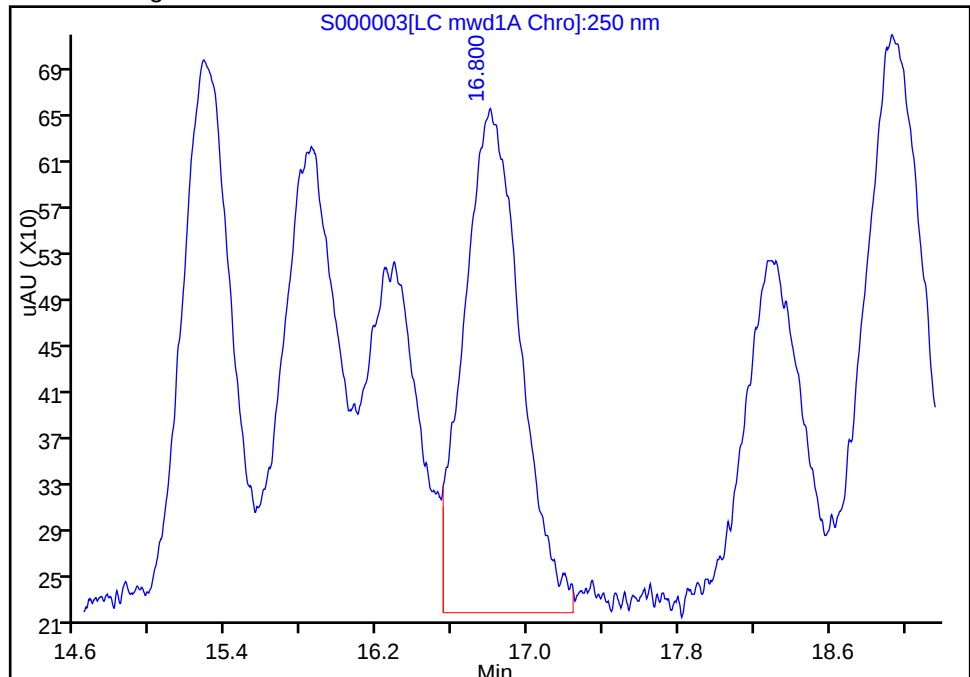
RT: 16.80
Response: 440
Amount: 5.000000

Processing Integration Results



RT: 16.80
Response: 437
Amount: 5.200833

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 11:37:41

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

Operator ID: RN

Injection Vol: 500.0 ul

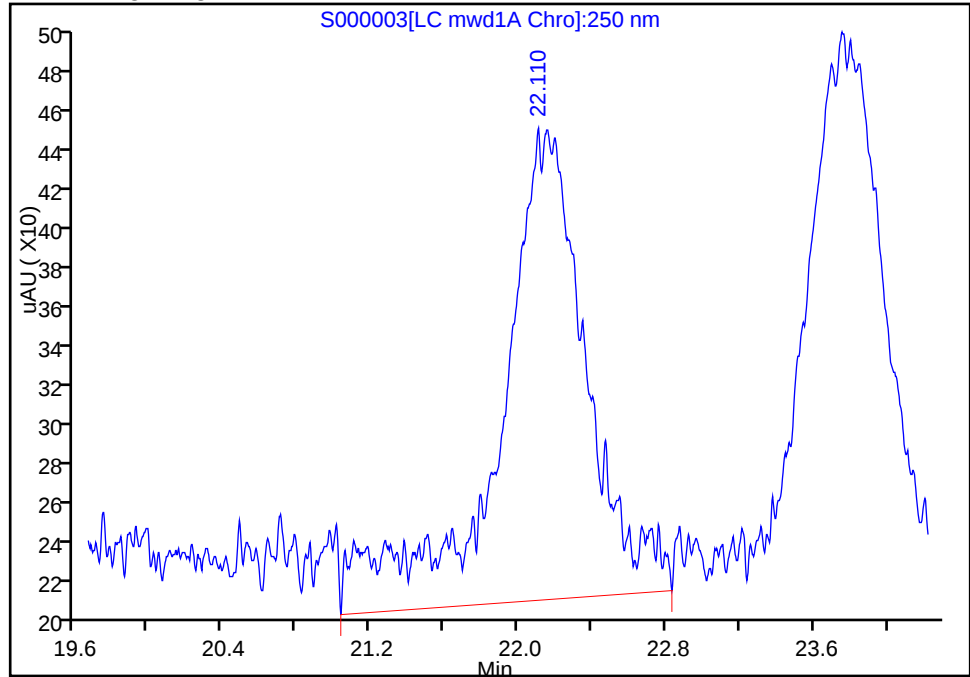
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.15, Det: LC mwd1A

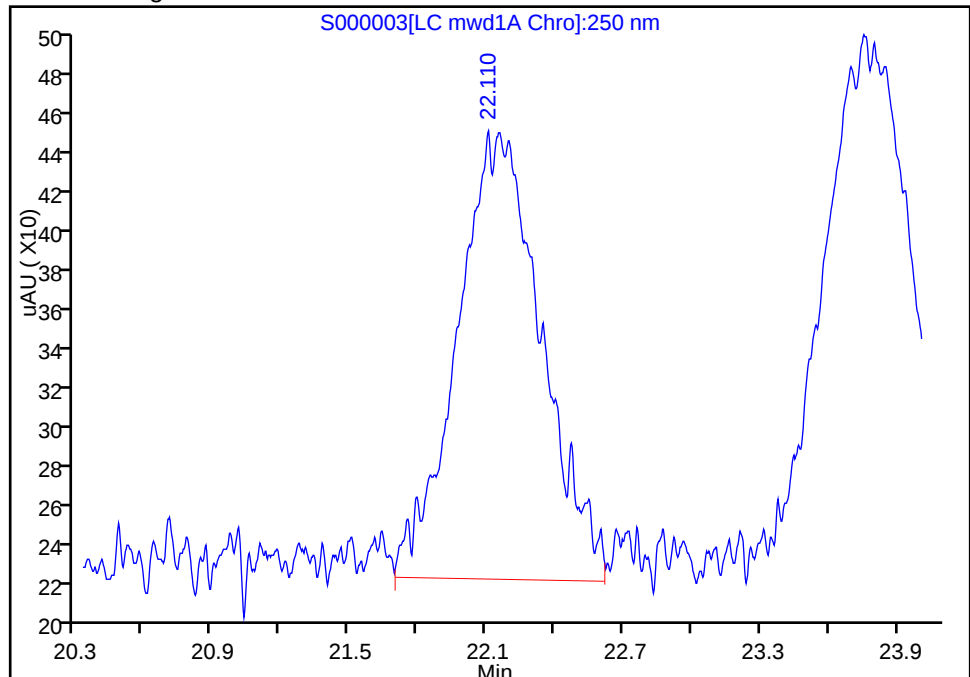
RT: 22.11
Response: 236
Amount: 5.000000

Processing Integration Results



RT: 22.11
Response: 224
Amount: 5.277216

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 11:37:41

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000003.D

Injection Date: 19-Apr-2013 10:45:31

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 2

Operator ID: RN

Injection Vol: 500.0 ul

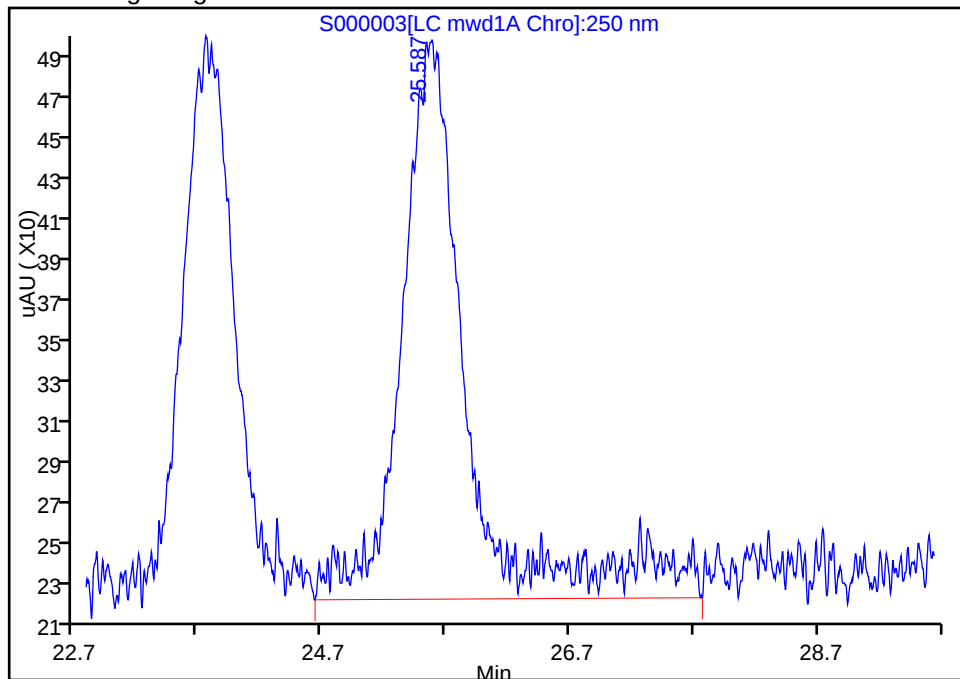
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 25.56, Det: LC mwd1A

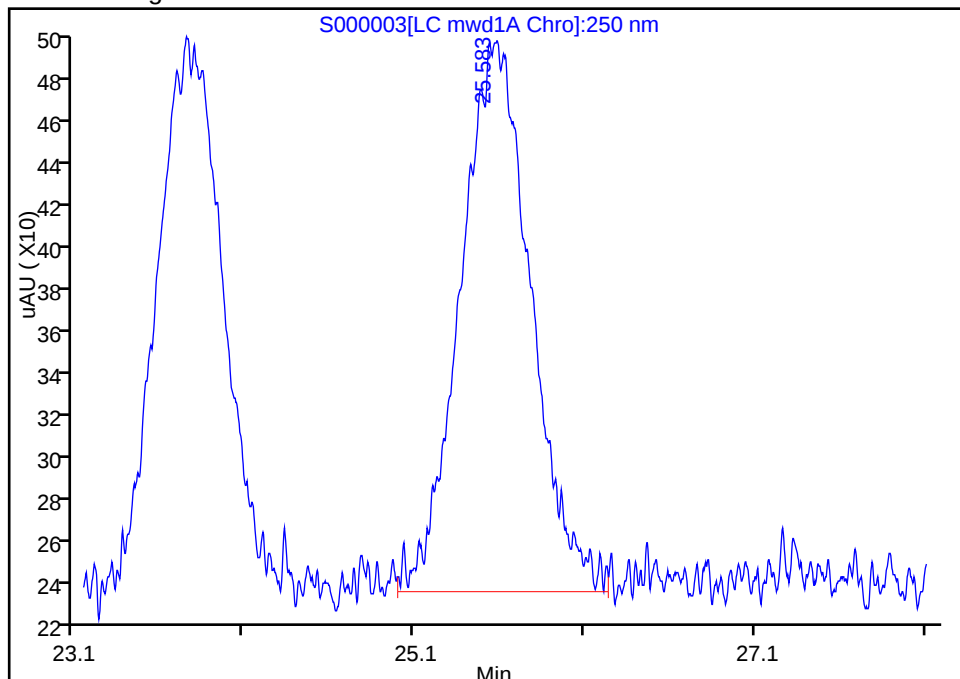
RT: 25.59
Response: 268
Amount: 5.000000

Processing Integration Results



RT: 25.58
Response: 259
Amount: 4.979608

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 11:37:41

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D
 Lims ID: STD02 Client ID:
 Inject. Date: 19-Apr-2013 11:29:07 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 320-0003998-003
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 12
 Lims Batch ID: 14686 Lims Sample ID: 3
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:25 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 13:16:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.177	5.177	0.0	1339	10.7	
19 RDX						
1	7.400	7.397	0.003	1052	11.6	
3 Ethylene glycol dinitrate						
2	8.064	8.061	0.003	1199	10.8	
10 2,4,6-Trinitrophenol						M
2	8.494	8.471	0.023	3456	26.1	M
1	8.504	8.471	0.033	2167	23.5	
27 1,3,5-Trinitrobenzene						
1	9.644	9.644	0.0	1760	10.8	
24 1,3-Dinitrobenzene						
1	12.214	12.211	0.003	1762	10.9	
9 3,5-Dinitroaniline						
1	12.950	12.941	0.009	1130	10.9	
20 Tetryl						
1	13.230	13.221	0.009	1007	10.6	
5 Nitrobenzene						
1	13.897	13.884	0.013	764	10.7	
7 Nitroglycerin						
2	14.430	14.418	0.012	768	10.9	
25 2,4,6-Trinitrotoluene						
1	15.287	15.291	-0.004	1026	10.8	
26 4-Amino-2,6-dinitrotoluene						
1	15.850	15.838	0.012	843	10.8	
\$ 30 3,4-Dinitrotoluene						
1	16.284	16.271	0.013	591	10.3	
2	16.287	16.274	0.013	1055	9.85	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.817	16.801	0.016	909	10.8	
12 2,6-Dinitrotoluene						
1	18.304	18.308	-0.004	652	10.9	
23 2,4-Dinitrotoluene						
1	18.947	18.948	-0.001	1068	10.8	
16 o-Nitrotoluene						
1	22.157	22.151	0.006	466	11.0	
15 p-Nitrotoluene						
1	23.737	23.768	-0.031	573	10.8	
8 m-Nitrotoluene						
1	25.587	25.564	0.023	557	10.7	
21 PETN						
2	27.490	27.491	-0.001	458	11.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:26

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D

Injection Date: 19-Apr-2013 11:29:07

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 3

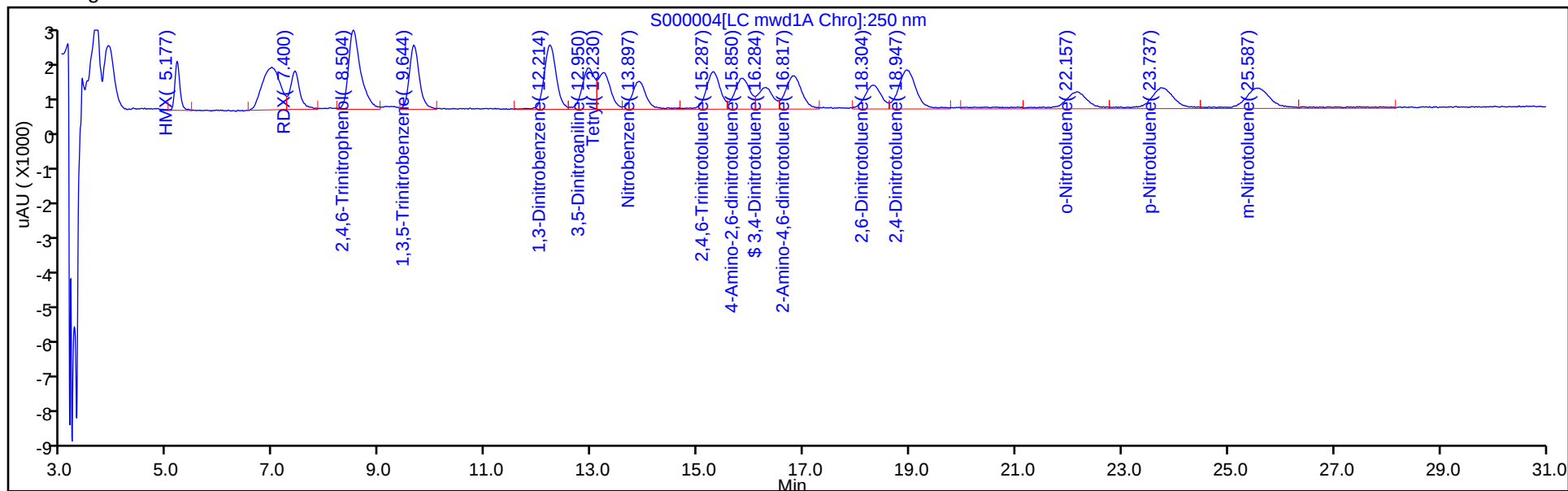
Operator ID: RN

Injection Vol: 500.0 ul

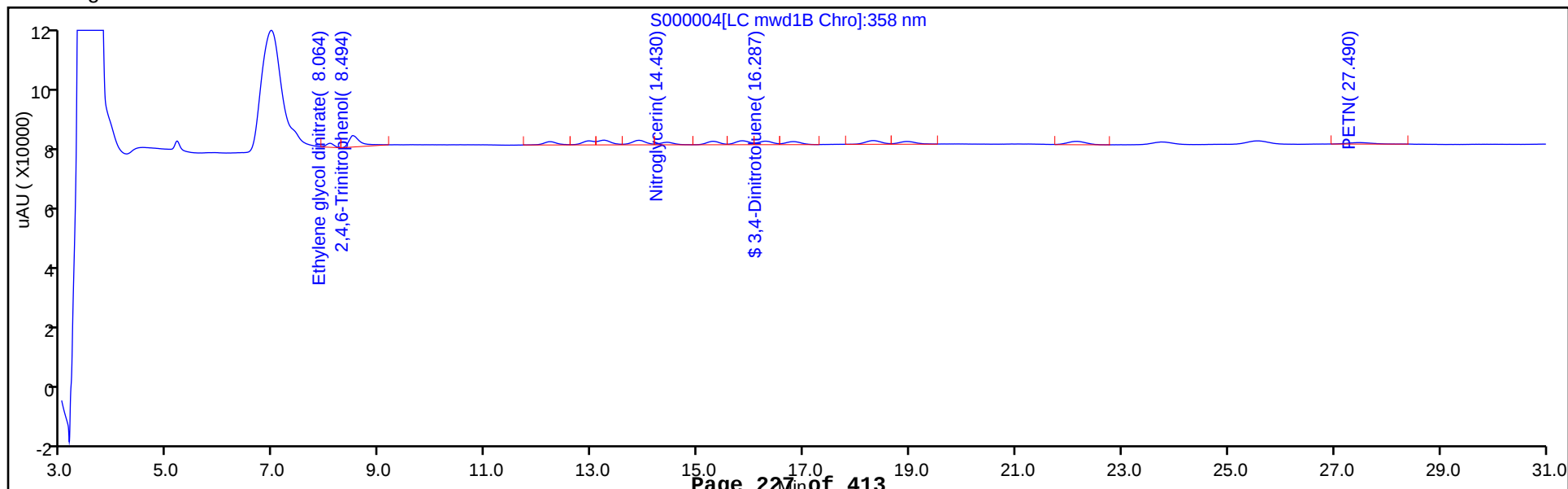
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000004.D

Injection Date: 19-Apr-2013 11:29:07

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 3

Operator ID: RN

Injection Vol: 500.0 ul

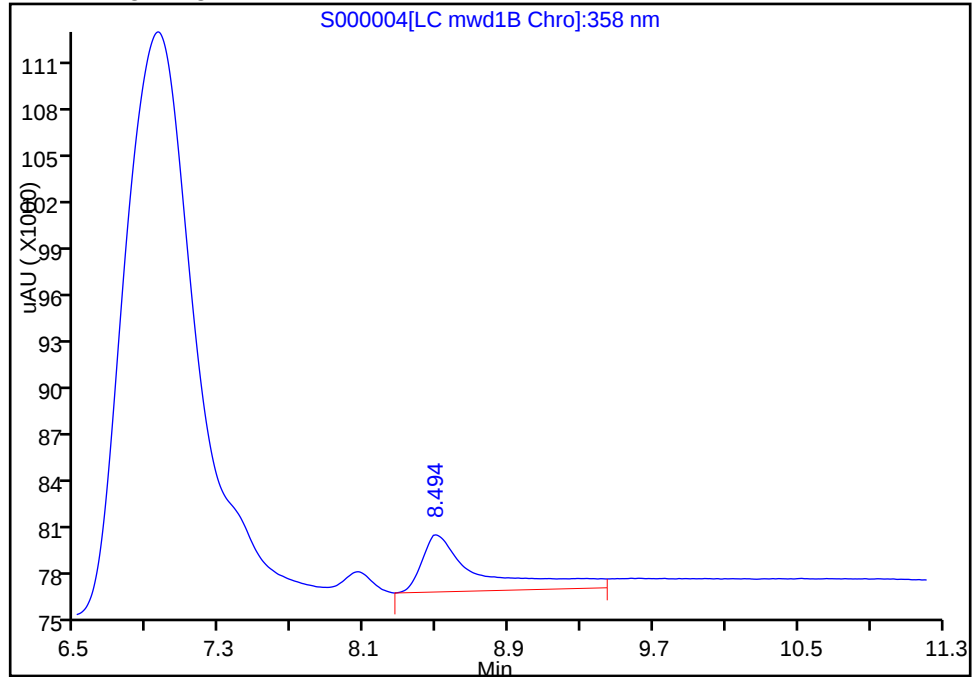
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

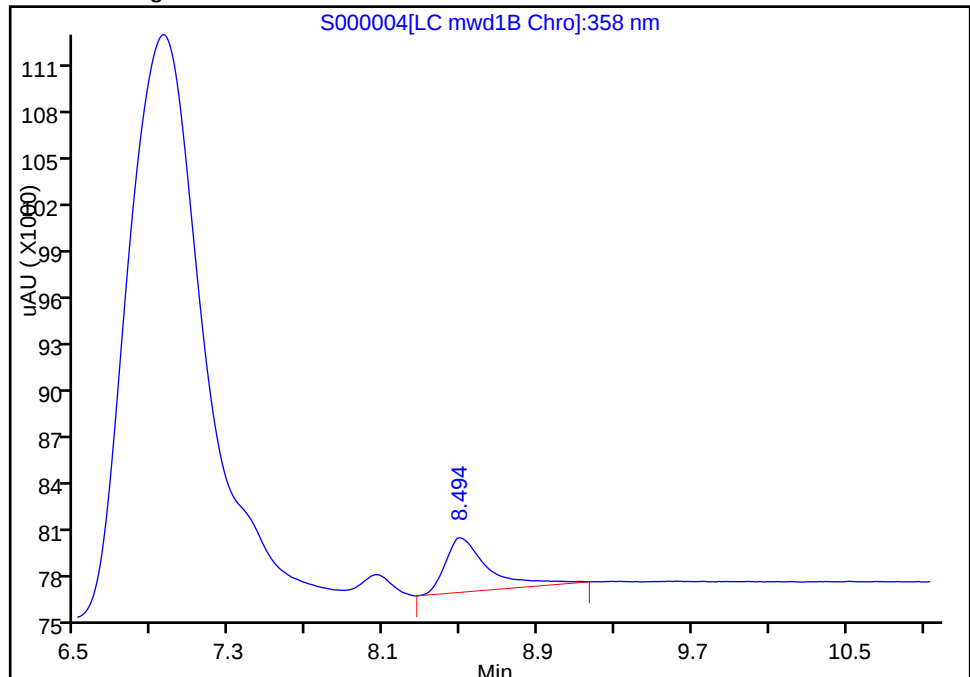
RT: 8.49
Response: 3616
Amount: 18.956750

Processing Integration Results



RT: 8.49
Response: 3456
Amount: 26.131535

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 13:16:16

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000005.D
 Lims ID: STD03 Client ID:
 Inject. Date: 19-Apr-2013 12:12:47 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 320-0003998-004
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 13
 Lims Batch ID: 14686 Lims Sample ID: 4
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:26 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 15:25:33

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.181	5.177	0.004	2588	20.6	
19 RDX						
1	7.395	7.397	-0.002	1918	21.1	
3 Ethylene glycol dinitrate						
2	8.055	8.061	-0.006	2248	20.3	
10 2,4,6-Trinitrophenol						M
2	8.481	8.471	0.010	7299	55.2	M
1	8.485	8.471	0.014	4857	52.7	
27 1,3,5-Trinitrobenzene						
1	9.645	9.644	0.001	3382	20.7	
24 1,3-Dinitrobenzene						
1	12.208	12.211	-0.003	3373	20.8	
9 3,5-Dinitroaniline						
1	12.931	12.941	-0.010	2153	20.8	
20 Tetryl						
1	13.211	13.221	-0.010	1900	20.1	
5 Nitrobenzene						
1	13.871	13.884	-0.013	1464	20.5	
7 Nitroglycerin						
2	14.415	14.418	-0.003	1577	22.4	
25 2,4,6-Trinitrotoluene						
1	15.291	15.291	0.0	1940	20.3	
26 4-Amino-2,6-dinitrotoluene						
1	15.838	15.838	0.0	1601	20.4	
\$ 30 3,4-Dinitrotoluene						
1	16.275	16.271	0.004	1129	19.7	
2	16.275	16.274	0.001	2197	20.5	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000005.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.791	16.801	-0.010	1719	20.5	
12 2,6-Dinitrotoluene						
1	18.305	18.308	-0.003	1227	20.5	
23 2,4-Dinitrotoluene						
1	18.941	18.948	-0.007	2017	20.4	
16 o-Nitrotoluene						
1	22.171	22.151	0.020	857	20.2	
15 p-Nitrotoluene						
1	23.768	23.768	0.0	1080	20.3	
8 m-Nitrotoluene						
1	25.541	25.564	-0.023	1064	20.5	
21 PETN						
2	27.475	27.491	-0.016	772	19.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:27

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000005.D

Injection Date: 19-Apr-2013 12:12:47

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 4

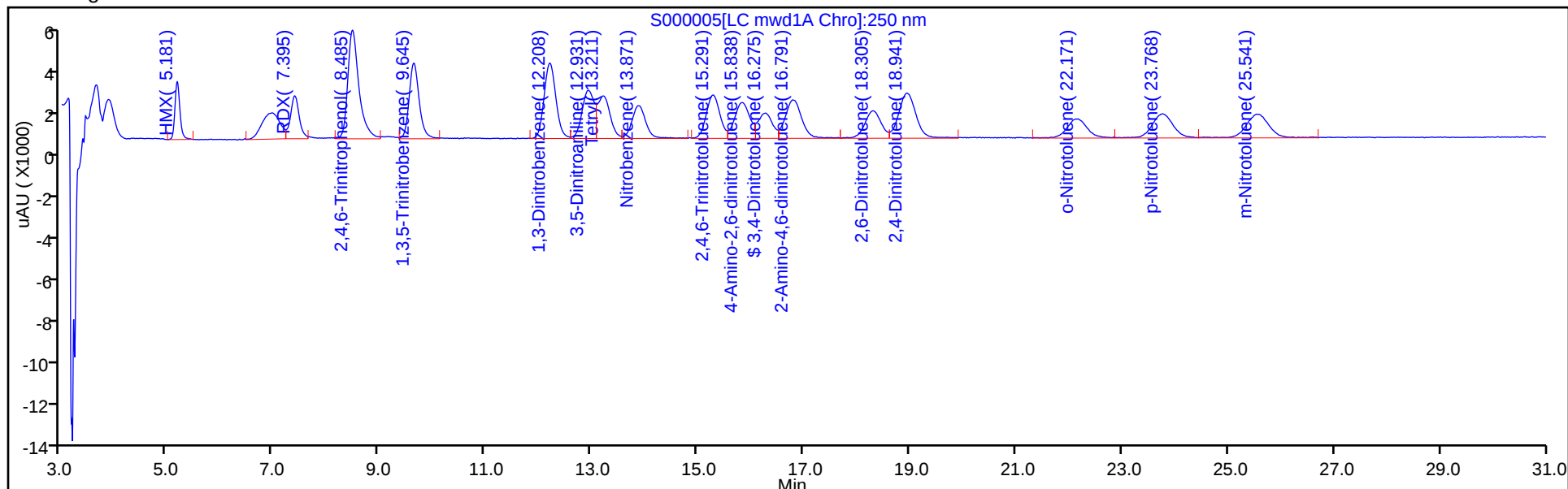
Operator ID: RN

Injection Vol: 500.0 ul

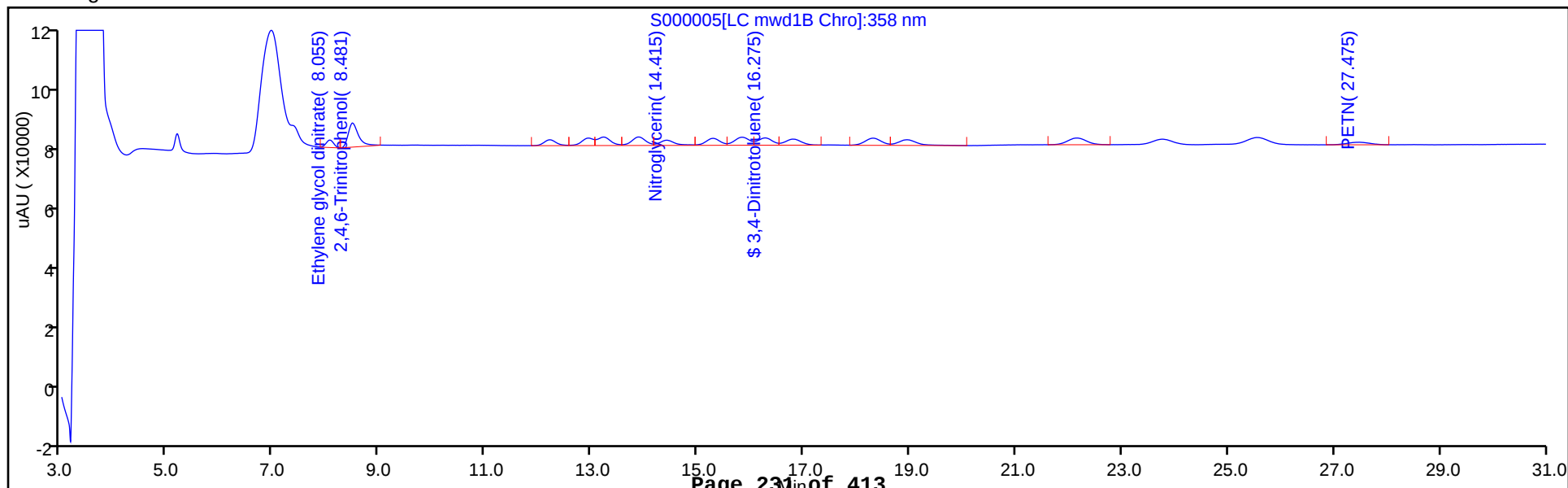
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000005.D

Injection Date: 19-Apr-2013 12:12:47

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 4

Operator ID: RN

Injection Vol: 500.0 ul

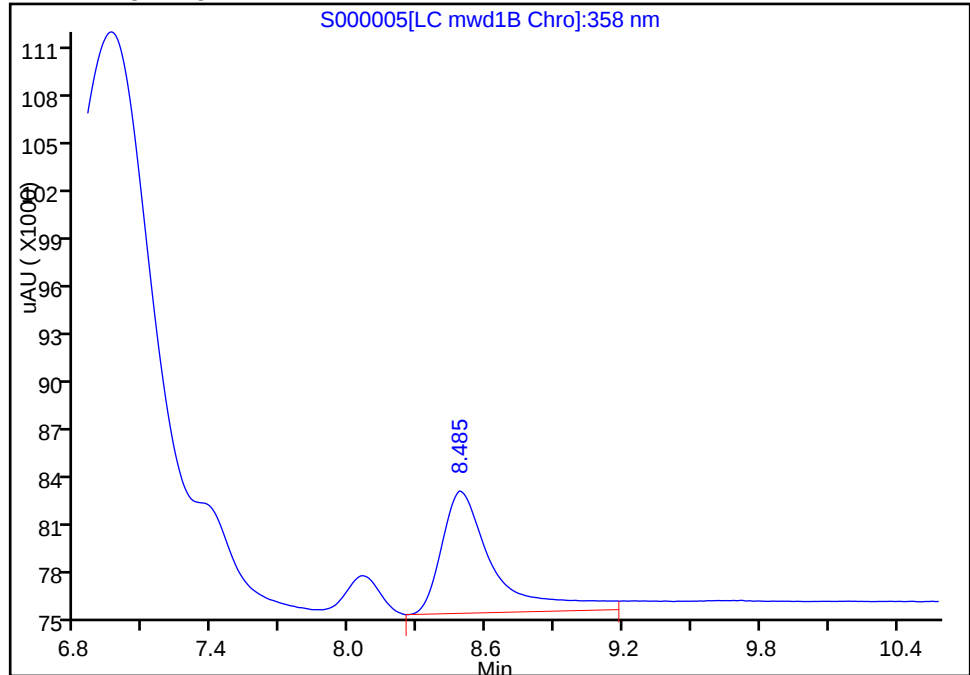
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

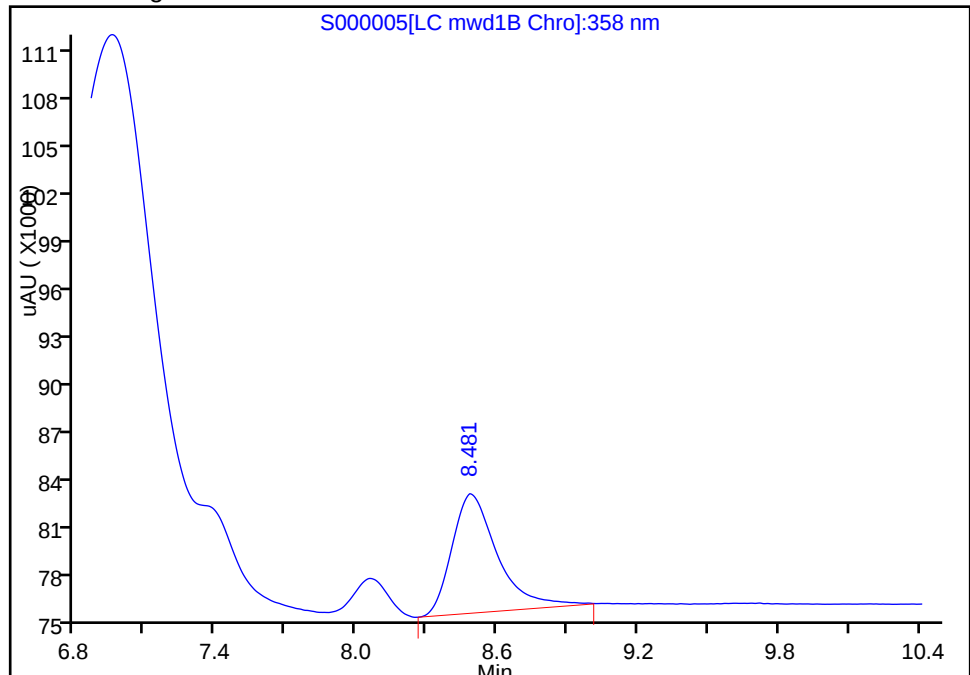
RT: 8.48
Response: 7465
Amount: 42.836649

Processing Integration Results



RT: 8.48
Response: 7299
Amount: 55.189257

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:25:33

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D
 Lims ID: STD04 Client ID:
 Inject. Date: 19-Apr-2013 12:56:26 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 320-0003998-005
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 14
 Lims Batch ID: 14686 Lims Sample ID: 5
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:27 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 15:26:29

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.177	5.177	0.0	6372	50.8	
19 RDX						
1	7.397	7.397	0.0	4555	50.1	
3 Ethylene glycol dinitrate						
2	8.060	8.061	-0.001	5509	49.8	
10 2,4,6-Trinitrophenol						
2	8.480	8.471	0.009	14238	107.7	M
1	8.477	8.471	0.006	9778	106.1	M
27 1,3,5-Trinitrobenzene						
1	9.640	9.644	-0.004	8339	51.0	
24 1,3-Dinitrobenzene						
1	12.207	12.211	-0.004	8331	51.3	
9 3,5-Dinitroaniline						
1	12.934	12.941	-0.007	5327	51.4	
20 Tetryl						
1	13.217	13.221	-0.004	4715	49.8	
5 Nitrobenzene						
1	13.880	13.884	-0.004	3677	51.5	
7 Nitroglycerin						
2	14.410	14.418	-0.008	3403	48.4	
25 2,4,6-Trinitrotoluene						
1	15.284	15.291	-0.007	4769	50.0	
26 4-Amino-2,6-dinitrotoluene						
1	15.834	15.838	-0.004	3945	50.3	
\$ 30 3,4-Dinitrotoluene						
1	16.267	16.271	-0.004	2986	52.2	
2	16.267	16.274	-0.007	5656	52.8	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.794	16.801	-0.007	4254	50.6	
12 2,6-Dinitrotoluene						
1	18.290	18.308	-0.018	3005	50.2	
23 2,4-Dinitrotoluene						
1	18.934	18.948	-0.014	4982	50.4	
16 o-Nitrotoluene						
1	22.137	22.151	-0.014	2128	50.1	
15 p-Nitrotoluene						
1	23.760	23.768	-0.008	2649	49.9	
8 m-Nitrotoluene						
1	25.564	25.564	0.0	2613	50.2	M
21 PETN						
2	27.477	27.491	-0.014	1741	44.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:28

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D

Injection Date: 19-Apr-2013 12:56:26

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 5

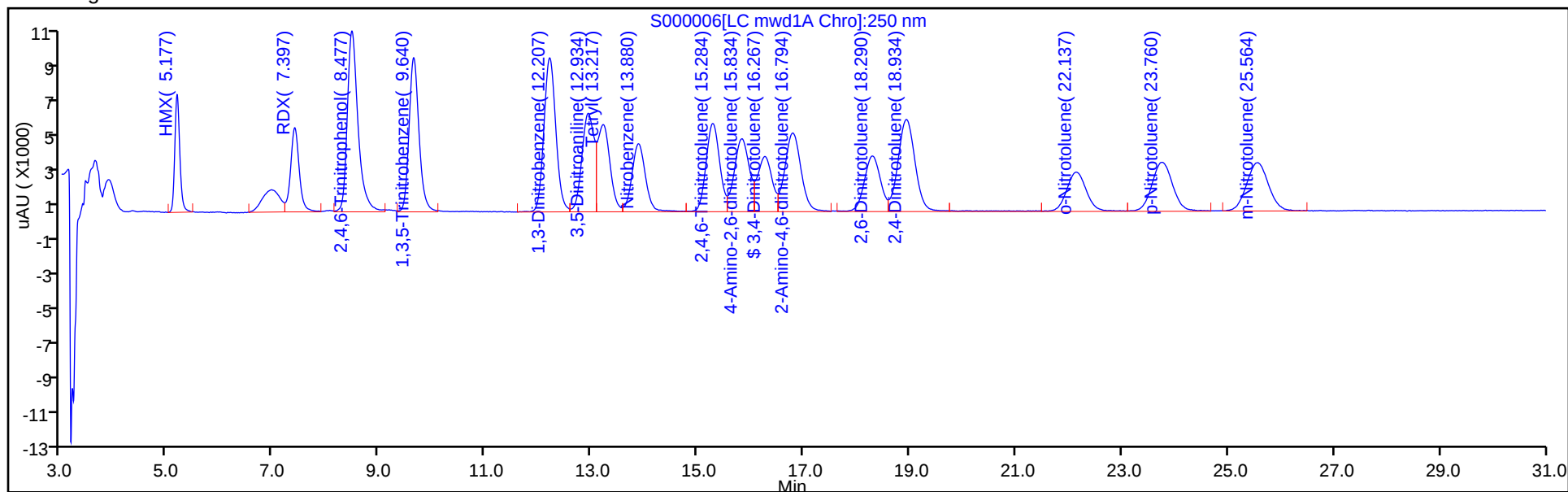
Operator ID: RN

Injection Vol: 500.0 ul

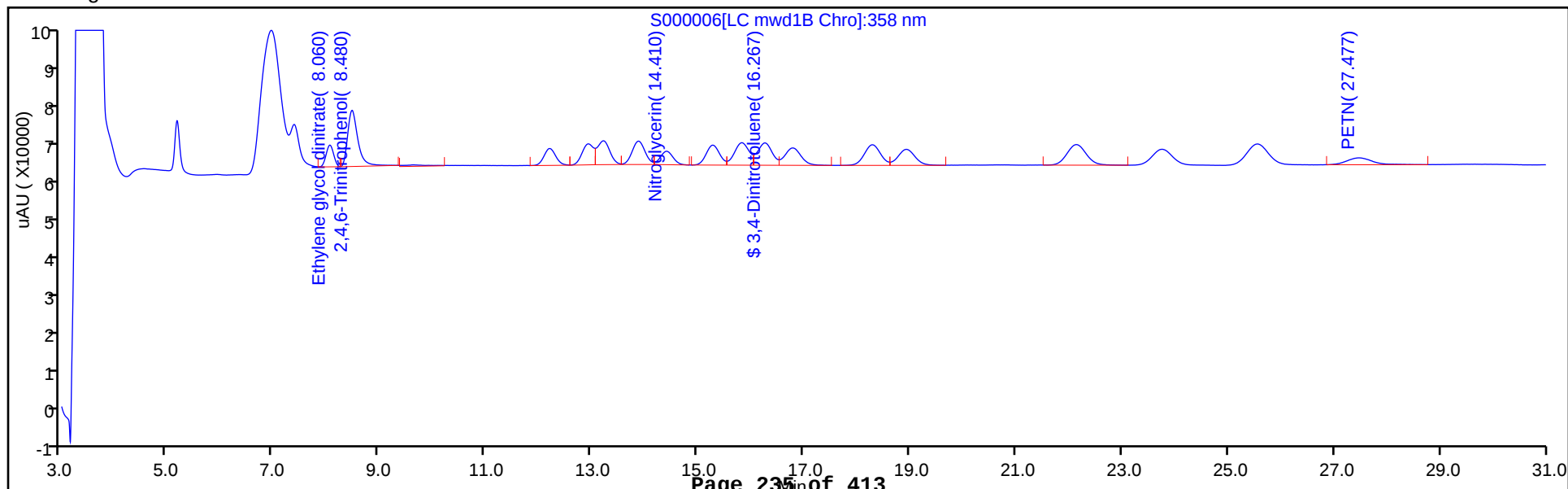
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D

Injection Date: 19-Apr-2013 12:56:26

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 5

Operator ID: RN

Injection Vol: 500.0 ul

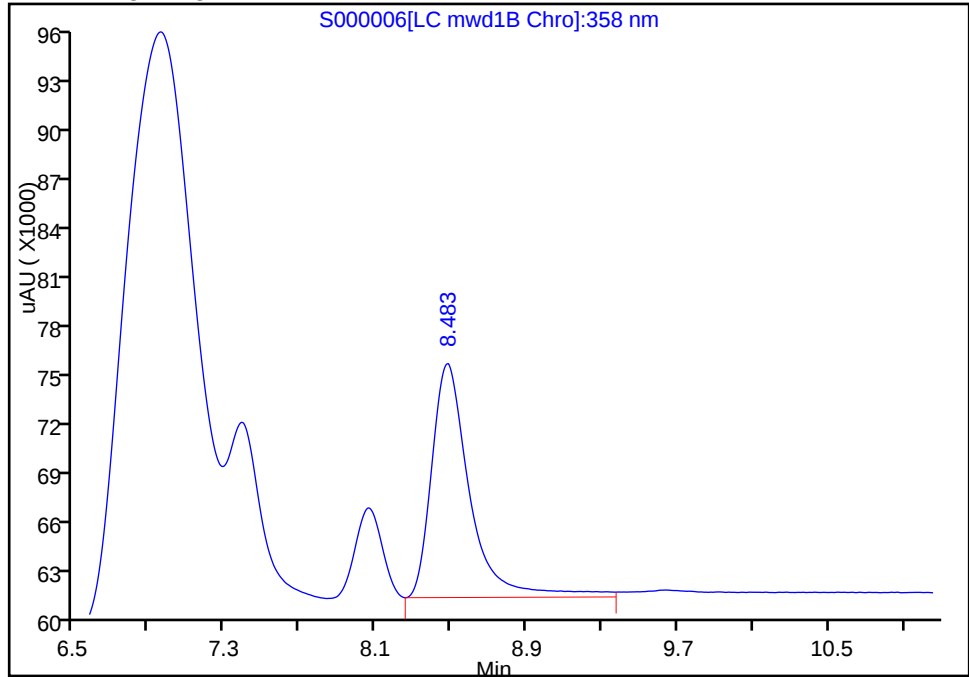
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

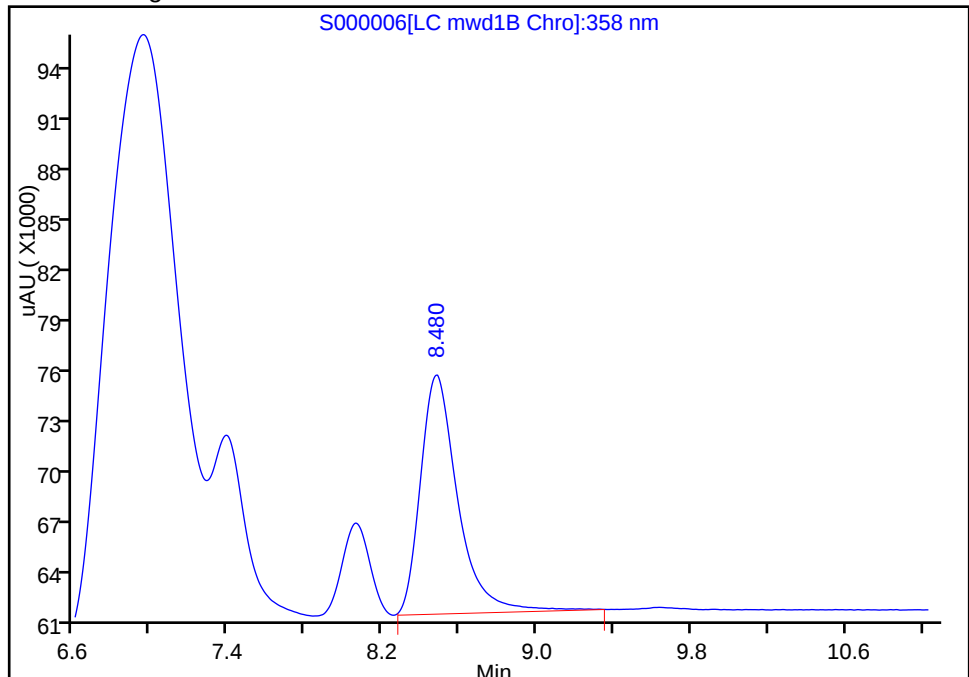
RT: 8.48
Response: 14294
Amount: 86.313819

Processing Integration Results



RT: 8.48
Response: 14238
Amount: 107.6565

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:26:29

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000006.D

Injection Date: 19-Apr-2013 12:56:26

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 5

Operator ID: RN

Injection Vol: 500.0 ul

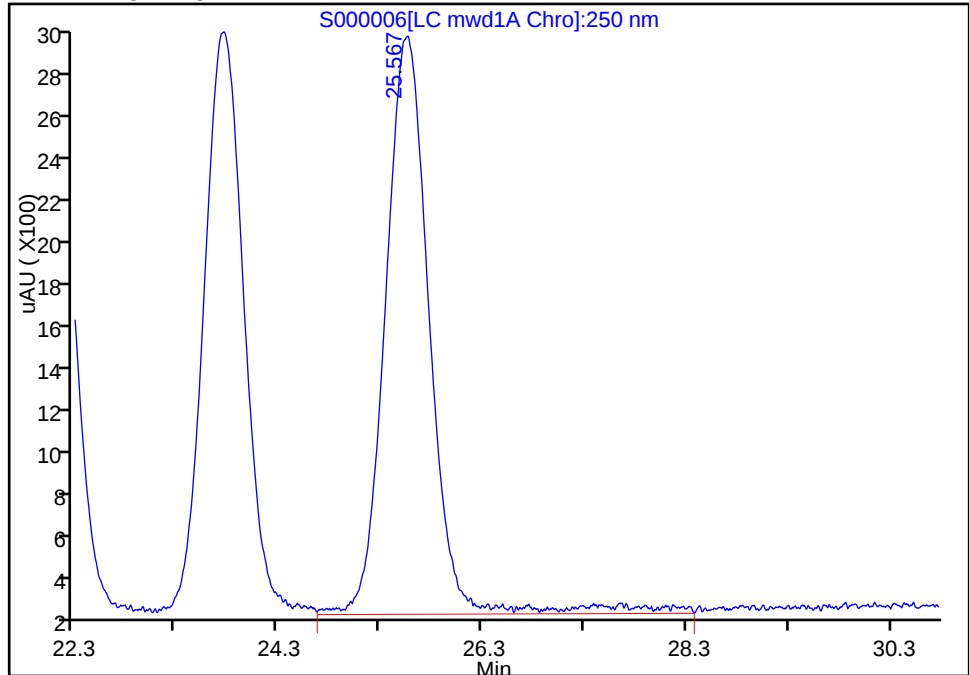
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 25.56, Det: LC mwd1A

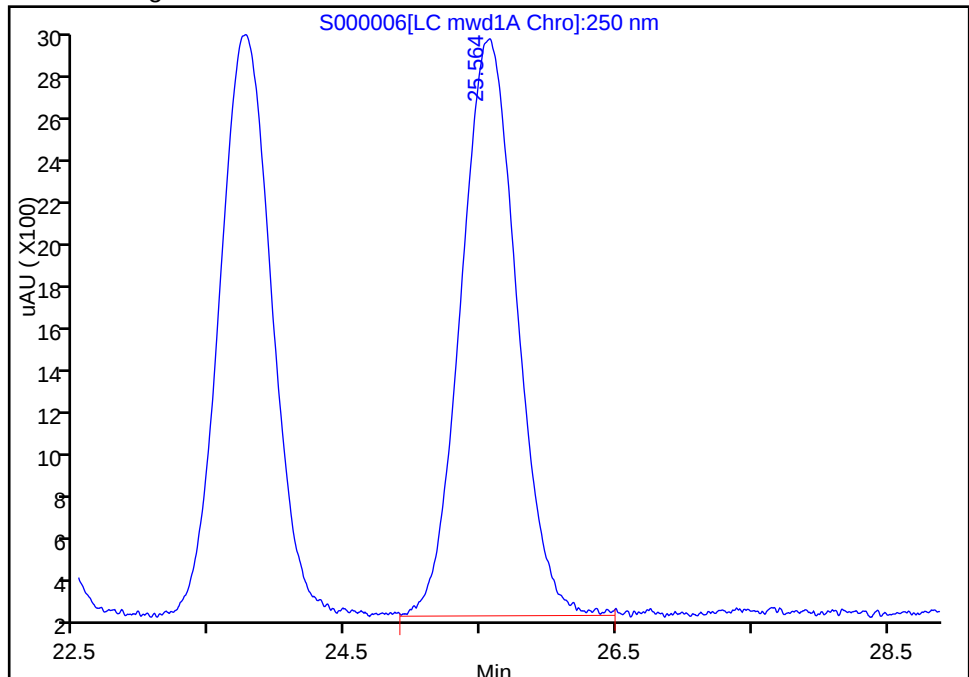
RT: 25.57
Response: 2626
Amount: 49.263671

Processing Integration Results



RT: 25.56
Response: 2613
Amount: 50.238286

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:26:29

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000007.D
 Lims ID: STD05 Client ID:
 Inject. Date: 19-Apr-2013 13:40:02 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 320-0003998-006
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 15
 Lims Batch ID: 14686 Lims Sample ID: 6
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:28 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.177	5.177	0.0	12694	101.2	
19 RDX						
1	7.397	7.397	0.0	8868	97.5	
3 Ethylene glycol dinitrate						
2	8.061	8.061	0.0	11175	101.1	
10 2,4,6-Trinitrophenol						
2	8.471	8.471	0.0	26918	203.5	
1	8.471	8.471	0.0	18680	202.8	
27 1,3,5-Trinitrobenzene						
1	9.644	9.644	0.0	16560	101.3	
24 1,3-Dinitrobenzene						
1	12.211	12.211	0.0	16482	101.6	
9 3,5-Dinitroaniline						
1	12.941	12.941	0.0	10501	101.3	
20 Tetryl						
1	13.221	13.221	0.0	9396	99.3	
5 Nitrobenzene						
1	13.884	13.884	0.0	7254	101.6	
7 Nitroglycerin						
2	14.418	14.418	0.0	6756	96.1	
25 2,4,6-Trinitrotoluene						
1	15.291	15.291	0.0	9517	99.8	
26 4-Amino-2,6-dinitrotoluene						
1	15.838	15.838	0.0	7852	100.2	
\$ 30 3,4-Dinitrotoluene						
1	16.271	16.271	0.0	5557	97.1	
2	16.274	16.274	0.0	10567	98.6	
6 2-Amino-4,6-dinitrotoluene						
1	16.801	16.801	0.0	8432	100.4	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000007.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12	2,6-Dinitrotoluene					
1	18.308	18.308	0.0	5967	99.7	
23	2,4-Dinitrotoluene					
1	18.948	18.948	0.0	9896	100.2	
16	o-Nitrotoluene					
1	22.151	22.151	0.0	4209	99.2	
15	p-Nitrotoluene					
1	23.768	23.768	0.0	5289	99.6	
8	m-Nitrotoluene					
1	25.564	25.564	0.0	5210	100.2	
21	PETN					
2	27.491	27.491	0.0	3689	93.7	

Report Date: 22-Apr-2013 09:45:28

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000007.D

Injection Date: 19-Apr-2013 13:40:02

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 6

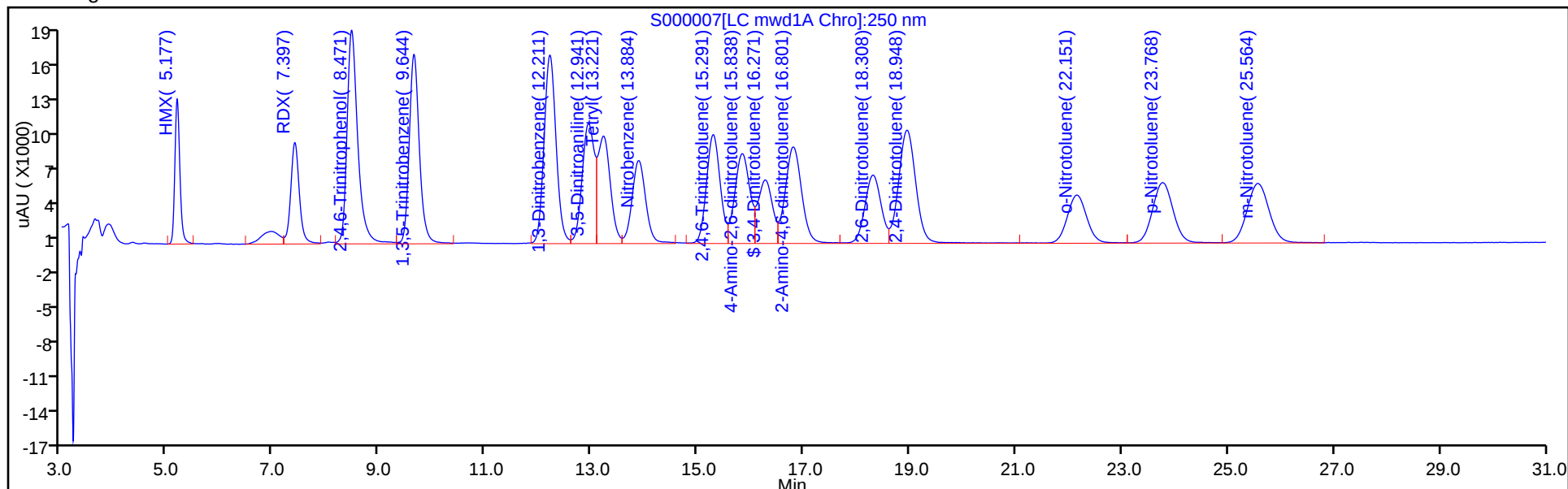
Operator ID: RN

Injection Vol: 500.0 ul

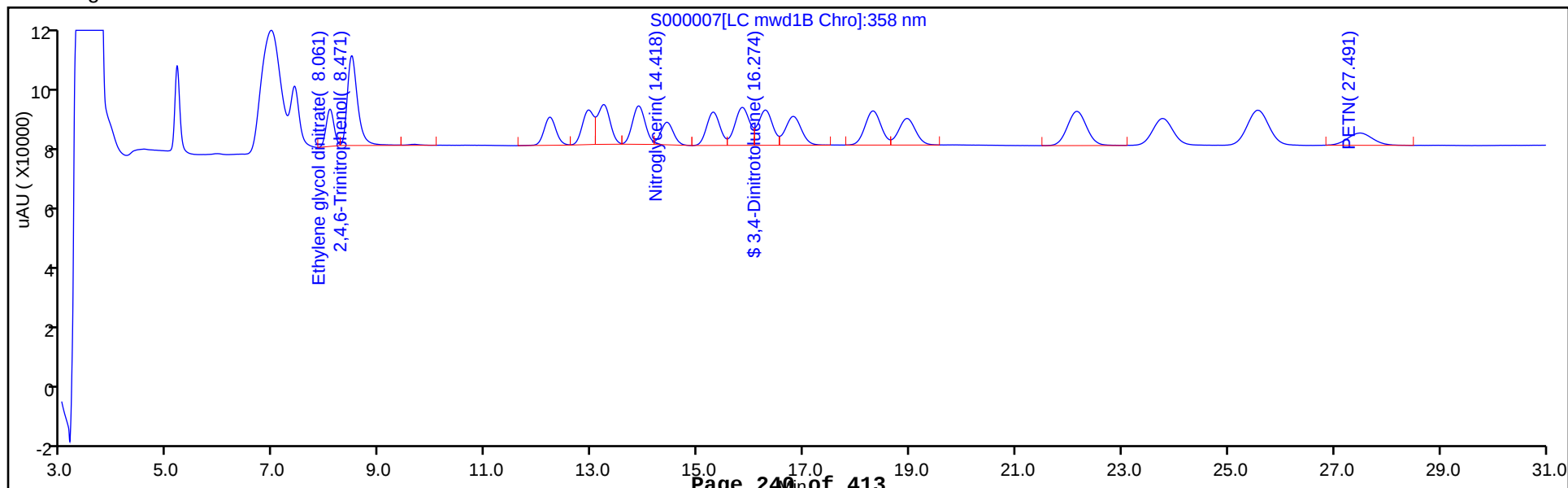
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000008.D
 Lims ID: STD06 Client ID:
 Inject. Date: 19-Apr-2013 14:23:40 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 320-0003998-007
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 16
 Lims Batch ID: 14686 Lims Sample ID: 7
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:29 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 15:27:19

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 5.176 5.177 -0.001 25267 201.4
 19 RDX
 1 7.393 7.397 -0.004 17241 189.5
 3 Ethylene glycol dinitrate
 2 8.059 8.061 -0.002 22759 205.9
 10 2,4,6-Trinitrophenol M
 2 8.433 8.471 -0.038 65156 492.7 M
 1 8.433 8.471 -0.038 44678 485.0
 27 1,3,5-Trinitrobenzene
 1 9.643 9.644 -0.001 32794 200.5
 24 1,3-Dinitrobenzene
 1 12.206 12.211 -0.005 32542 200.6
 9 3,5-Dinitroaniline
 1 12.933 12.941 -0.008 20758 200.3
 20 Tetryl
 1 13.223 13.221 0.002 18775 198.4
 5 Nitrobenzene
 1 13.886 13.884 0.002 14291 200.2
 7 Nitroglycerin
 2 14.423 14.418 0.005 13446 191.2
 25 2,4,6-Trinitrotoluene
 1 15.293 15.291 0.002 19008 199.3
 26 4-Amino-2,6-dinitrotoluene
 1 15.839 15.838 0.001 15622 199.3
 \$ 30 3,4-Dinitrotoluene
 1 16.279 16.271 0.008 10988 192.0
 2 16.279 16.274 0.005 20909 195.1

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.799	16.801	-0.002	16763	199.5	
12 2,6-Dinitrotoluene						
1	18.309	18.308	0.001	11907	199.0	
23 2,4-Dinitrotoluene						
1	18.949	18.948	0.001	19698	199.4	
16 o-Nitrotoluene						
1	22.163	22.151	0.012	8331	196.3	
15 p-Nitrotoluene						
1	23.783	23.768	0.015	10494	197.6	
8 m-Nitrotoluene						
1	25.583	25.564	0.019	10365	199.3	
21 PETN						
2	27.509	27.491	0.018	7255	184.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:29

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000008.D

Injection Date: 19-Apr-2013 14:23:40

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 7

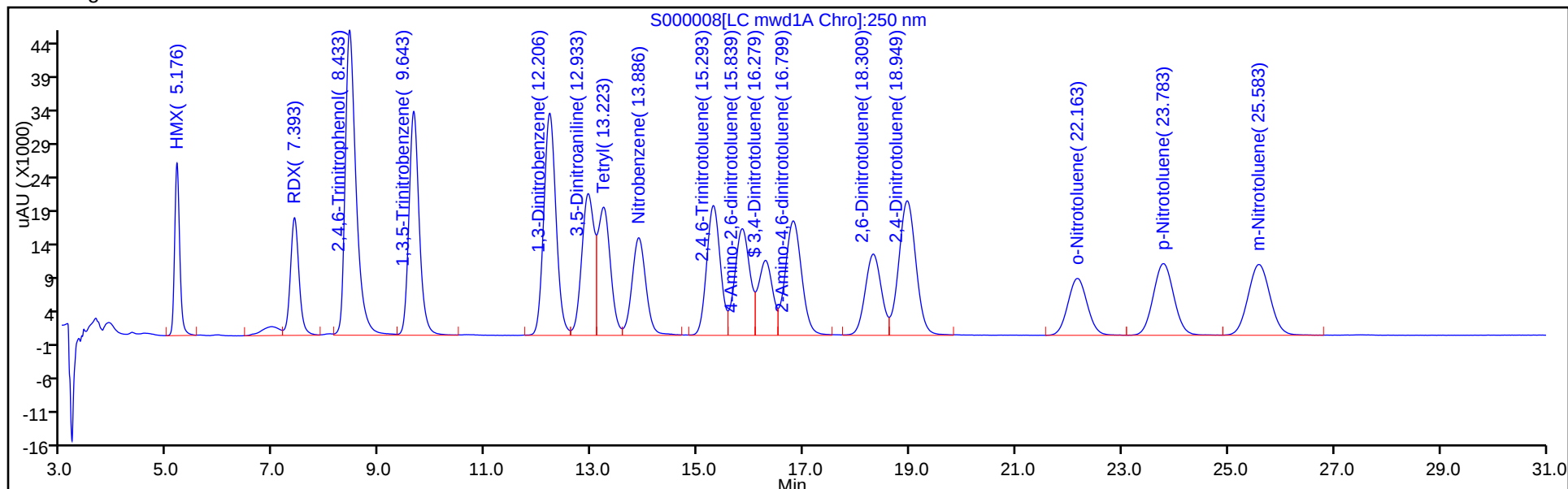
Operator ID: RN

Injection Vol: 500.0 ul

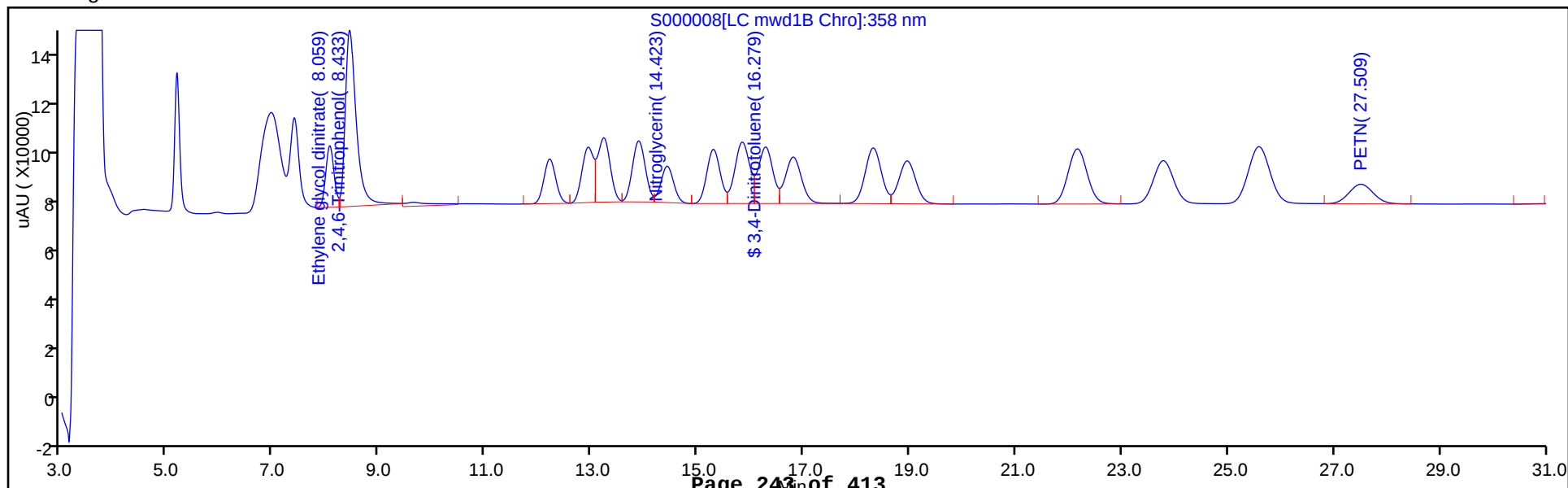
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000008.D

Injection Date: 19-Apr-2013 14:23:40

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 7

Operator ID: RN

Injection Vol: 500.0 ul

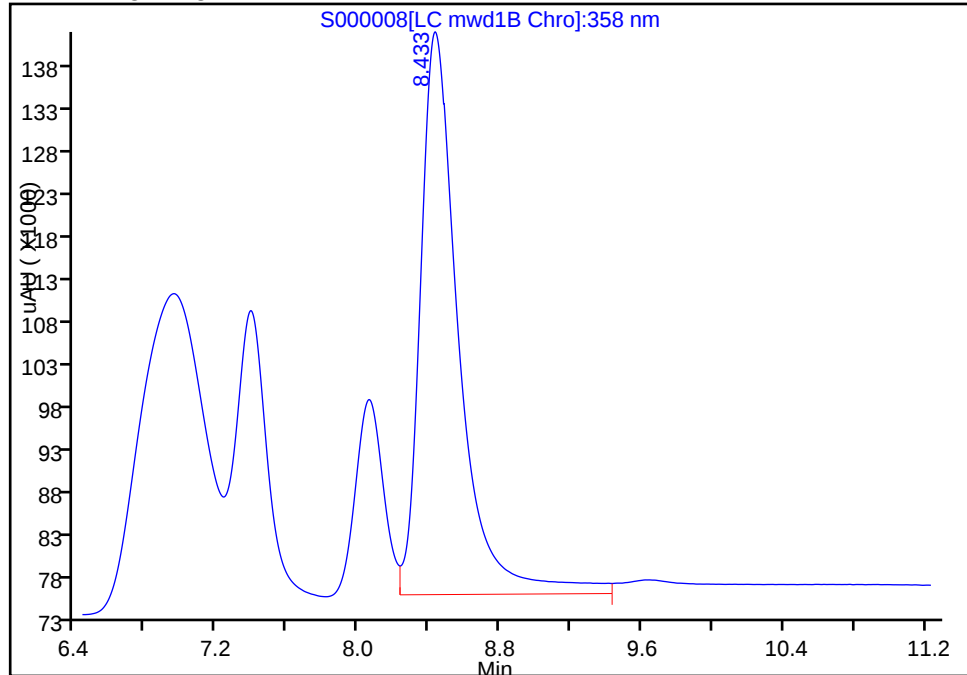
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

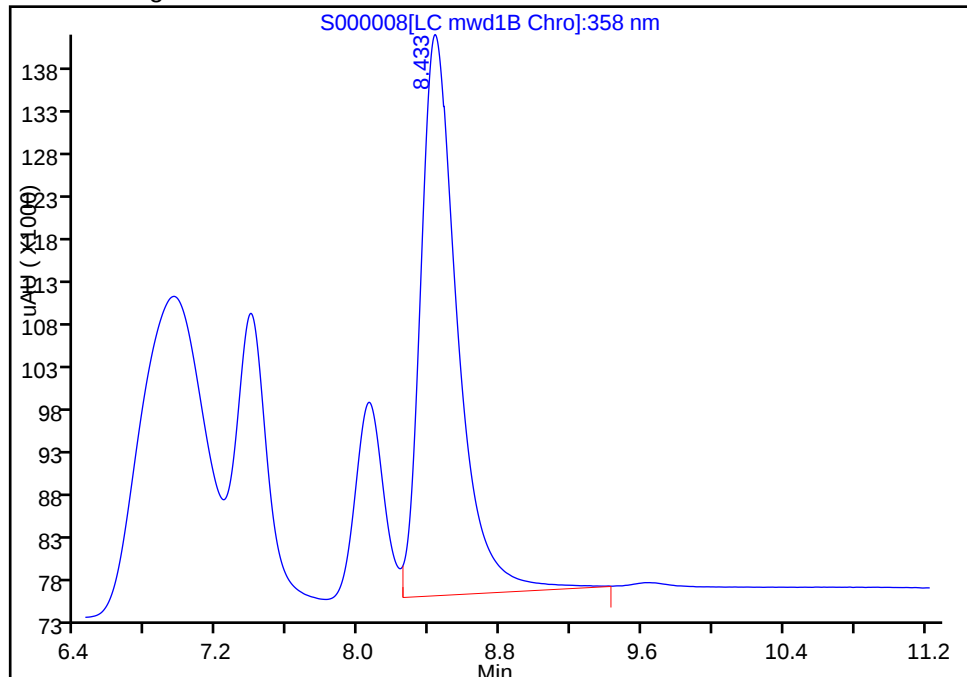
RT: 8.43
Response: 65336
Amount: 412.1979

Processing Integration Results



RT: 8.43
Response: 65156
Amount: 492.6581

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 15:27:19

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000009.D
 Lims ID: STD07 Client ID:
 Inject. Date: 19-Apr-2013 15:07:19 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: 320-0003998-008
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 17
 Lims Batch ID: 14686 Lims Sample ID: 8
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:30 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 19-Apr-2013 16:36:11

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.172	5.177	-0.005	61566	490.7	
19 RDX						
1	7.389	7.397	-0.008	40090	440.6	
3 Ethylene glycol dinitrate						
2	8.055	8.061	-0.006	54185	490.3	
10 2,4,6-Trinitrophenol						M
2	8.402	8.471	-0.069	121095	915.6	M
1	8.402	8.471	-0.069	82784	898.6	
27 1,3,5-Trinitrobenzene						
1	9.642	9.644	-0.002	78943	482.7	
24 1,3-Dinitrobenzene						
1	12.209	12.211	-0.002	77722	479.1	
9 3,5-Dinitroaniline						
1	12.939	12.941	-0.002	49661	479.2	
20 Tetryl						
1	13.229	13.221	0.008	46816	494.7	
5 Nitrobenzene						
1	13.885	13.884	0.001	34191	479.0	
7 Nitroglycerin						
2	14.429	14.418	0.011	32582	463.4	
25 2,4,6-Trinitrotoluene						
1	15.302	15.291	0.011	46703	489.6	
26 4-Amino-2,6-dinitrotoluene						
1	15.852	15.838	0.014	38004	485.0	
\$ 30 3,4-Dinitrotoluene						
1	16.282	16.271	0.011	16751	292.8	
2	16.285	16.274	0.011	31557	294.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.815	16.801	0.014	40608	483.3	
12 2,6-Dinitrotoluene						
1	18.329	18.308	0.021	29008	484.8	
23 2,4-Dinitrotoluene						
1	18.972	18.948	0.024	48115	487.0	
16 o-Nitrotoluene						
1	22.179	22.151	0.028	20494	482.8	
15 p-Nitrotoluene						
1	23.802	23.768	0.034	25862	487.0	
8 m-Nitrotoluene						
1	25.605	25.564	0.041	25555	491.3	
21 PETN						
2	27.542	27.491	0.051	17977	456.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 22-Apr-2013 09:45:30

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000009.D

Injection Date: 19-Apr-2013 15:07:19

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 8

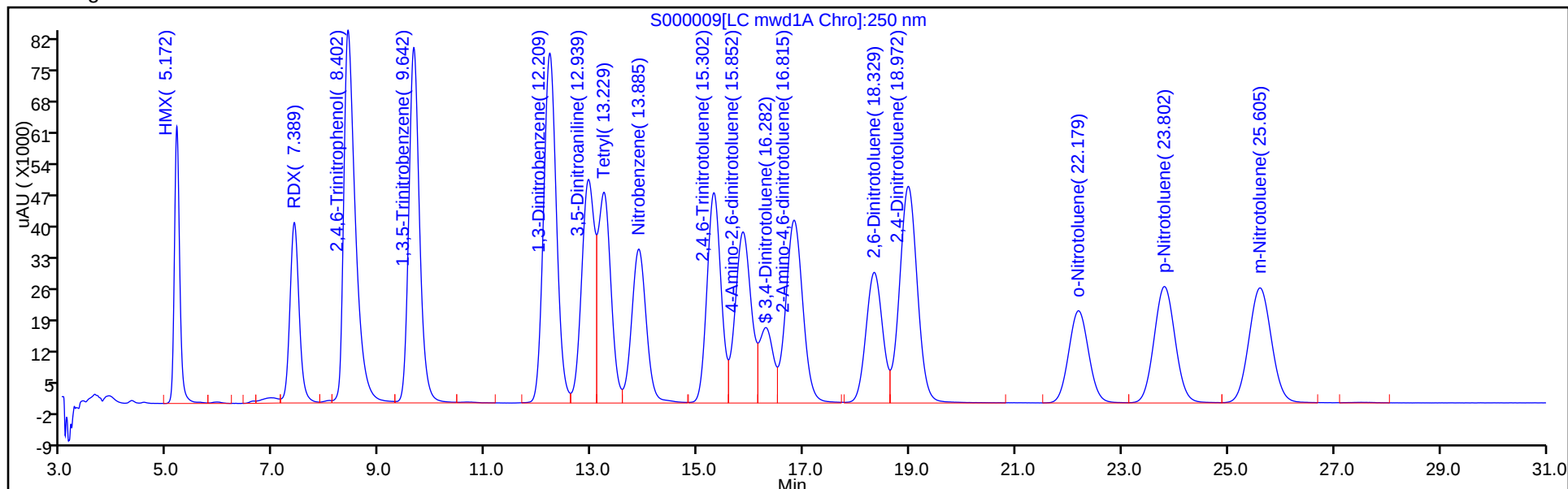
Operator ID: RN

Injection Vol: 500.0 ul

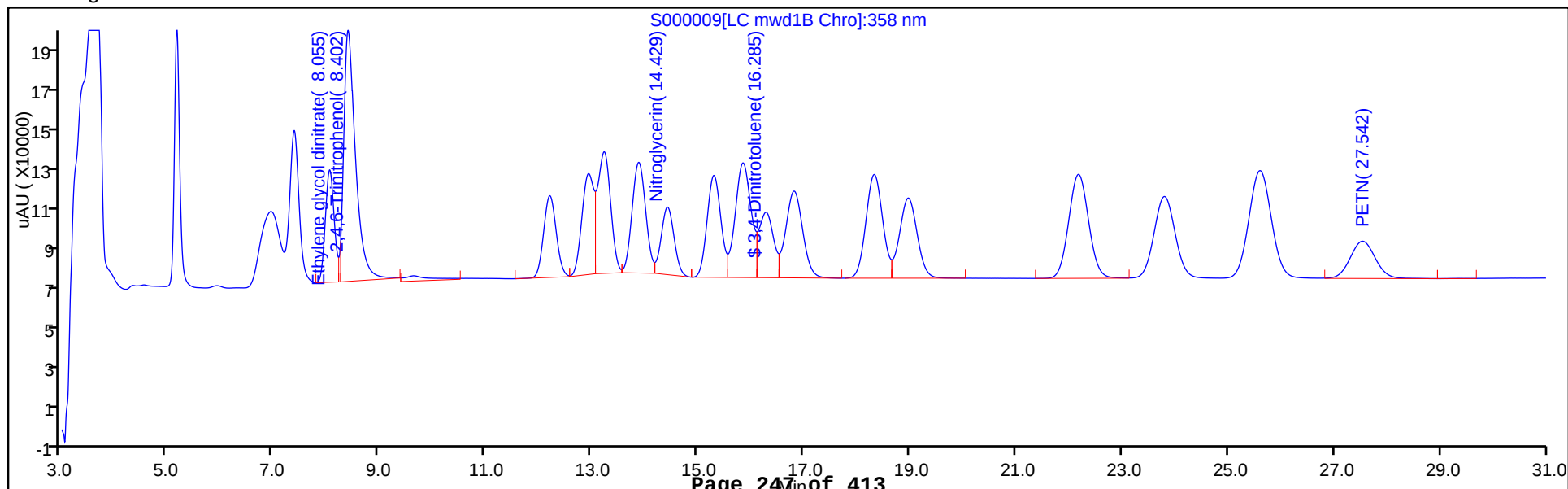
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000009.D

Injection Date: 19-Apr-2013 15:07:19

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 8

Operator ID: RN

Injection Vol: 500.0 ul

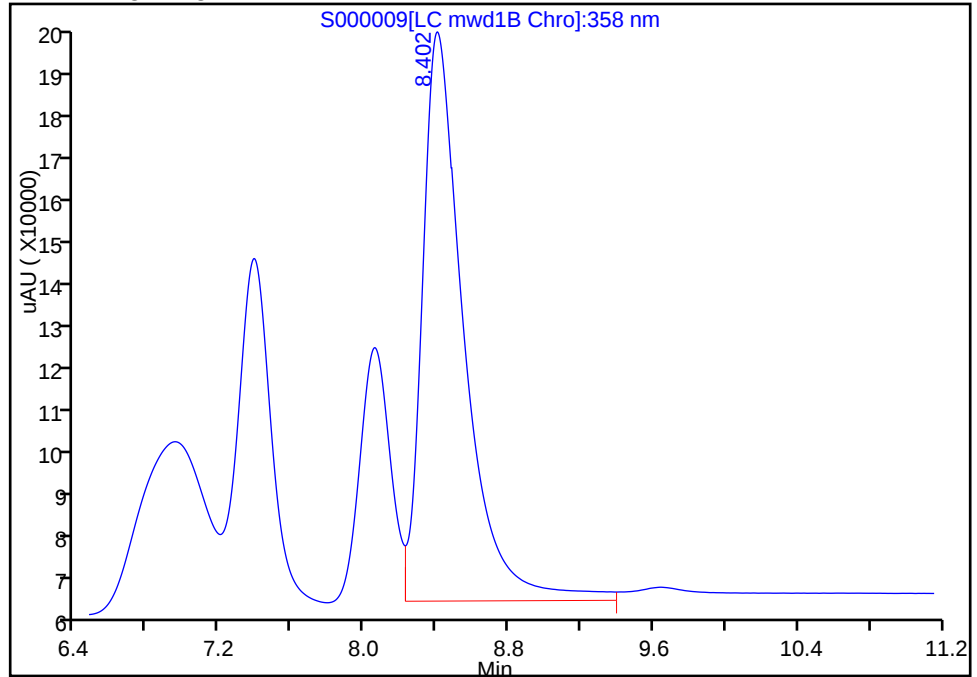
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

10 2,4,6-Trinitrophenol, Signal: 1, Type: quant, RT: 8.47, Det: LC mwd1B

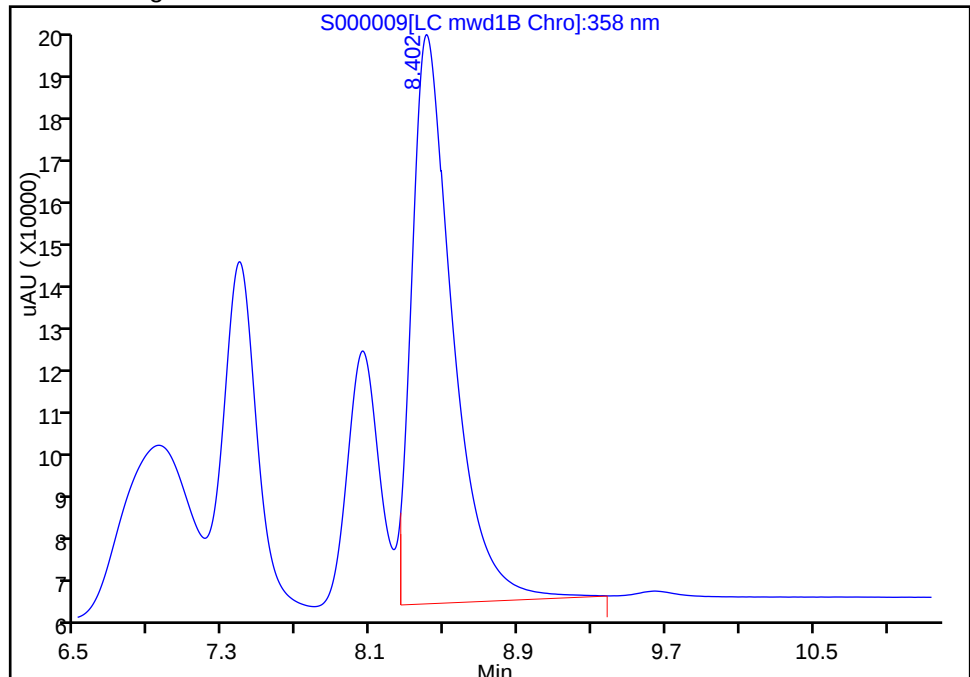
RT: 8.40
Response: 121334
Amount: 972.5626

Processing Integration Results



RT: 8.40
Response: 121095
Amount: 915.6245

Manual Integration Results



Reviewer: shafern, 19-Apr-2013 16:36:11

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Lims ID: STD08 Client ID:
 Inject. Date: 19-Apr-2013 15:51:00 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: 320-0003998-009
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 18
 Lims Batch ID: 14686 Lims Sample ID: 9
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 22-Apr-2013 09:45:31 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK024

First Level Reviewer: shafern

Date: 22-Apr-2013 09:44:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.157	5.177	-0.020	110291	879.1	
19 RDX						
1	7.354	7.397	-0.043	66491	730.7	
3 Ethylene glycol dinitrate						
2	8.030	8.061	-0.031	92745	839.2	
10 2,4,6-Trinitrophenol						
2	8.317	8.471	-0.154	211078	1596.0	
1	8.317	8.471	-0.154	142605	1547.9	
27 1,3,5-Trinitrobenzene						
1	9.614	9.644	-0.030	140814	861.0	
24 1,3-Dinitrobenzene						
1	12.164	12.211	-0.047	136282	840.0	
9 3,5-Dinitroaniline						
1	12.887	12.941	-0.054	86750	837.1	
20 Tetryl						
1	13.191	13.221	-0.030	90160	952.8	
5 Nitrobenzene						
1	13.841	13.884	-0.043	60068	841.6	
7 Nitroglycerin						
2	14.394	14.418	-0.024	60020	853.6	
25 2,4,6-Trinitrotoluene						
1	15.271	15.291	-0.020	87568	917.9	
26 4-Amino-2,6-dinitrotoluene						
1	15.797	15.838	-0.041	69235	883.5	
\$ 30 3,4-Dinitrotoluene						
1	16.231	16.271	-0.040	27760	485.2	
2	16.237	16.274	-0.037	51173	477.6	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.761	16.801	-0.040	73519	875.0	
12 2,6-Dinitrotoluene						
1	18.281	18.308	-0.027	53808	899.3	
23 2,4-Dinitrotoluene						
1	18.921	18.948	-0.027	89180	902.7	
16 o-Nitrotoluene						
1	22.141	22.151	-0.010	38030	895.9	
15 p-Nitrotoluene						
1	23.771	23.768	0.003	48433	912.1	
8 m-Nitrotoluene						
1	25.581	25.564	0.017	48102	924.8	
21 PETN						
2	27.541	27.491	0.050	35657	906.2	

Report Date: 22-Apr-2013 09:45:31

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D

Injection Date: 19-Apr-2013 15:51:00

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 9

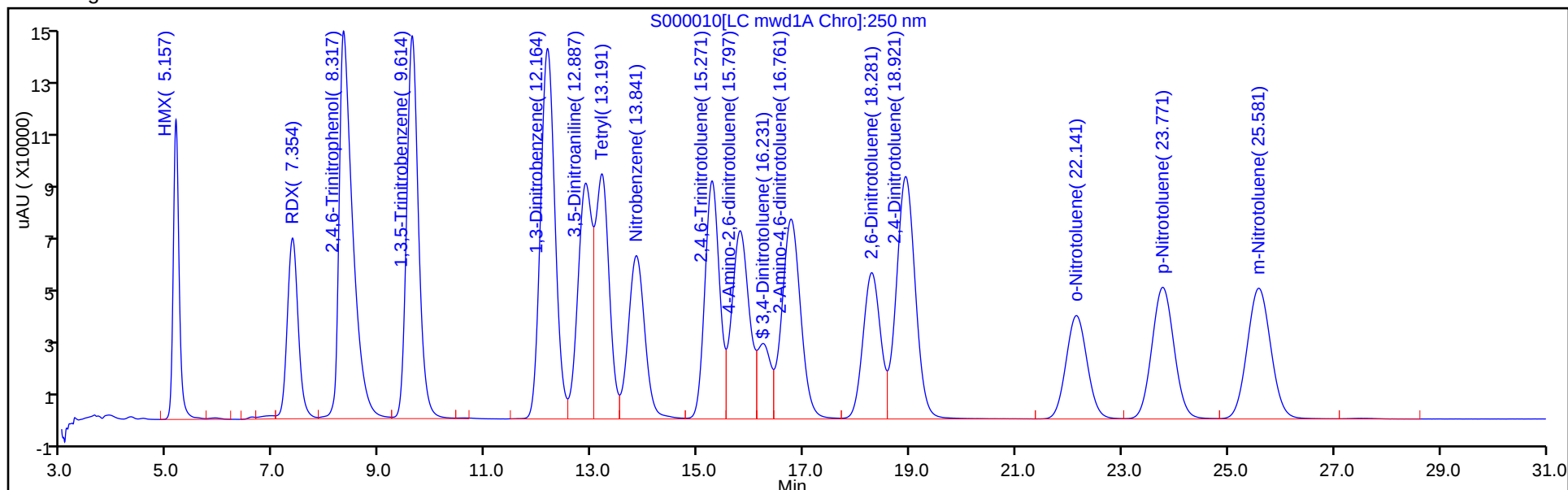
Operator ID: RN

Injection Vol: 500.0 ul

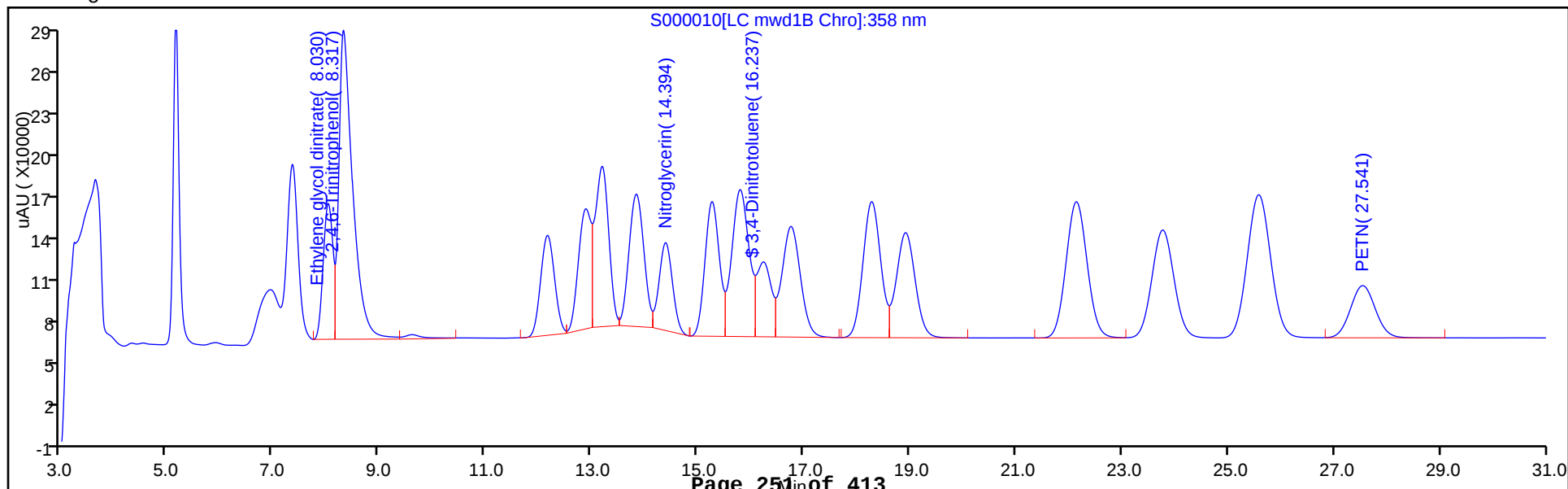
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 10422

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-10422/2	M000003.D
Level 2	STD02 320-10422/3	M000004.D
Level 3	STD03 320-10422/4	M000005.D
Level 4	STD04 320-10422/5	M000006.D
Level 5	STD05 320-10422/6	M000007.D
Level 6	STD06 320-10422/7	M000008.D
Level 7	STD07 320-10422/8	M000009.D
Level 8	STD08 320-10422/9	M000010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
Nitrobenzene	22.647	22.792	22.724	22.701	22.719	22.685	22.683	22.568			22.469 - 22.969	22.690
Ethylene glycol dinitrate			23.951	23.961	23.972	23.939	23.960	23.865			23.722 - 24.222	23.941
1,3-Dinitrobenzene	25.801	25.899	25.831	25.814	25.819	25.792	25.813	25.688			25.569 - 26.069	25.807
1,3,5-Trinitrobenzene	28.744	28.849	28.761	28.751	28.749	28.735	28.773	28.668			28.499 - 28.999	28.754
2-Nitrotoluene	29.854	29.992	29.921	29.887	29.882	29.862	29.913	29.735			29.632 - 30.132	29.881
4-Nitrotoluene	29.854	29.992	29.921	29.887	29.882	29.862	29.913	29.735			29.632 - 30.132	29.881
3-Nitrotoluene	30.464	30.599	30.514	30.491	30.496	30.475	30.523	30.328			30.246 - 30.746	30.486
3,5-Dinitroaniline	31.874	32.025	31.918	31.881	31.889	31.872	31.940	31.755			31.639 - 32.139	31.894
RDX	32.451	32.639	32.521	32.497	32.489	32.469	32.540	32.298			32.239 - 32.739	32.488
2,4-Dinitrotoluene	33.711	33.875	33.758	33.734	33.726	33.715	33.780	33.595			33.476 - 33.976	33.737
2,6-Dinitrotoluene	34.721	34.859	34.768	34.741	34.739	34.725	34.796	34.605			34.489 - 34.989	34.744
2-Amino-4,6-dinitrotoluene	36.767	36.972	36.844	36.807	36.802	36.782	36.886	36.671			36.552 - 37.052	36.816
4-Amino-2,6-dinitrotoluene	37.384	37.515	37.418	37.394	37.376	37.362	37.456	37.255			37.126 - 37.626	37.395
2,4,6-Trinitrotoluene	41.221	41.309	41.224	41.207	41.196	41.189	41.263	41.145			40.946 - 41.446	41.219
HMX	42.604	42.739	42.648	42.614	42.609	42.595	42.690	42.541			42.359 - 42.859	42.630
Nitroglycerin			45.151	45.127	45.139	45.115	45.223	45.088			44.889 - 45.389	45.141
Tetryl	46.727	46.829	46.744	46.711	46.719	46.695	46.816	46.668			46.469 - 46.969	46.739
PETN			53.101	53.074	53.082	53.039	53.166	53.048			52.832 - 53.332	53.085
3,4-Dinitrotoluene	39.014	39.169	39.041	39.004	38.999	38.979	39.073	38.891			38.749 - 39.249	39.021

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 10422

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-10422/2	M000003.D
Level 2	STD02 320-10422/3	M000004.D
Level 3	STD03 320-10422/4	M000005.D
Level 4	STD04 320-10422/5	M000006.D
Level 5	STD05 320-10422/6	M000007.D
Level 6	STD06 320-10422/7	M000008.D
Level 7	STD07 320-10422/8	M000009.D
Level 8	STD08 320-10422/9	M000010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Nitrobenzene	51.000 51.610	51.800 49.560	49.600 45.418	49.780 37.954	Ave		48.3402500				9.6		20.0			
Ethylene glycol dinitrate	22.300	22.135	24.000 21.404	22.960 18.459	Ave		21.8763333				8.6		20.0			
1,3-Dinitrobenzene	112.80 111.57	111.60 107.36	108.80 101.91	106.94 87.481	Ave		106.057000				7.8		20.0			
1,3,5-Trinitrobenzene	87.200 83.750	86.300 81.460	83.750 80.706	81.120 72.832	Ave		82.1397500				5.4		20.0			
2-Nitrotoluene	69.800 66.450	66.600 64.130	65.200 60.696	61.820 53.073	Ave		63.4711250				8.0		20.0			
4-Nitrotoluene	69.800 66.450	66.600 64.130	65.200 60.696	61.820 53.073	Ave		63.4711250				8.0		20.0			
3-Nitrotoluene	48.600 43.300	45.100 41.840	44.050 40.234	40.780 35.115	Ave		42.3773750				9.4		20.0			
3,5-Dinitroaniline	93.600 84.090	89.200 81.130	85.500 77.098	80.740 67.286	Ave		82.3305000				9.7		20.0			
RDX	59.600 48.330	54.000 46.555	51.400 45.108	47.540 39.765	Ave		49.0372500				12.0		20.0			
2,4-Dinitrotoluene	89.600 92.530	91.800 89.960	90.950 86.594	88.020 77.286	Ave		88.3425000				5.5		20.0			
2,6-Dinitrotoluene	55.000 54.920	56.600 53.555	55.400 52.806	53.420 47.331	Ave		53.6290000				5.3		20.0			
2-Amino-4,6-dinitrotoluene	69.800 78.190	78.200 76.745	75.750 75.752	75.660 65.117	Ave		74.4017500				6.2		20.0			
4-Amino-2,6-dinitrotoluene	70.600 73.020	72.200 72.060	70.750 70.936	70.380 62.561	Ave		70.3133750				4.6		20.0			
2,4,6-Trinitrotoluene	86.400 96.600	90.300 95.185	85.250 85.510	84.240 79.866	Ave		87.9188750				6.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 10422

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
HMX	65.600 66.080	66.700 65.275	67.050 65.788	65.060 60.901	Ave		65.3067500				2.9		20.0			
Nitroglycerin	87.830	89.345	91.650 94.326	94.100 91.734	Ave		91.4975000				2.8		20.0			
Tetryl	115.60 135.04	115.70 133.31	113.25 114.99	112.12 111.50	Ave		118.937750				8.0		20.0			
PETN	141.91	142.71	146.35 151.90	148.06 149.64	Ave		146.761000				2.7		20.0			
3,4-Dinitrotoluene	56.000 53.590	55.900 53.170	53.100 53.943	53.400 48.234	Ave		53.4171667				4.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 10422

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-10422/2	M000003.D
Level 2	STD02 320-10422/3	M000004.D
Level 3	STD03 320-10422/4	M000005.D
Level 4	STD04 320-10422/5	M000006.D
Level 5	STD05 320-10422/6	M000007.D
Level 6	STD06 320-10422/7	M000008.D
Level 7	STD07 320-10422/8	M000009.D
Level 8	STD08 320-10422/9	M000010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Nitrobenzene	Ave	255 9912	518 22709	992 37954	2489	5161	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	4427	10702	18459	1148	2230	200	500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	564 21471	1116 50955	2176 87481	5347	11157	5.00 200	10.0 500	20.0 1000	50.0	100
1,3,5-Trinitrobenzene	Ave	436 16292	863 40353	1675 72832	4056	8375	5.00 200	10.0 500	20.0 1000	50.0	100
2-Nitrotoluene	Ave	349 12826	666 30348	1304 53073	3091	6645	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	349 12826	666 30348	1304 53073	3091	6645	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	243 8368	451 20117	881 35115	2039	4330	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	468 16226	892 38549	1710 67286	4037	8409	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	298 9311	540 22554	1028 39765	2377	4833	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	448 17992	918 43297	1819 77286	4401	9253	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	275 10711	566 26403	1108 47331	2671	5492	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	349 15349	782 37876	1515 65117	3783	7819	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	353 14412	722 35468	1415 62561	3519	7302	5.00 200	10.0 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	432 19037	903 42755	1705 79866	4212	9660	5.00 200	10.0 500	20.0 1000	50.0	100
HMX	Ave	328 13055	667 32894	1341 60901	3253	6608	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2 Analy Batch No.: 10422

SDG No.: _____

Instrument ID: LC12 GC Column: Zorbax CN ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/13/2013 17:16 Calibration End Date: 02/14/2013 00:54 Calibration ID: 2128

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Nitroglycerin	Ave	17869	47163	1833 91734	4705	8783	200	500	20.0 1000	50.0	100
Tetryl	Ave	578 26661	1157 57496	2265 111495	5606	13504	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	28542	75949	2927 149638	7403	14191	200	500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	280 10634	559 16183	1062 24117	2670	5359	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:

Ave = Average by Height

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000003.D
 Lims ID: STD01 Client ID:
 Inject. Date: 13-Feb-2013 17:16:36 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 320-0002792-002
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 11
 Lims Batch ID: 10422 Lims Sample ID: 2
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:13 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:29:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.647	22.719	-0.072	255	5.28	
3 Ethylene glycol dinitrate						
2	23.981	23.972	0.009	122	5.58	
24 1,3-Dinitrobenzene						
1	25.801	25.819	-0.018	564	5.32	
27 1,3,5-Trinitrobenzene						
1	28.744	28.749	-0.005	436	5.31	
16 o-Nitrotoluene						
1	29.854	29.882	-0.028	349	5.50	
15 p-Nitrotoluene						
1	29.854	29.882	-0.028	349	5.50	
8 m-Nitrotoluene						
1	30.464	30.496	-0.032	243	5.73	
9 3,5-Dinitroaniline						
1	31.874	31.889	-0.015	468	5.68	
19 RDX						
1	32.451	32.489	-0.038	298	6.08	
23 2,4-Dinitrotoluene						
1	33.711	33.726	-0.015	448	5.07	
12 2,6-Dinitrotoluene						
1	34.721	34.739	-0.018	275	5.13	
6 2-Amino-4,6-dinitrotoluene						
1	36.767	36.802	-0.035	349	4.69	
26 4-Amino-2,6-dinitrotoluene						
1	37.384	37.376	0.008	353	5.02	
\$ 30 3,4-Dinitrotoluene						
1	39.014	38.999	0.015	280	5.24	

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000003.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.221	41.196	0.025	432	4.91	
11 HMX						
1	42.604	42.609	-0.005	328	5.02	
7 Nitroglycerin						
2	45.137	45.139	-0.002	244	2.67	
20 Tetryl						
1	46.727	46.719	0.008	578	4.86	
21 PETN						
2	53.067	53.082	-0.015	744	5.07	

Report Date: 14-Feb-2013 07:52:14

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000003.D

Injection Date: 13-Feb-2013 17:16:36

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 2

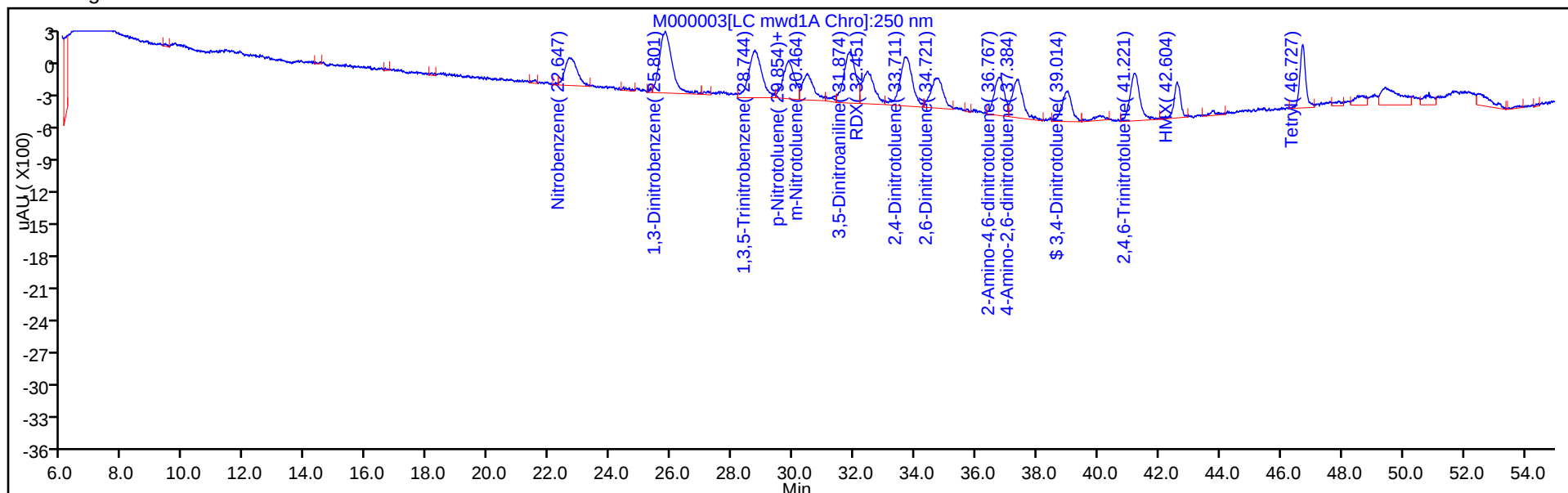
Operator ID: RN

Injection Vol: 500.0 ul

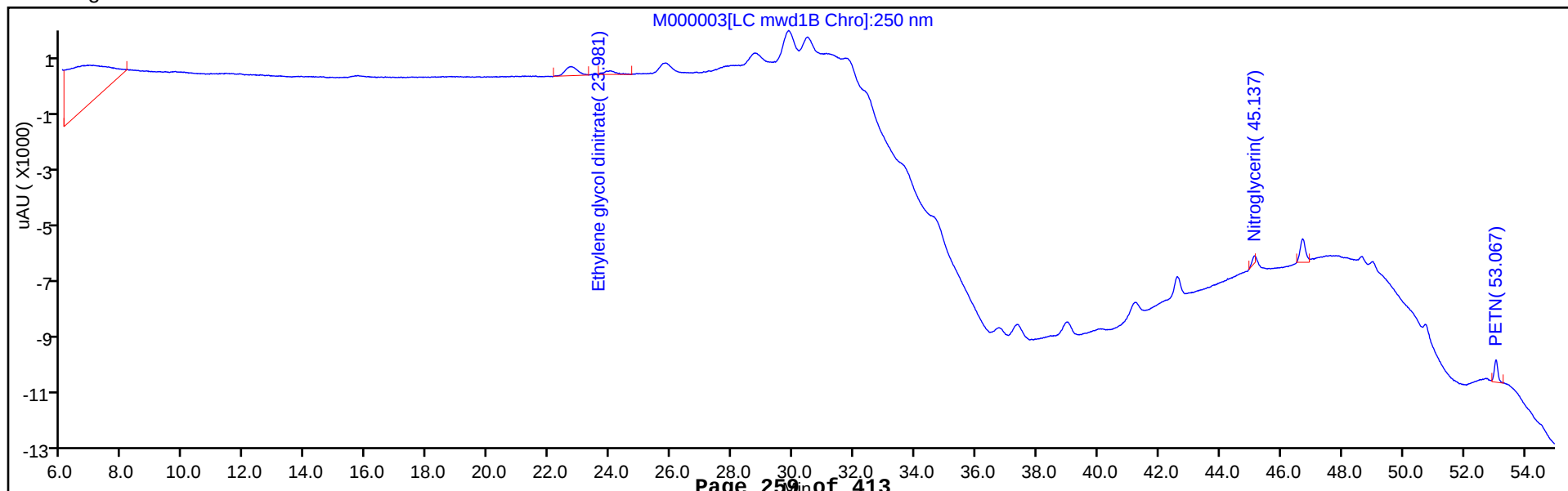
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000004.D
 Lims ID: STD02 Client ID:
 Inject. Date: 13-Feb-2013 18:22:04 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 320-0002792-003
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 12
 Lims Batch ID: 10422 Lims Sample ID: 3
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:14 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:42:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
-----	----	-----------	-----------	----------	---------------------	-------

5 Nitrobenzene						
1	22.792	22.719	0.073	518	10.7	
3 Ethylene glycol dinitrate						
2	24.042	23.972	0.070	246	11.2	
24 1,3-Dinitrobenzene						
1	25.899	25.819	0.080	1116	10.5	
27 1,3,5-Trinitrobenzene						
1	28.849	28.749	0.100	863	10.5	
16 o-Nitrotoluene						
1	29.992	29.882	0.110	666	10.5	
15 p-Nitrotoluene						
1	29.992	29.882	0.110	666	10.5	
8 m-Nitrotoluene						
1	30.599	30.496	0.103	451	10.6	
9 3,5-Dinitroaniline						
1	32.025	31.889	0.136	892	10.8	
19 RDX						
1	32.639	32.489	0.150	540	11.0	
23 2,4-Dinitrotoluene						
1	33.875	33.726	0.149	918	10.4	
12 2,6-Dinitrotoluene						
1	34.859	34.739	0.120	566	10.6	
6 2-Amino-4,6-dinitrotoluene						
1	36.972	36.802	0.170	782	10.5	
26 4-Amino-2,6-dinitrotoluene						
1	37.515	37.376	0.139	722	10.3	
\$ 30 3,4-Dinitrotoluene						
1	39.169	38.999	0.170	559	10.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.309	41.196	0.113	903	10.3	
11 HMX						
1	42.739	42.609	0.130	667	10.2	
7 Nitroglycerin						
2	45.239	45.139	0.100	540	5.90	
20 Tetryl						
1	46.829	46.719	0.110	1157	9.73	
21 PETN						
2	53.155	53.082	0.073	1475	10.1	

Report Date: 14-Feb-2013 07:52:15

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000004.D

Injection Date: 13-Feb-2013 18:22:04

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 3

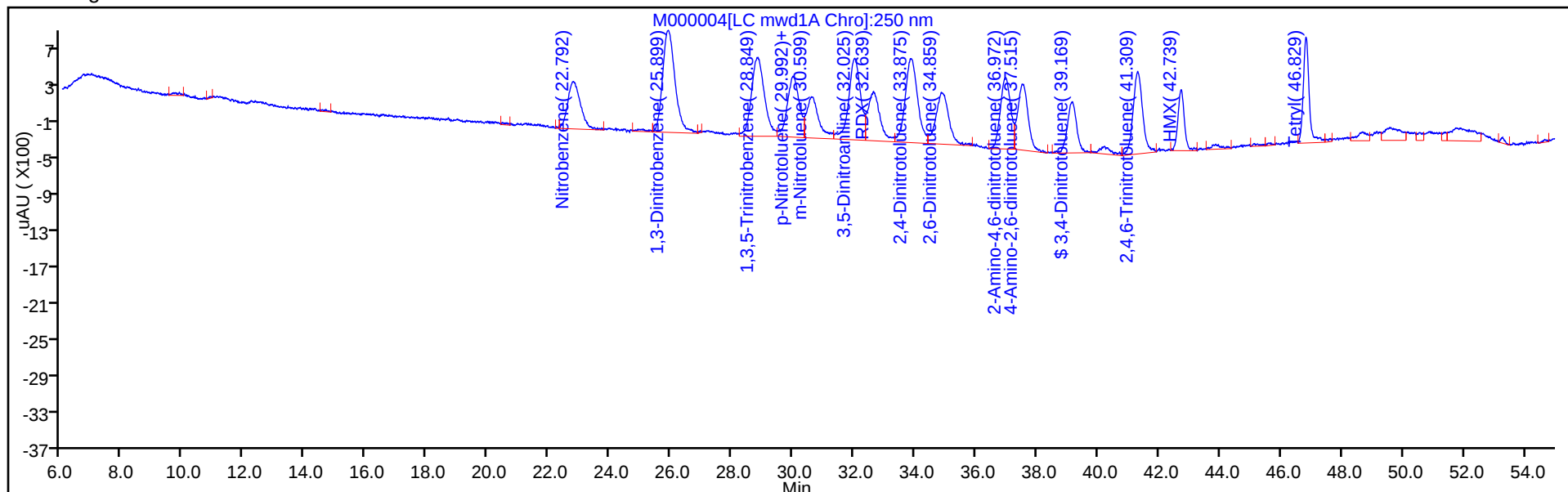
Operator ID: RN

Injection Vol: 500.0 ul

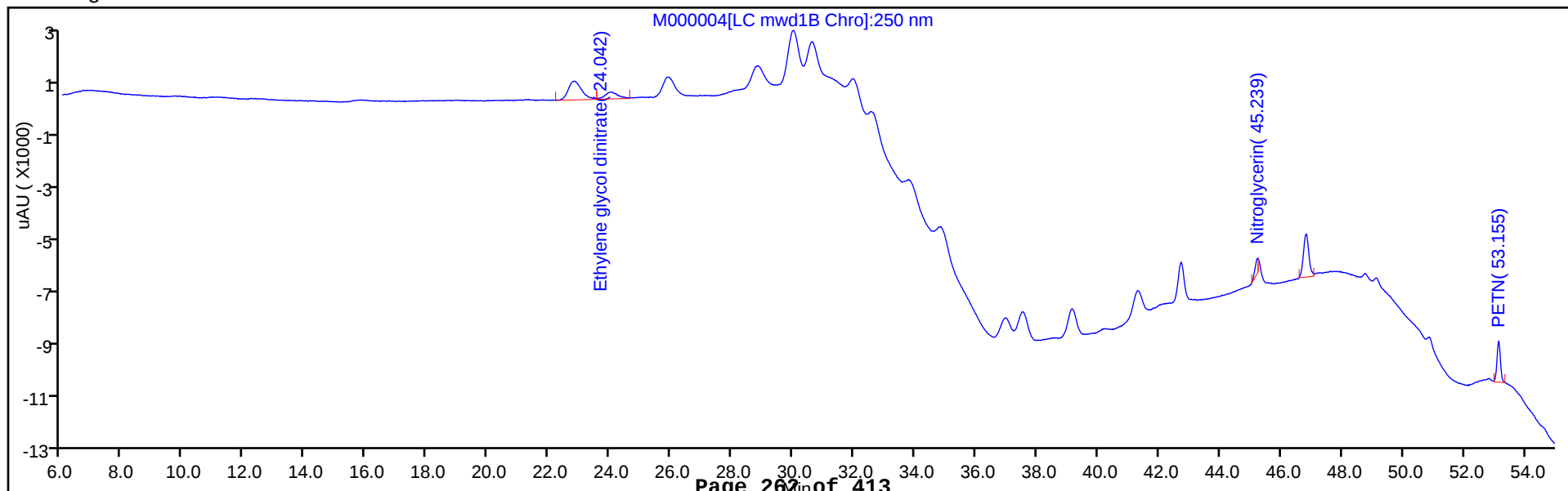
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000005.D
 Lims ID: STD03 Client ID:
 Inject. Date: 13-Feb-2013 19:27:28 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 320-0002792-004
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 13
 Lims Batch ID: 10422 Lims Sample ID: 4
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:15 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:42:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
-----	----	-----------	-----------	----------	---------------------	-------

5 Nitrobenzene						
1	22.724	22.719	0.005	992	20.5	
3 Ethylene glycol dinitrate						
2	23.951	23.972	-0.021	480	21.9	
24 1,3-Dinitrobenzene						
1	25.831	25.819	0.012	2176	20.5	
27 1,3,5-Trinitrobenzene						
1	28.761	28.749	0.012	1675	20.4	
16 o-Nitrotoluene						
1	29.921	29.882	0.039	1304	20.5	
15 p-Nitrotoluene						
1	29.921	29.882	0.039	1304	20.5	
8 m-Nitrotoluene						
1	30.514	30.496	0.018	881	20.8	
9 3,5-Dinitroaniline						
1	31.918	31.889	0.029	1710	20.8	
19 RDX						
1	32.521	32.489	0.032	1028	21.0	
23 2,4-Dinitrotoluene						
1	33.758	33.726	0.032	1819	20.6	
12 2,6-Dinitrotoluene						
1	34.768	34.739	0.029	1108	20.7	
6 2-Amino-4,6-dinitrotoluene						
1	36.844	36.802	0.042	1515	20.4	
26 4-Amino-2,6-dinitrotoluene						
1	37.418	37.376	0.042	1415	20.1	
\$ 30 3,4-Dinitrotoluene						
1	39.041	38.999	0.042	1062	19.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.224	41.196	0.028	1705	19.4	
11 HMX						
1	42.648	42.609	0.039	1341	20.5	
7 Nitroglycerin						
2	45.151	45.139	0.012	1833	20.0	
20 Tetryl						
1	46.744	46.719	0.025	2265	19.0	
21 PETN						
2	53.101	53.082	0.019	2927	19.9	

Report Date: 14-Feb-2013 07:52:16

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000005.D

Injection Date: 13-Feb-2013 19:27:28

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 4

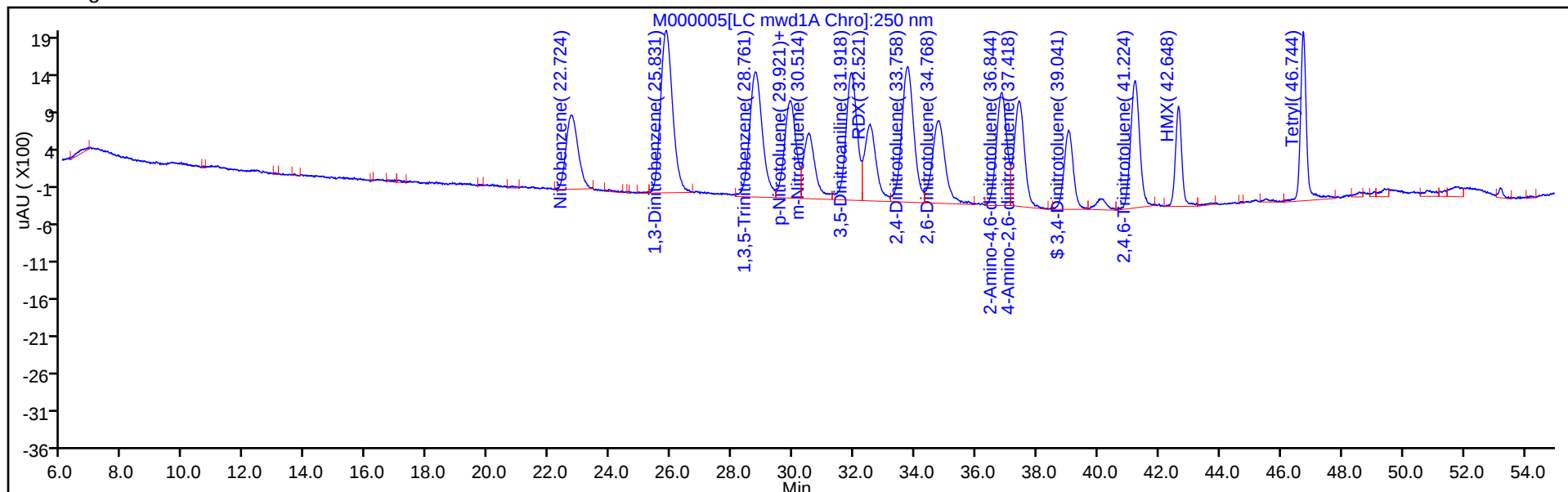
Operator ID: RN

Injection Vol: 500.0 ul

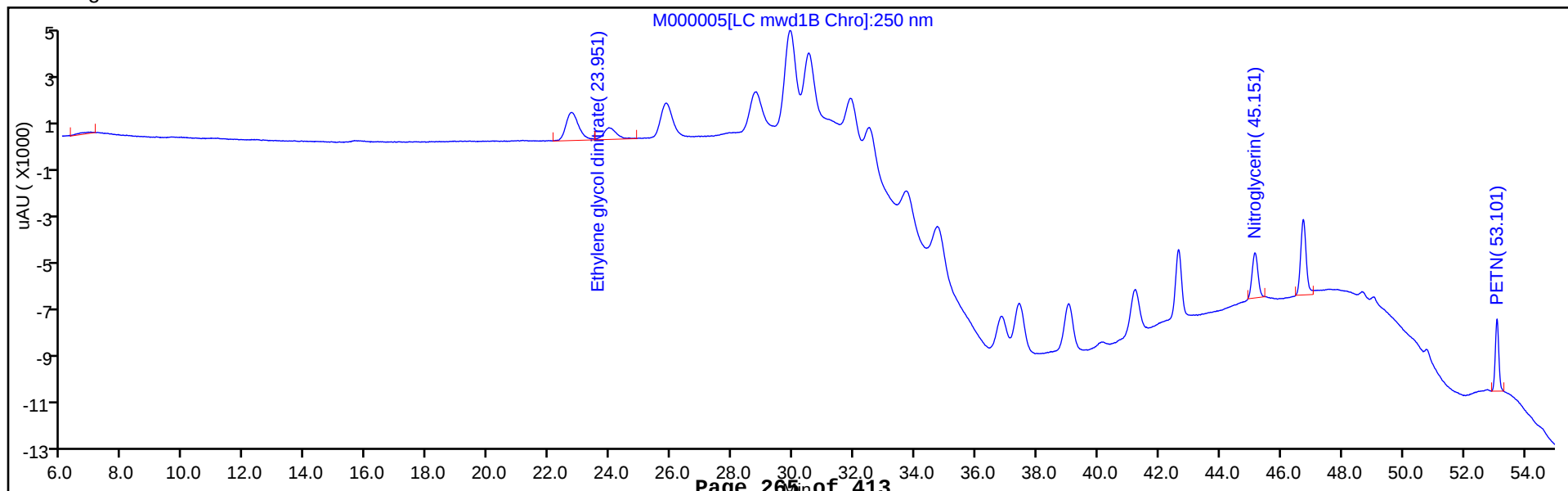
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000006.D
 Lims ID: STD04 Client ID:
 Inject. Date: 13-Feb-2013 20:32:51 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 320-0002792-005
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 14
 Lims Batch ID: 10422 Lims Sample ID: 5
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:16 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:45:51

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.701	22.719	-0.018	2489	51.5	
3 Ethylene glycol dinitrate						
2	23.961	23.972	-0.011	1148	52.5	
24 1,3-Dinitrobenzene						
1	25.814	25.819	-0.005	5347	50.4	
27 1,3,5-Trinitrobenzene						
1	28.751	28.749	0.002	4056	49.4	
16 o-Nitrotoluene						
1	29.887	29.882	0.005	3091	48.7	
15 p-Nitrotoluene						
1	29.887	29.882	0.005	3091	48.7	
8 m-Nitrotoluene						
1	30.491	30.496	-0.005	2039	48.1	
9 3,5-Dinitroaniline						
1	31.881	31.889	-0.008	4037	49.0	
19 RDX						
1	32.497	32.489	0.008	2377	48.5	
23 2,4-Dinitrotoluene						
1	33.734	33.726	0.008	4401	49.8	
12 2,6-Dinitrotoluene						
1	34.741	34.739	0.002	2671	49.8	
6 2-Amino-4,6-dinitrotoluene						
1	36.807	36.802	0.005	3783	50.8	
26 4-Amino-2,6-dinitrotoluene						
1	37.394	37.376	0.018	3519	50.0	
\$ 30 3,4-Dinitrotoluene						
1	39.004	38.999	0.005	2670	50.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.207	41.196	0.011	4212	47.9	
11 HMX						
1	42.614	42.609	0.005	3253	49.8	
7 Nitroglycerin						
2	45.127	45.139	-0.012	4705	51.4	
20 Tetryl						
1	46.711	46.719	-0.008	5606	47.1	
21 PETN						
2	53.074	53.082	-0.008	7403	50.4	

Report Date: 14-Feb-2013 07:52:16

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000006.D

Injection Date: 13-Feb-2013 20:32:51

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 5

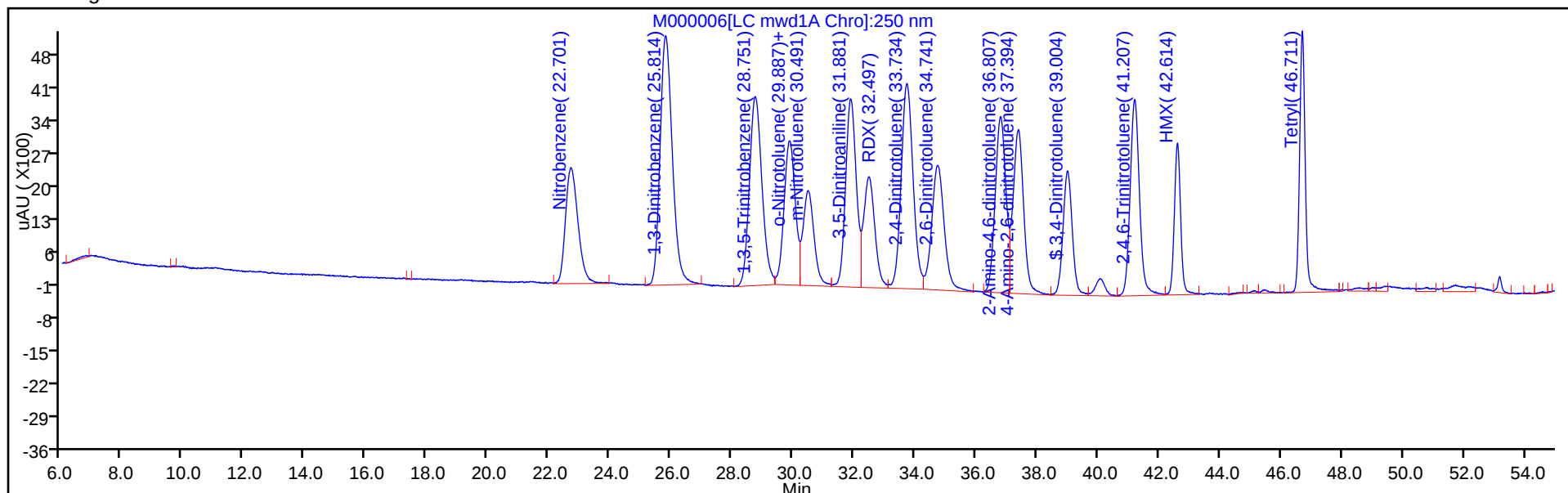
Operator ID: RN

Injection Vol: 500.0 ul

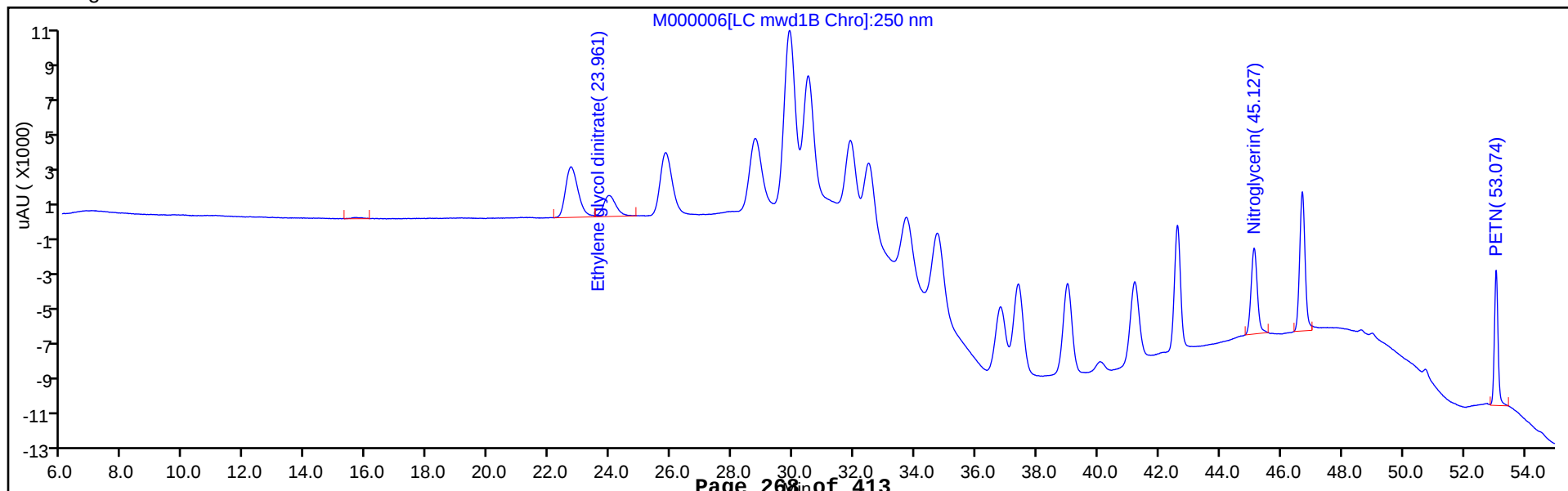
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000007.D
 Lims ID: STD05 Client ID:
 Inject. Date: 13-Feb-2013 21:38:19 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 320-0002792-006
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 15
 Lims Batch ID: 10422 Lims Sample ID: 6
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:17 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:47:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.719	22.719	0.0	5161	106.8	
3 Ethylene glycol dinitrate						
2	23.972	23.972	0.0	2230	101.9	
24 1,3-Dinitrobenzene						
1	25.819	25.819	0.0	11157	105.2	
27 1,3,5-Trinitrobenzene						
1	28.749	28.749	0.0	8375	102.0	
16 o-Nitrotoluene						
1	29.882	29.882	0.0	6645	104.7	
15 p-Nitrotoluene						
1	29.882	29.882	0.0	6645	104.7	
8 m-Nitrotoluene						
1	30.496	30.496	0.0	4330	102.2	
9 3,5-Dinitroaniline						
1	31.889	31.889	0.0	8409	102.1	
19 RDX						
1	32.489	32.489	0.0	4833	98.6	
23 2,4-Dinitrotoluene						
1	33.726	33.726	0.0	9253	104.7	
12 2,6-Dinitrotoluene						
1	34.739	34.739	0.0	5492	102.4	
6 2-Amino-4,6-dinitrotoluene						
1	36.802	36.802	0.0	7819	105.1	
26 4-Amino-2,6-dinitrotoluene						
1	37.376	37.376	0.0	7302	103.8	
\$ 30 3,4-Dinitrotoluene						
1	38.999	38.999	0.0	5359	100.3	

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000007.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.196	41.196	0.0	9660	109.9	
11 HMX						
1	42.609	42.609	0.0	6608	101.2	
7 Nitroglycerin						
2	45.139	45.139	0.0	8783	96.0	
20 Tetryl						
1	46.719	46.719	0.0	13504	113.5	
21 PETN						
2	53.082	53.082	0.0	14191	96.7	

Report Date: 14-Feb-2013 07:52:17

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000007.D

Injection Date: 13-Feb-2013 21:38:19

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 6

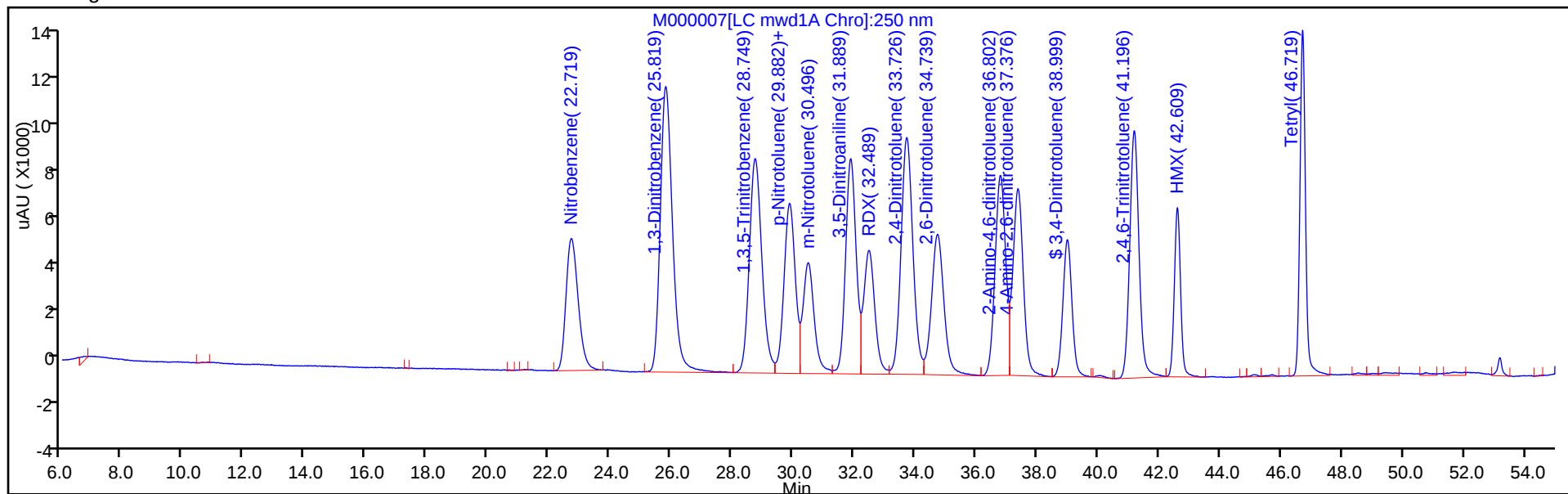
Operator ID: RN

Injection Vol: 500.0 ul

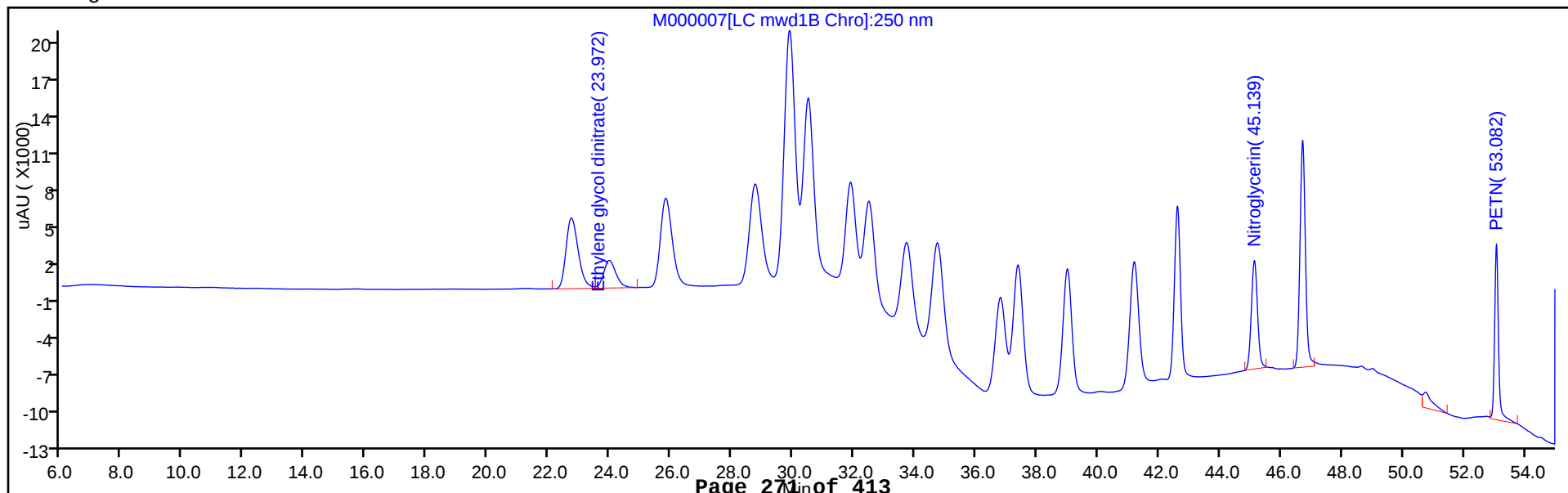
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000008.D
 Lims ID: STD06 Client ID:
 Inject. Date: 13-Feb-2013 22:43:44 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 320-0002792-007
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 16
 Lims Batch ID: 10422 Lims Sample ID: 7
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:18 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:47:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.685	22.719	-0.034	9912	205.0	
3 Ethylene glycol dinitrate						
2	23.939	23.972	-0.033	4427	202.4	
24 1,3-Dinitrobenzene						
1	25.792	25.819	-0.027	21471	202.4	
27 1,3,5-Trinitrobenzene						
1	28.735	28.749	-0.014	16292	198.3	
16 o-Nitrotoluene						
1	29.862	29.882	-0.020	12826	202.1	
15 p-Nitrotoluene						
1	29.862	29.882	-0.020	12826	202.1	
8 m-Nitrotoluene						
1	30.475	30.496	-0.021	8368	197.5	
9 3,5-Dinitroaniline						
1	31.872	31.889	-0.017	16226	197.1	
19 RDX						
1	32.469	32.489	-0.020	9311	189.9	
23 2,4-Dinitrotoluene						
1	33.715	33.726	-0.011	17992	203.7	
12 2,6-Dinitrotoluene						
1	34.725	34.739	-0.014	10711	199.7	
6 2-Amino-4,6-dinitrotoluene						
1	36.782	36.802	-0.020	15349	206.3	
26 4-Amino-2,6-dinitrotoluene						
1	37.362	37.376	-0.014	14412	205.0	
\$ 30 3,4-Dinitrotoluene						
1	38.979	38.999	-0.020	10634	199.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.189	41.196	-0.007	19037	216.5	
11 HMX						
1	42.595	42.609	-0.014	13055	199.9	
7 Nitroglycerin						
2	45.115	45.139	-0.024	17869	195.3	
20 Tetryl						
1	46.695	46.719	-0.024	26661	224.2	
21 PETN						
2	53.039	53.082	-0.043	28542	194.5	

Report Date: 14-Feb-2013 07:52:18

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000008.D

Injection Date: 13-Feb-2013 22:43:44

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 7

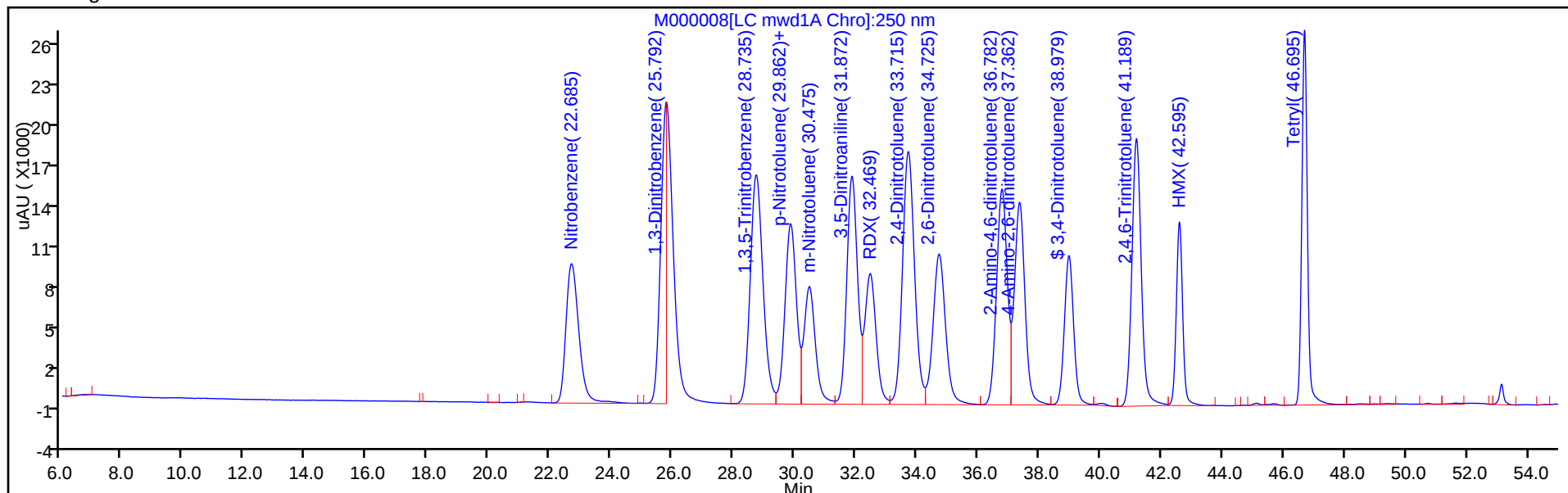
Operator ID: RN

Injection Vol: 500.0 ul

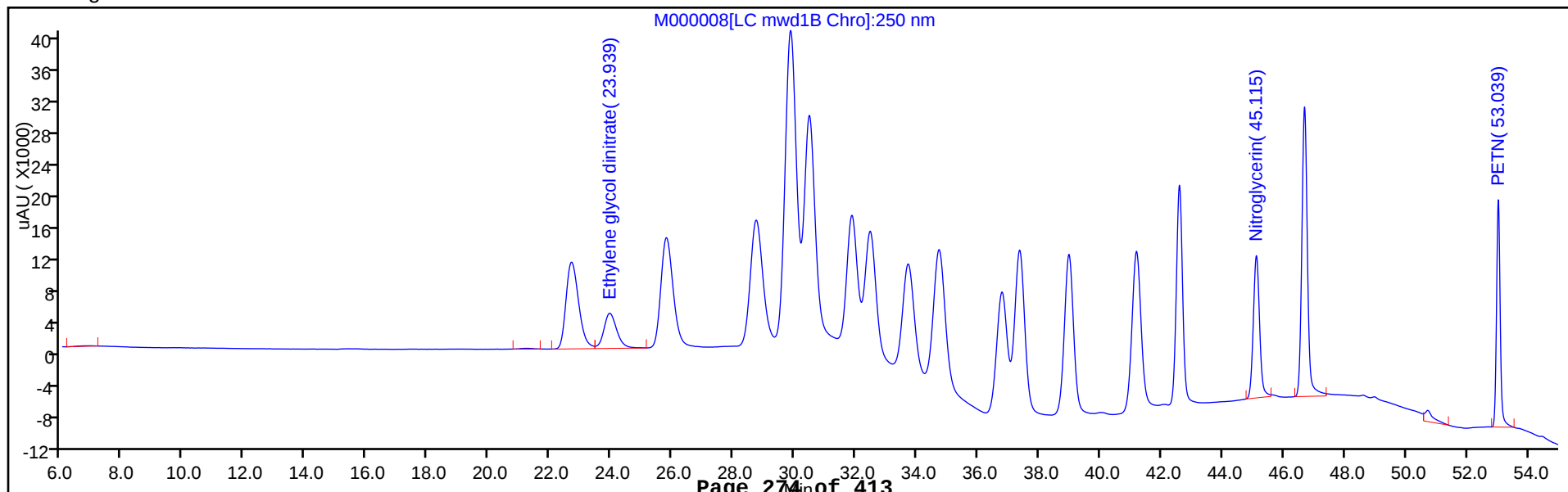
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000009.D
 Lims ID: STD07 Client ID:
 Inject. Date: 13-Feb-2013 23:49:07 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: 320-0002792-008
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 17
 Lims Batch ID: 10422 Lims Sample ID: 8
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:19 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:47:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
-----	----	-----------	-----------	----------	---------------------	-------

5 Nitrobenzene						
1	22.683	22.719	-0.036	22709	469.8	
3 Ethylene glycol dinitrate						
2	23.960	23.972	-0.012	10702	489.2	
24 1,3-Dinitrobenzene						
1	25.813	25.819	-0.006	50955	480.4	
27 1,3,5-Trinitrobenzene						
1	28.773	28.749	0.024	40353	491.3	
16 o-Nitrotoluene						
1	29.913	29.882	0.031	30348	478.1	
15 p-Nitrotoluene						
1	29.913	29.882	0.031	30348	478.1	
8 m-Nitrotoluene						
1	30.523	30.496	0.027	20117	474.7	
9 3,5-Dinitroaniline						
1	31.940	31.889	0.051	38549	468.2	
19 RDX						
1	32.540	32.489	0.051	22554	459.9	
23 2,4-Dinitrotoluene						
1	33.780	33.726	0.054	43297	490.1	
12 2,6-Dinitrotoluene						
1	34.796	34.739	0.057	26403	492.3	
6 2-Amino-4,6-dinitrotoluene						
1	36.886	36.802	0.084	37876	509.1	
26 4-Amino-2,6-dinitrotoluene						
1	37.456	37.376	0.080	35468	504.4	
\$ 30 3,4-Dinitrotoluene						
1	39.073	38.999	0.074	16183	303.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.263	41.196	0.067	42755	486.3	
11 HMX						
1	42.690	42.609	0.081	32894	503.7	
7 Nitroglycerin						
2	45.223	45.139	0.084	47163	515.5	
20 Tetryl						
1	46.816	46.719	0.097	57496	483.4	
21 PETN						
2	53.166	53.082	0.084	75949	517.5	

Report Date: 14-Feb-2013 07:52:19

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000009.D

Injection Date: 13-Feb-2013 23:49:07

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 8

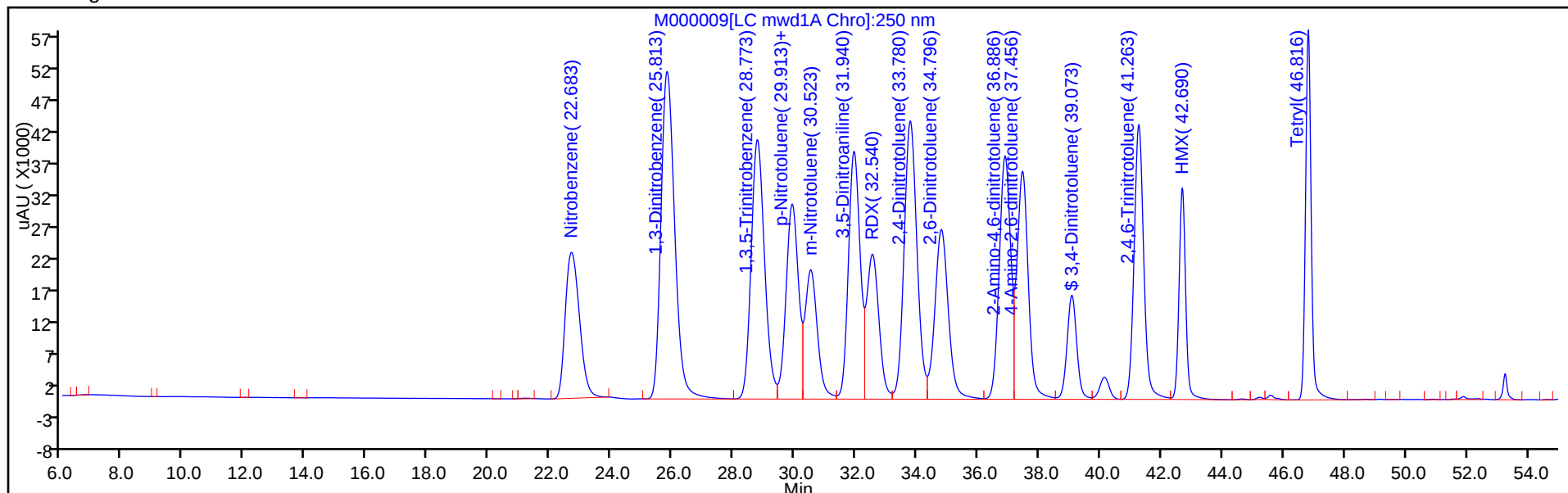
Operator ID: RN

Injection Vol: 500.0 ul

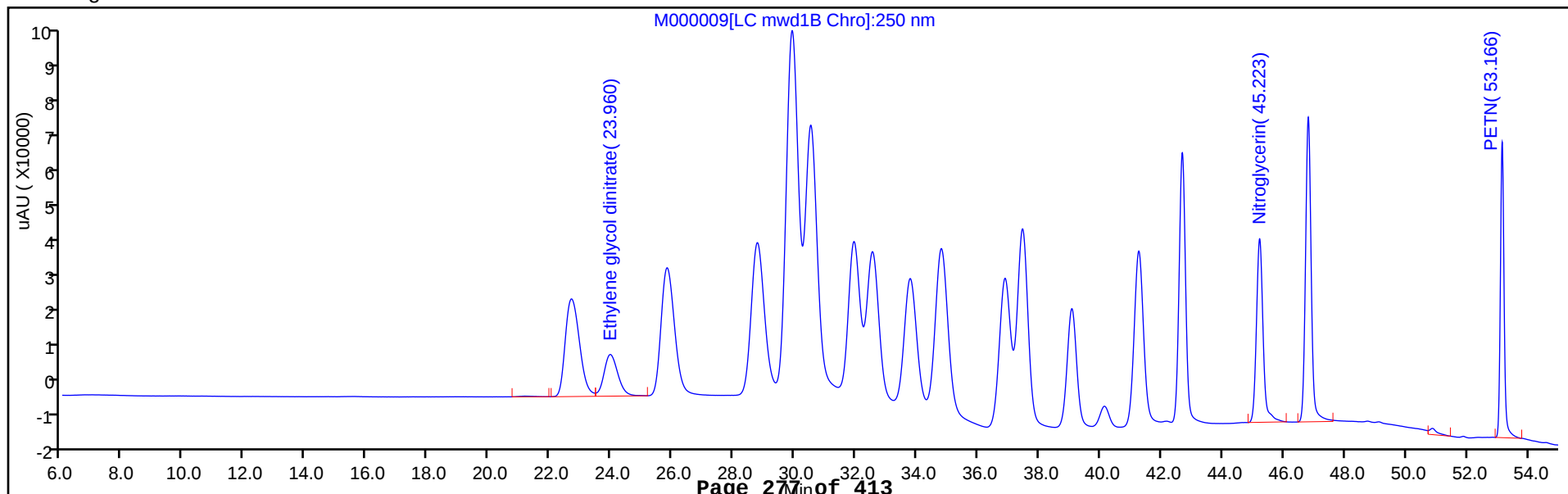
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Lims ID: STD08 Client ID:
 Inject. Date: 14-Feb-2013 00:54:32 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: 320-0002792-009
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 18
 Lims Batch ID: 10422 Lims Sample ID: 9
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 07:52:20 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:50:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
-----	----	-----------	-----------	----------	---------------------	-------

5 Nitrobenzene						
1	22.568	22.719	-0.151	37954	785.1	
3 Ethylene glycol dinitrate						
2	23.865	23.972	-0.107	18459	843.8	
24 1,3-Dinitrobenzene						
1	25.688	25.819	-0.131	87481	824.8	
27 1,3,5-Trinitrobenzene						
1	28.668	28.749	-0.081	72832	886.7	
16 o-Nitrotoluene						
1	29.735	29.882	-0.147	53073	836.2	
15 p-Nitrotoluene						
1	29.735	29.882	-0.147	53073	836.2	
8 m-Nitrotoluene						
1	30.328	30.496	-0.168	35115	828.6	
9 3,5-Dinitroaniline						
1	31.755	31.889	-0.134	67286	817.3	
19 RDX						
1	32.298	32.489	-0.191	39765	810.9	
23 2,4-Dinitrotoluene						
1	33.595	33.726	-0.131	77286	874.8	
12 2,6-Dinitrotoluene						
1	34.605	34.739	-0.134	47331	882.6	
6 2-Amino-4,6-dinitrotoluene						
1	36.671	36.802	-0.131	65117	875.2	
26 4-Amino-2,6-dinitrotoluene						
1	37.255	37.376	-0.121	62561	889.7	
\$ 30 3,4-Dinitrotoluene						
1	38.891	38.999	-0.108	24117	451.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.145	41.196	-0.051	79866	908.4	
11 HMX						
1	42.541	42.609	-0.068	60901	932.5	
7 Nitroglycerin						
2	45.088	45.139	-0.051	91734	1002.6	
20 Tetryl						
1	46.668	46.719	-0.051	111495	937.4	
21 PETN						
2	53.048	53.082	-0.034	149638	1019.6	

Report Date: 14-Feb-2013 07:52:20

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D

Injection Date: 14-Feb-2013 00:54:32

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 9

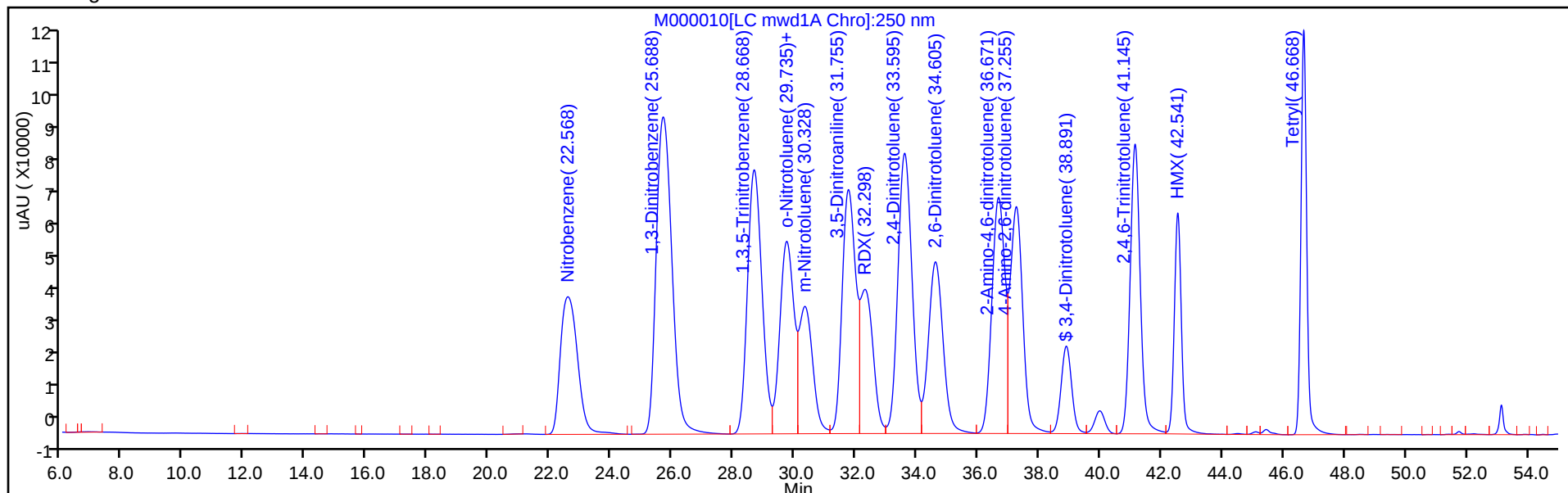
Operator ID: RN

Injection Vol: 500.0 ul

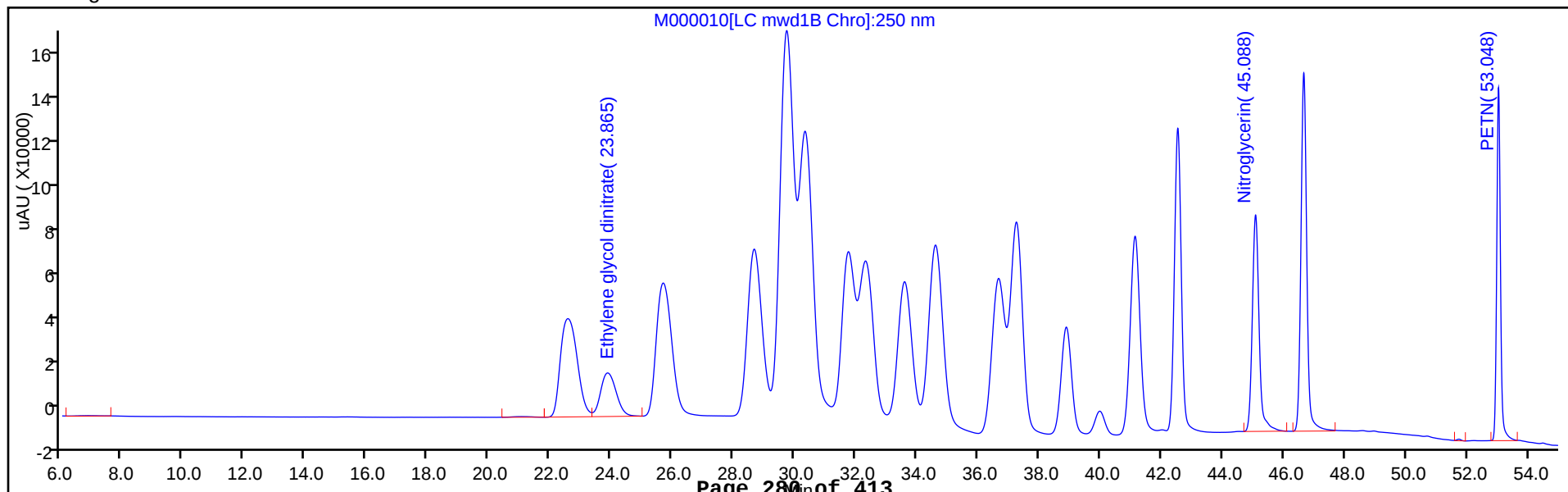
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: ICV 320-14686/11 Calibration Date: 04/19/2013 17:18
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000012.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	127.8		510	500	1.9	20.0
RDX	Ave	90.99	86.18		474	500	-5.3	20.0
Ethylene glycol dinitrate	Ave	110.5	110.3		499	500	-0.2	20.0
Picric acid	Ave	132.3	118.8		898	1000	-10.2	20.0
1,3,5-Trinitrobenzene	Ave	163.5	160.0		489	500	-2.2	20.0
1,3-Dinitrobenzene	Ave	162.2	156.0		481	500	-3.8	20.0
3,5-Dinitroaniline	Ave	103.6	106.1		512	500	2.4	20.0
Tetryl	Ave	94.63	101.1		534	500	6.9	20.0
Nitrobenzene	Ave	71.37	71.57		501	500	0.3	20.0
Nitroglycerin	Ave	70.31	72.89		518	500	3.7	20.0
2,4,6-Trinitrotoluene	Ave	95.40	97.48		511	500	2.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	74.63		476	500	-4.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	82.50		491	500	-1.8	20.0
2,6-Dinitrotoluene	Ave	59.83	59.43		497	500	-0.7	20.0
2,4-Dinitrotoluene	Ave	98.79	96.58		489	500	-2.2	20.0
2-Nitrotoluene	Ave	42.45	41.54		489	500	-2.1	20.0
4-Nitrotoluene	Ave	53.10	50.53		476	500	-4.8	20.0
3-Nitrotoluene	Ave	52.01	50.02		481	500	-3.8	20.0
PETN	Ave	39.35	39.63		504	500	0.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: ICV 320-14686/11 Calibration Date: 04/19/2013 17:18
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.18	4.93	5.43
RDX	7.41	7.15	7.65
Ethylene glycol dinitrate	8.08	7.81	8.31
Picric acid	8.42	8.22	8.72
1,3,5-Trinitrobenzene	9.66	9.39	9.89
1,3-Dinitrobenzene	12.24	11.96	12.46
3,5-Dinitroaniline	12.98	12.69	13.19
Tetryl	13.27	12.97	13.47
Nitrobenzene	13.93	13.63	14.13
Nitroglycerin	14.47	14.17	14.67
2,4,6-Trinitrotoluene	15.34	15.04	15.54
4-Amino-2,6-dinitrotoluene	15.90	15.59	16.09
2-Amino-4,6-dinitrotoluene	16.87	16.55	17.05
2,6-Dinitrotoluene	18.38	18.06	18.56
2,4-Dinitrotoluene	19.02	18.70	19.20
2-Nitrotoluene	22.24	21.90	22.40
4-Nitrotoluene	23.87	23.52	24.02
3-Nitrotoluene	25.68	25.31	25.81
PETN	27.61	27.24	27.74

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000012.D
 Lims ID: ICV Client ID:
 Inject. Date: 19-Apr-2013 17:18:19 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: 320-0003998-011
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 20
 Lims Batch ID: 14686 Lims Sample ID: 11
 Sublist:

Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 23-Apr-2013 12:51:40 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK035

First Level Reviewer: shafern

Date: 22-Apr-2013 09:40:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX

1 5.178 5.177 0.001 63923 509.5

19 RDX

1 7.411 7.397 0.014 43089 473.5

3 Ethylene glycol dinitrate

2 8.078 8.061 0.017 55155 499.1

10 2,4,6-Trinitrophenol

2 8.424 8.471 -0.047 118777 898.1

1 8.424 8.471 -0.047 81268 882.1

27 1,3,5-Trinitrobenzene

1 9.661 9.644 0.017 79976 489.0

24 1,3-Dinitrobenzene

1 12.241 12.211 0.030 78004 480.8

9 3,5-Dinitroaniline

1 12.978 12.941 0.037 53040 511.8

20 Tetryl

1 13.265 13.221 0.044 50558 534.3

5 Nitrobenzene

1 13.928 13.884 0.044 35787 501.4

7 Nitroglycerin

2 14.468 14.418 0.050 36447 518.4

25 2,4,6-Trinitrotoluene

1 15.338 15.291 0.047 48742 510.9

26 4-Amino-2,6-dinitrotoluene

1 15.895 15.838 0.057 37317 476.2

6 2-Amino-4,6-dinitrotoluene

1 16.865 16.801 0.064 41248 490.9

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	18.375	18.308	0.067	29716	496.6	
23 2,4-Dinitrotoluene						
1	19.018	18.948	0.070	48292	488.8	
16 o-Nitrotoluene						
1	22.241	22.151	0.090	20772	489.4	
15 p-Nitrotoluene						
1	23.868	23.768	0.100	25267	475.8	
8 m-Nitrotoluene						
1	25.678	25.564	0.114	25008	480.8	
21 PETN						
2	27.608	27.491	0.117	19815	503.6	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000012.D

Injection Date: 19-Apr-2013 17:18:19

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 11

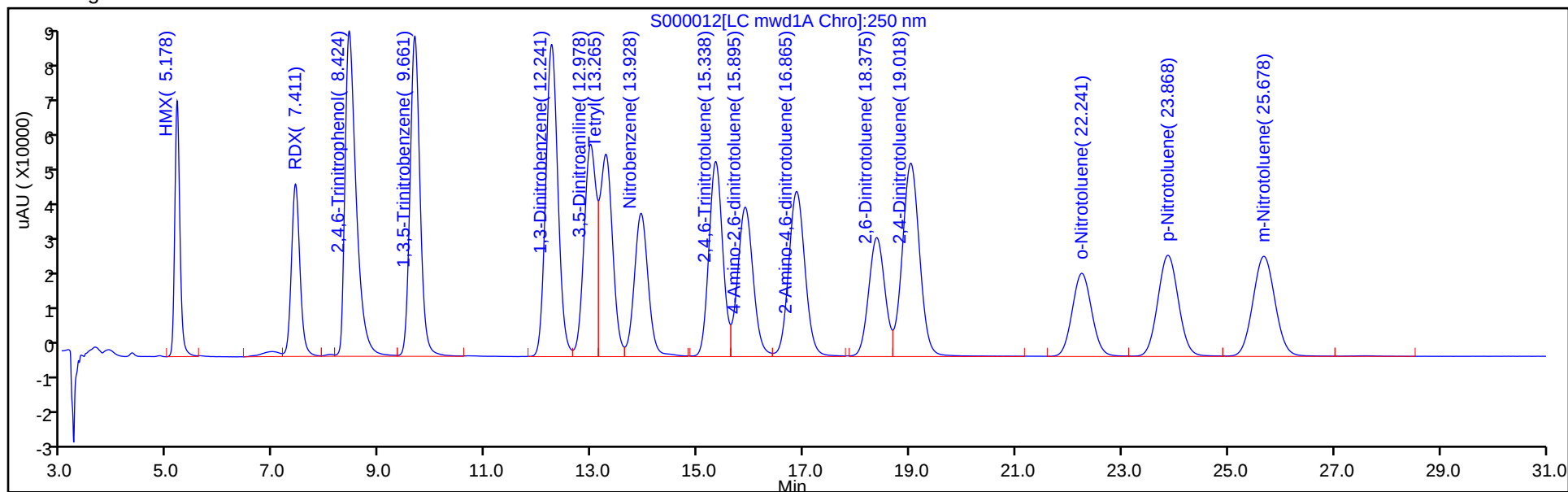
Operator ID: RN

Injection Vol: 500.0 ul

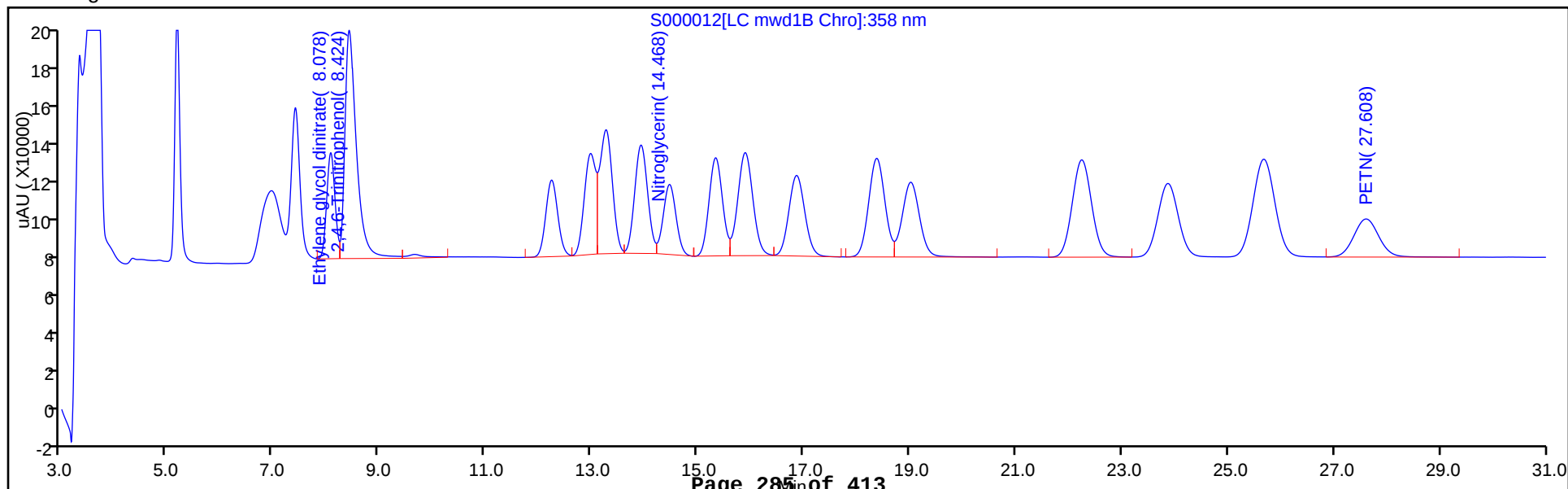
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: LODV 320-14686/12 Calibration Date: 04/19/2013 18:02
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	179.6		7.16	5.00	43.2	
RDX	Ave	90.99	149.8		8.23	5.00	64.6	
1,3,5-Trinitrobenzene	Ave	163.5	236.8		7.24	5.00	44.8	
1,3-Dinitrobenzene	Ave	162.2	235.2		7.25	5.00	45.0	
3,5-Dinitroaniline	Ave	103.6	152.4		7.35	5.00	47.1	
Tetryl	Ave	94.63	133.0		7.03	5.00	40.5	
Nitrobenzene	Ave	71.37	102.4		7.17	5.00	43.5	
Nitroglycerin	Ave	70.31	73.80		21.0	20.0	5.0	
2,4,6-Trinitrotoluene	Ave	95.40	135.6		7.11	5.00	42.1	
4-Amino-2,6-dinitrotoluene	Ave	78.37	115.4		7.36	5.00	47.3	
2-Amino-4,6-dinitrotoluene	Ave	84.03	121.0		7.20	5.00	44.0	
2,6-Dinitrotoluene	Ave	59.83	89.60		7.49	5.00	49.7	
2,4-Dinitrotoluene	Ave	98.79	144.4		7.31	5.00	46.2	
2-Nitrotoluene	Ave	42.45	60.60		7.14	5.00	42.8	
4-Nitrotoluene	Ave	53.10	76.20		7.18	5.00	43.5	
3-Nitrotoluene	Ave	52.01	77.80		7.48	5.00	49.6	
PETN	Ave	39.35	43.10		21.9	20.0	9.5	
3,4-Dinitrotoluene	Ave	57.22	56.50		19.7	20.0	-1.3	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: LODV 320-14686/12 Calibration Date: 04/19/2013 18:02
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: S000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.18	4.93	5.43
RDX	7.41	7.15	7.65
1,3,5-Trinitrobenzene	9.67	9.39	9.89
1,3-Dinitrobenzene	12.23	11.96	12.46
3,5-Dinitroaniline	12.98	12.69	13.19
Tetryl	13.26	12.97	13.47
Nitrobenzene	13.93	13.63	14.13
Nitroglycerin	14.45	14.17	14.67
2,4,6-Trinitrotoluene	15.32	15.04	15.54
4-Amino-2,6-dinitrotoluene	15.89	15.59	16.09
2-Amino-4,6-dinitrotoluene	16.84	16.55	17.05
2,6-Dinitrotoluene	18.36	18.06	18.56
2,4-Dinitrotoluene	19.03	18.70	19.20
2-Nitrotoluene	22.24	21.90	22.40
4-Nitrotoluene	23.88	23.52	24.02
3-Nitrotoluene	25.66	25.31	25.81
PETN	27.60	27.24	27.74
Ethylene glycol dinitrate			
Picric acid			
3,4-Dinitrotoluene	16.32	16.02	16.52

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D
 Lims ID: LODV 5-20ng/mL Client ID:
 Inject. Date: 19-Apr-2013 18:02:05 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: 320-0003998-012
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 14686 Lims Sample ID: 12
 Method: \\SACChrom\ChromData\LC10\20130419-3998.b\8330_LC10.m
 Last Update: 23-Apr-2013 12:51:40 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK035

First Level Reviewer: shafern

Date:

22-Apr-2013 07:58:44

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.183	5.177	0.006	898	7.16	
19 RDX						
1	7.409	7.397	0.012	749	8.23	
27 1,3,5-Trinitrobenzene						
1	9.666	9.644	0.022	1184	7.24	
24 1,3-Dinitrobenzene						
1	12.233	12.211	0.022	1176	7.25	
9 3,5-Dinitroaniline						
1	12.976	12.941	0.035	762	7.35	
20 Tetryl						
1	13.256	13.221	0.035	665	7.03	
5 Nitrobenzene						M
1	13.926	13.884	0.042	512	7.17	M
7 Nitroglycerin						
2	14.449	14.418	0.031	1476	21.0	
25 2,4,6-Trinitrotoluene						
1	15.323	15.291	0.032	678	7.11	
26 4-Amino-2,6-dinitrotoluene						
1	15.893	15.838	0.055	577	7.36	
\$ 30 3,4-Dinitrotoluene						
1	16.316	16.271	0.045	1130	19.7	
2	16.323	16.274	0.049	2131	19.9	
6 2-Amino-4,6-dinitrotoluene						
1	16.843	16.801	0.042	605	7.20	
12 2,6-Dinitrotoluene						
1	18.363	18.308	0.055	448	7.49	
23 2,4-Dinitrotoluene						
1	19.029	18.948	0.081	722	7.31	

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						M
1	22.243	22.151	0.092	303	7.14	M
15 p-Nitrotoluene						M
1	23.876	23.768	0.108	381	7.18	M
8 m-Nitrotoluene						
1	25.663	25.564	0.099	389	7.48	
21 PETN						
2	27.603	27.491	0.112	862	21.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 23-Apr-2013 12:51:46

Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

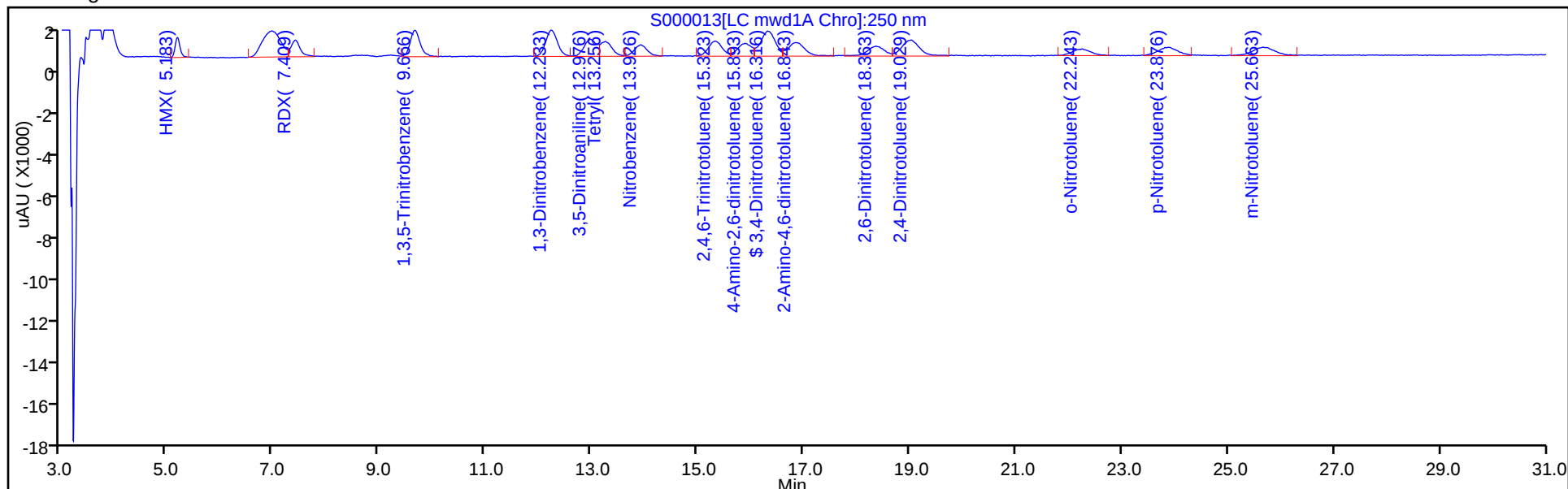
Operator ID: RN

Injection Vol: 500.0 ul

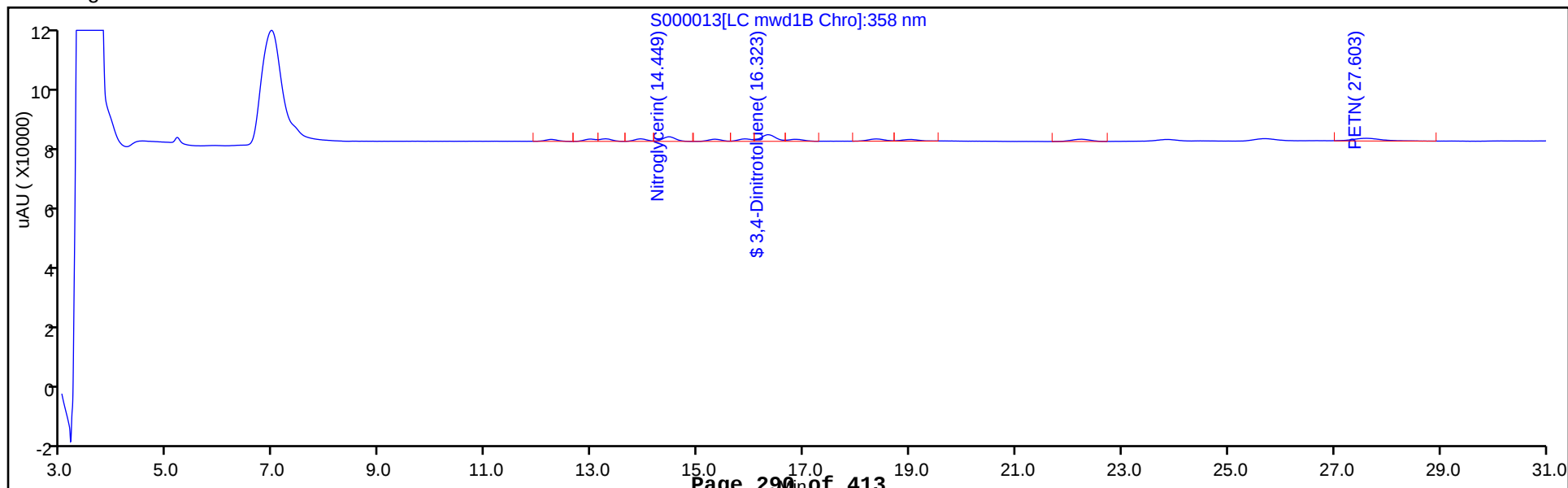
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

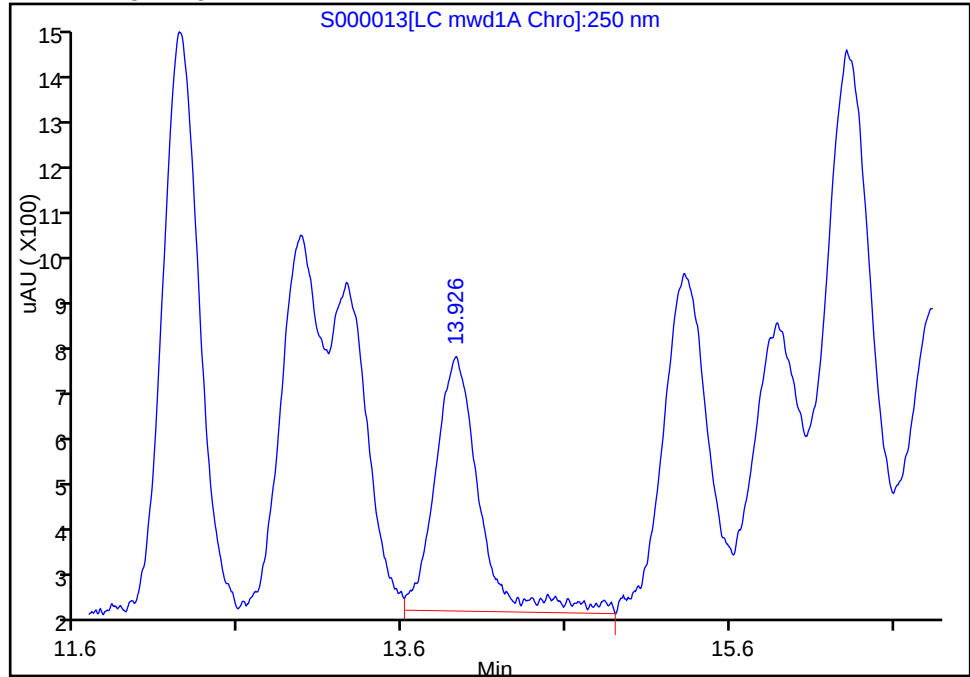
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

5 Nitrobenzene, Signal: 1, Type: quant, RT: 13.88, Det: LC mwd1A

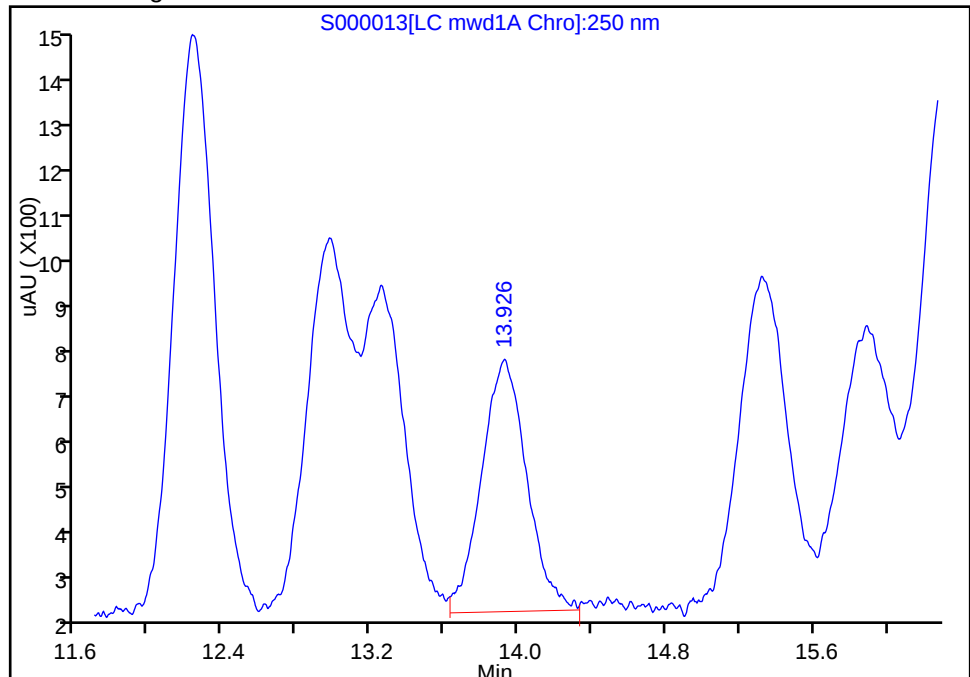
RT: 13.93
Response: 516
Amount: 7.246537

Processing Integration Results



RT: 13.93
Response: 512
Amount: 7.173568

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 07:58:44

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

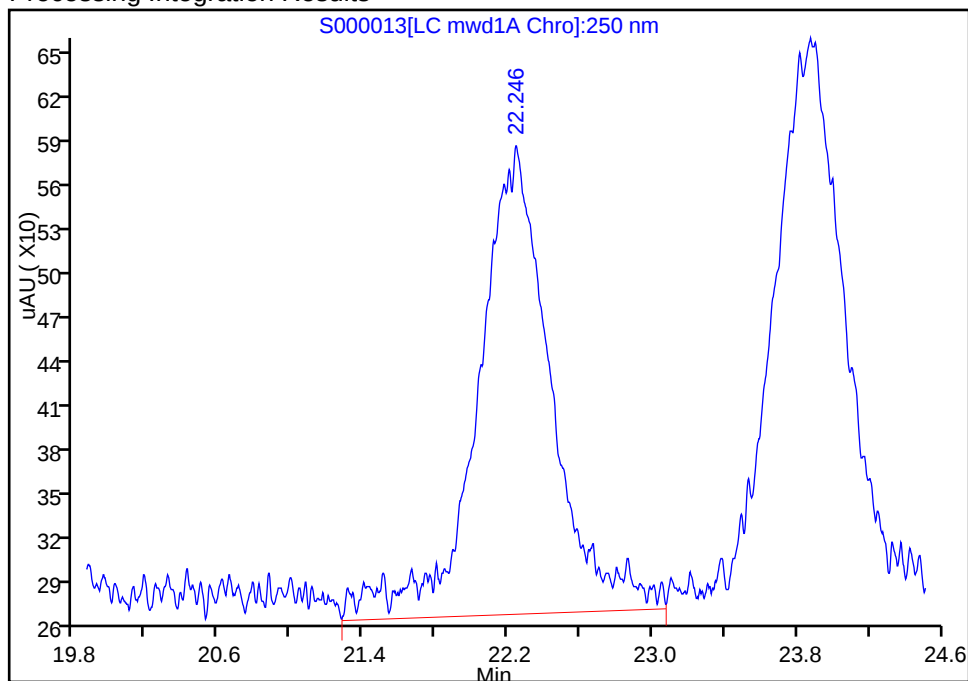
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.15, Det: LC mwd1A

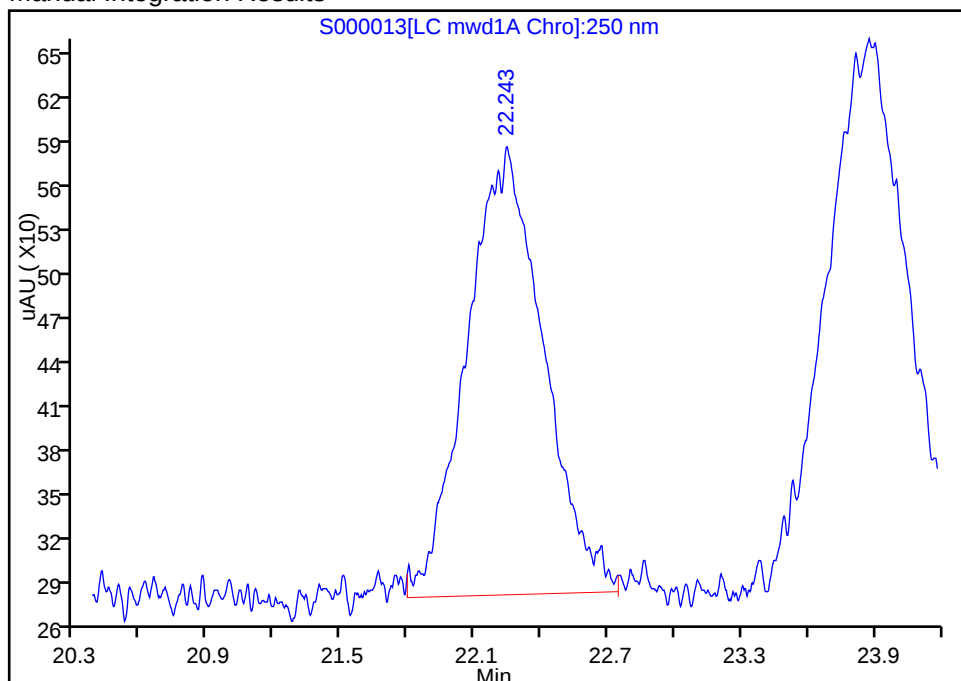
RT: 22.25
Response: 317
Amount: 7.459250

Processing Integration Results



RT: 22.24
Response: 303
Amount: 7.138377

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 07:58:44

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000013.D

Injection Date: 19-Apr-2013 18:02:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 14686

Lims Sample ID: 12

Operator ID: RN

Injection Vol: 500.0 ul

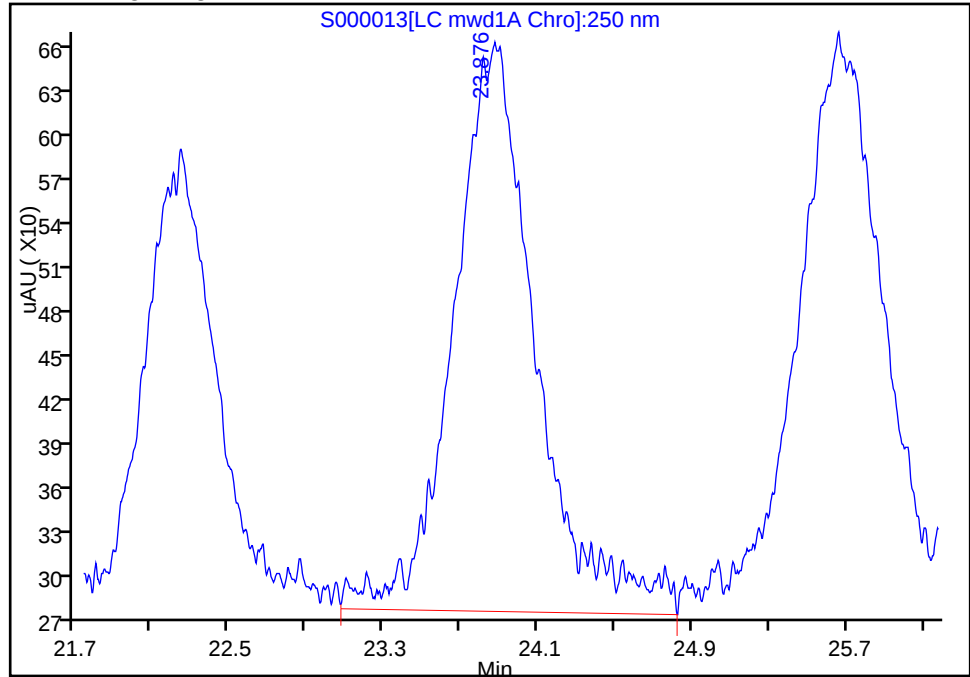
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

15 p-Nitrotoluene, Signal: 1, Type: quant, RT: 23.77, Det: LC mwd1A

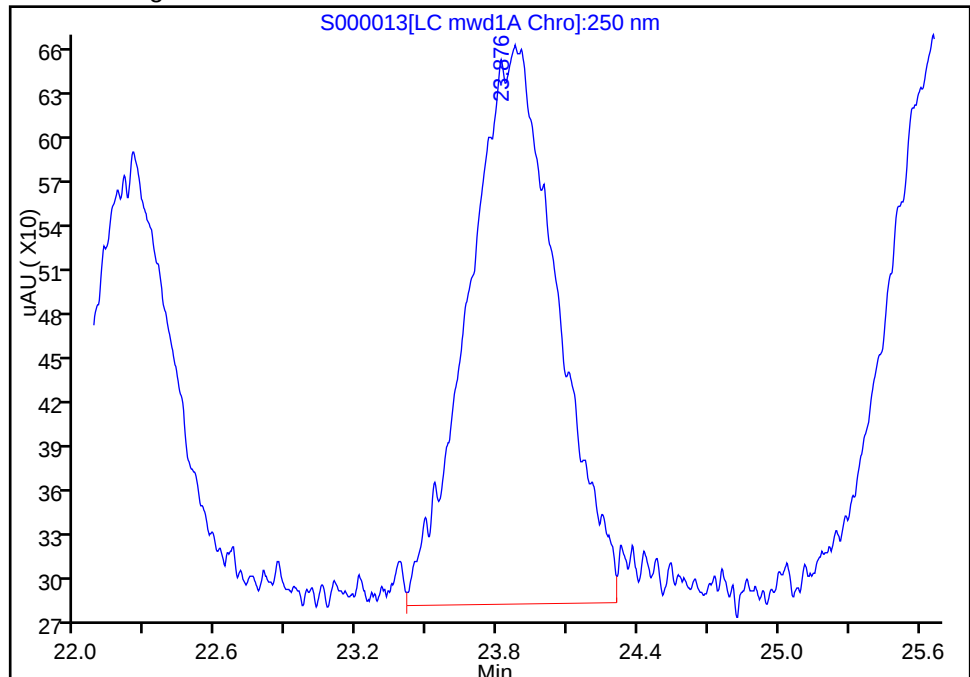
RT: 23.88
Response: 388
Amount: 7.302901

Processing Integration Results



RT: 23.88
Response: 381
Amount: 7.175192

Manual Integration Results



Reviewer: shafern, 22-Apr-2013 07:58:44

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17382/1 Calibration Date: 05/30/2013 15:08
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000008.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	128.0		5.10	5.00	2.0	30.0
RDX	Ave	90.99	104.8		5.76	5.00	15.2	30.0
1,3,5-Trinitrobenzene	Ave	163.5	166.4		5.09	5.00	1.7	30.0
1,3-Dinitrobenzene	Ave	162.2	167.0		5.15	5.00	2.9	30.0
3,5-Dinitroaniline	Ave	103.6	109.2		5.27	5.00	5.4	30.0
Tetryl	Ave	94.63	93.20		4.92	5.00	-1.5	30.0
Nitrobenzene	Ave	71.37	77.60		5.44	5.00	8.7	30.0
Nitroglycerin	Ave	70.31	74.75		21.3	20.0	6.3	30.0
2,4,6-Trinitrotoluene	Ave	95.40	96.80		5.07	5.00	1.5	30.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	83.20		5.31	5.00	6.2	30.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	87.40		5.20	5.00	4.0	30.0
2,6-Dinitrotoluene	Ave	59.83	63.00		5.26	5.00	5.3	30.0
2,4-Dinitrotoluene	Ave	98.79	105.6		5.34	5.00	6.9	30.0
2-Nitrotoluene	Ave	42.45	50.20		5.91	5.00	18.3	30.0
4-Nitrotoluene	Ave	53.10	61.00		5.74	5.00	14.9	30.0
3-Nitrotoluene	Ave	52.01	59.00		5.67	5.00	13.4	30.0
PETN	Ave	39.35	39.85		20.3	20.0	1.3	30.0
3,4-Dinitrotoluene	Ave	57.22	53.50		18.7	20.0	-6.5	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17382/1 Calibration Date: 05/30/2013 15:08
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000008.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.48	7.23	7.73
1,3,5-Trinitrobenzene	9.73	9.48	9.98
1,3-Dinitrobenzene	12.39	12.14	12.64
3,5-Dinitroaniline	13.13	12.88	13.38
Tetryl	13.43	13.18	13.68
Nitrobenzene	14.09	13.84	14.34
Nitroglycerin	14.63	14.38	14.88
2,4,6-Trinitrotoluene	15.49	15.24	15.74
4-Amino-2,6-dinitrotoluene	16.13	15.88	16.38
2-Amino-4,6-dinitrotoluene	17.11	16.86	17.36
2,6-Dinitrotoluene	18.61	18.36	18.86
2,4-Dinitrotoluene	19.31	19.06	19.56
2-Nitrotoluene	22.58	22.33	22.83
4-Nitrotoluene	24.25	24.00	24.50
3-Nitrotoluene	26.09	25.84	26.34
PETN	27.98	27.73	28.23
3,4-Dinitrotoluene	16.59	16.34	16.84

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000008.D
 Lims ID: CCVL Client ID:
 Inject. Date: 30-May-2013 15:08:46 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004797-001
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 17382 Lims Sample ID: 1
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 31-May-2013 07:15:17 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:07:46

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.203	5.203	0.0	640	5.10	
19 RDX						
1	7.483	7.483	0.0	524	5.76	
27 1,3,5-Trinitrobenzene						
1	9.730	9.730	0.0	832	5.09	
24 1,3-Dinitrobenzene						
1	12.393	12.393	0.0	835	5.15	
9 3,5-Dinitroaniline						
1	13.133	13.133	0.0	546	5.27	
20 Tetryl						
1	13.430	13.430	0.0	466	4.92	
5 Nitrobenzene						
1	14.090	14.090	0.0	388	5.44	
7 Nitroglycerin						
2	14.633	14.633	0.0	1495	21.3	
25 2,4,6-Trinitrotoluene						
1	15.493	15.493	0.0	484	5.07	
26 4-Amino-2,6-dinitrotoluene						
1	16.130	16.130	0.0	416	5.31	
\$ 30 3,4-Dinitrotoluene						
1	16.593	16.593	0.0	1070	18.7	
2	16.593	16.593	0.0	2031	19.0	
6 2-Amino-4,6-dinitrotoluene						
1	17.110	17.110	0.0	437	5.20	
12 2,6-Dinitrotoluene						
1	18.610	18.610	0.0	315	5.26	

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000008.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.307	19.307	0.0	528	5.34	
16 o-Nitrotoluene						
1	22.583	22.583	0.0	251	5.91	M
15 p-Nitrotoluene						
1	24.250	24.250	0.0	305	5.74	
8 m-Nitrotoluene						
1	26.090	26.090	0.0	295	5.67	
21 PETN						
2	27.980	27.980	0.0	797	20.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 31-May-2013 07:15:17

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000008.D

Injection Date: 30-May-2013 15:08:46

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 1

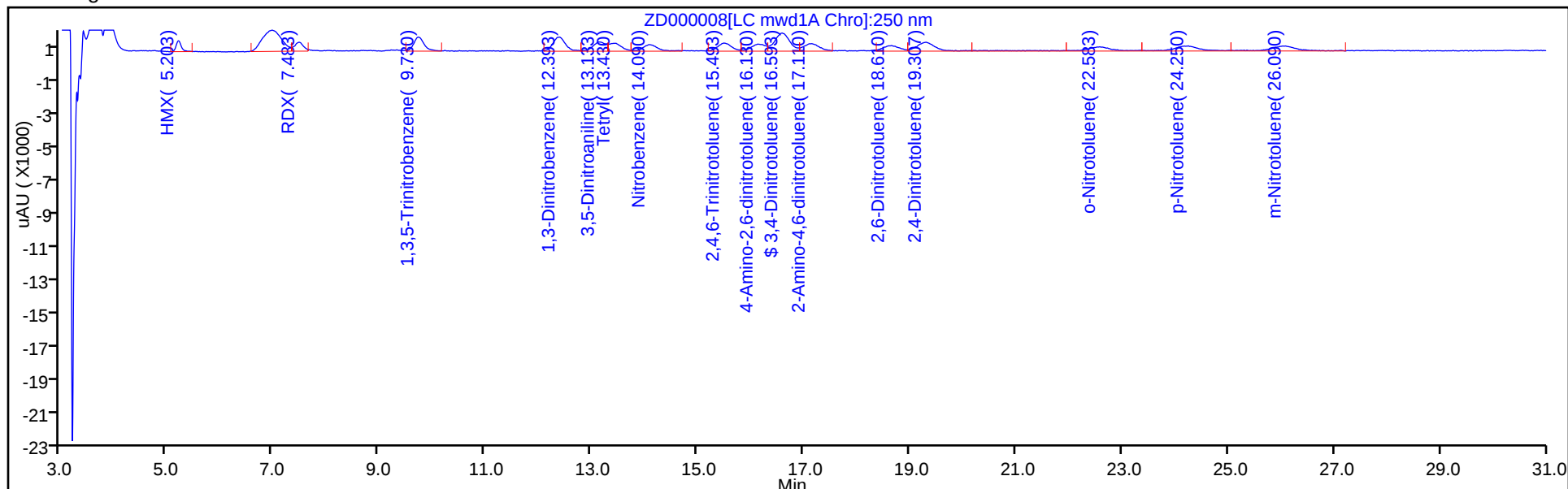
Operator ID: RN

Injection Vol: 500.0 ul

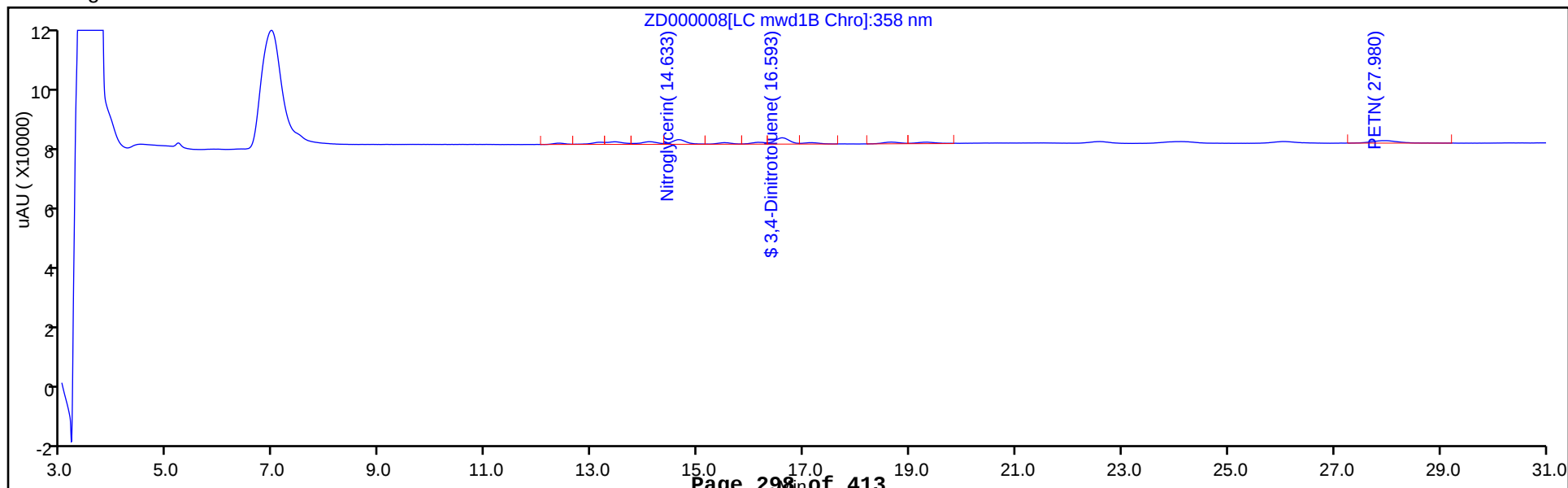
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000008.D

Injection Date: 30-May-2013 15:08:46

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 1

Operator ID: RN

Injection Vol: 500.0 ul

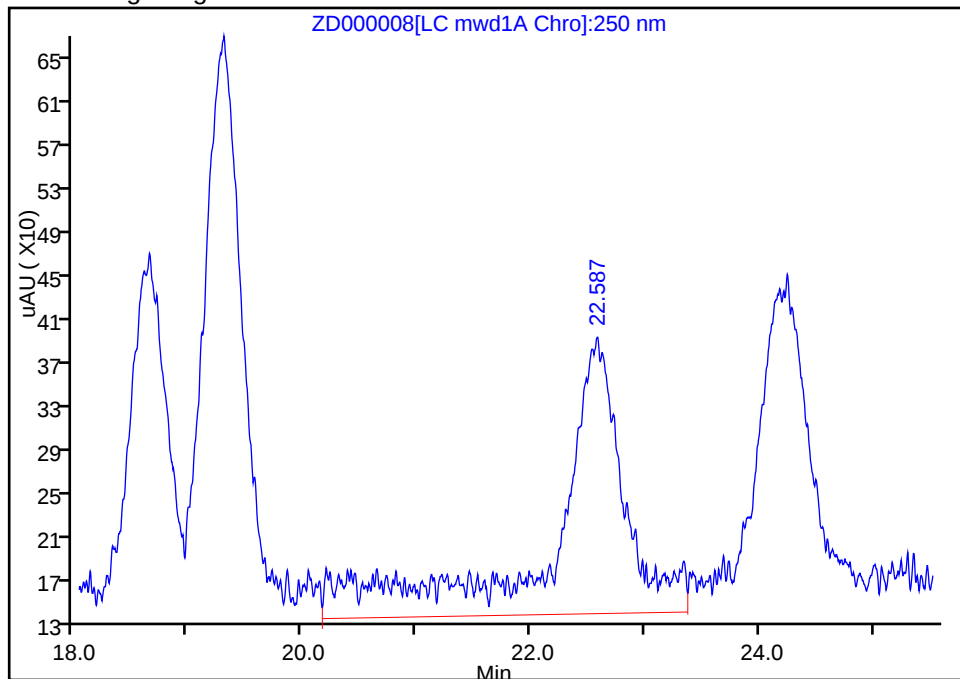
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

16 o-Nitrotoluene, Signal: 1, Type: quant, RT: 22.58, Det: LC mwd1A

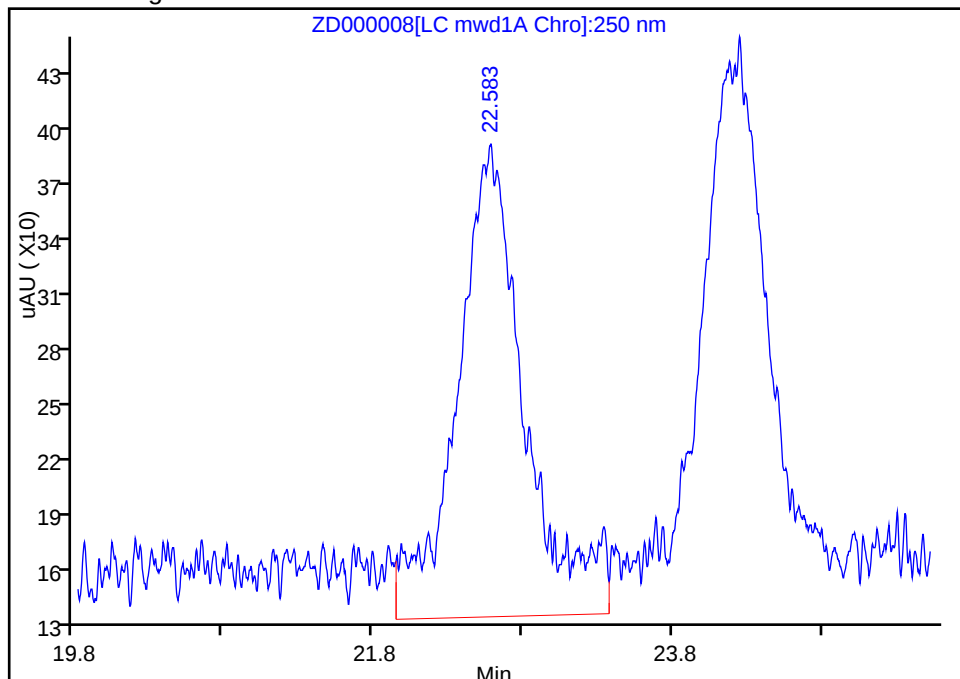
RT: 22.59
Response: 251
Amount: 5.913309

Processing Integration Results



RT: 22.58
Response: 251
Amount: 5.913309

Manual Integration Results



Reviewer: noonanr, 31-May-2013 07:07:46

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/2 Calibration Date: 05/30/2013 15:52
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000009.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	125.7		200	200	0.2	20.0
RDX	Ave	90.99	85.28		187	200	-6.3	20.0
Ethylene glycol dinitrate	Ave	110.5	115.5		209	200	4.5	20.0
Picric acid	Ave	132.3	130.6		494	500	-1.3	20.0
1,3,5-Trinitrobenzene	Ave	163.5	162.6		199	200	-0.6	20.0
1,3-Dinitrobenzene	Ave	162.2	161.6		199	200	-0.4	20.0
3,5-Dinitroaniline	Ave	103.6	102.8		198	200	-0.8	20.0
Tetryl	Ave	94.63	93.82		198	200	-0.9	20.0
Nitrobenzene	Ave	71.37	70.31		197	200	-1.5	20.0
Nitroglycerin	Ave	70.31	65.70		187	200	-6.6	20.0
2,4,6-Trinitrotoluene	Ave	95.40	93.95		197	200	-1.5	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	76.90		196	200	-1.9	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	82.46		196	200	-1.9	20.0
2,6-Dinitrotoluene	Ave	59.83	58.77		196	200	-1.8	20.0
2,4-Dinitrotoluene	Ave	98.79	97.34		197	200	-1.5	20.0
2-Nitrotoluene	Ave	42.45	40.97		193	200	-3.5	20.0
4-Nitrotoluene	Ave	53.10	51.85		195	200	-2.4	20.0
3-Nitrotoluene	Ave	52.01	51.00		196	200	-1.9	20.0
PETN	Ave	39.35	36.19		184	200	-8.0	20.0
3,4-Dinitrotoluene	Ave	57.22	53.94		189	200	-5.7	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/2 Calibration Date: 05/30/2013 15:52
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000009.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.44	7.19	7.69
Ethylene glycol dinitrate	8.09	7.84	8.34
Picric acid	8.49	8.24	8.74
1,3,5-Trinitrobenzene	9.68	9.43	9.93
1,3-Dinitrobenzene	12.29	12.04	12.54
3,5-Dinitroaniline	13.05	12.80	13.30
Tetryl	13.33	13.08	13.58
Nitrobenzene	13.99	13.74	14.24
Nitroglycerin	14.53	14.28	14.78
2,4,6-Trinitrotoluene	15.40	15.15	15.65
4-Amino-2,6-dinitrotoluene	16.01	15.76	16.26
2-Amino-4,6-dinitrotoluene	16.98	16.73	17.23
2,6-Dinitrotoluene	18.49	18.24	18.74
2,4-Dinitrotoluene	19.13	18.88	19.38
2-Nitrotoluene	22.39	22.14	22.64
4-Nitrotoluene	24.02	23.77	24.27
3-Nitrotoluene	25.85	25.60	26.10
PETN	27.76	27.51	28.01
3,4-Dinitrotoluene	16.45	16.20	16.70

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000009.D
 Lims ID: CCV 06 Client ID:
 Inject. Date: 30-May-2013 15:52:30 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004797-002
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 2
 Lims Batch ID: 17382 Lims Sample ID: 2
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.188	5.188	0.0	25144	200.4	
19 RDX						
1	7.438	7.438	0.0	17056	187.4	
3 Ethylene glycol dinitrate						
2	8.094	8.094	0.0	23102	209.0	
10 2,4,6-Trinitrophenol						
2	8.488	8.488	0.0	65275	493.6	
1	8.488	8.488	0.0	44745	485.7	
27 1,3,5-Trinitrobenzene						
1	9.681	9.681	0.0	32511	198.8	
24 1,3-Dinitrobenzene						
1	12.294	12.294	0.0	32312	199.2	
9 3,5-Dinitroaniline						
1	13.051	13.051	0.0	20555	198.3	
20 Tetryl						
1	13.328	13.328	0.0	18763	198.3	
5 Nitrobenzene						
1	13.994	13.994	0.0	14061	197.0	
7 Nitroglycerin						
2	14.534	14.534	0.0	13140	186.9	
25 2,4,6-Trinitrotoluene						
1	15.398	15.398	0.0	18790	197.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.011	16.011	0.0	15379	196.2	
\$ 30 3,4-Dinitrotoluene						
1	16.451	16.451	0.0	10788	188.5	
2	16.451	16.451	0.0	20574	192.0	
6 2-Amino-4,6-dinitrotoluene						
1	16.984	16.984	0.0	16492	186.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12	2,6-Dinitrotoluene					
1	18.491	18.491	0.0	11754	196.4	
23	2,4-Dinitrotoluene					
1	19.131	19.131	0.0	19468	197.1	
16	o-Nitrotoluene					
1	22.388	22.388	0.0	8194	193.0	
15	p-Nitrotoluene					
1	24.018	24.018	0.0	10369	195.3	
8	m-Nitrotoluene					
1	25.851	25.851	0.0	10200	196.1	
21	PETN					
2	27.758	27.758	0.0	7237	183.9	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000009.D

Injection Date: 30-May-2013 15:52:30

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 2

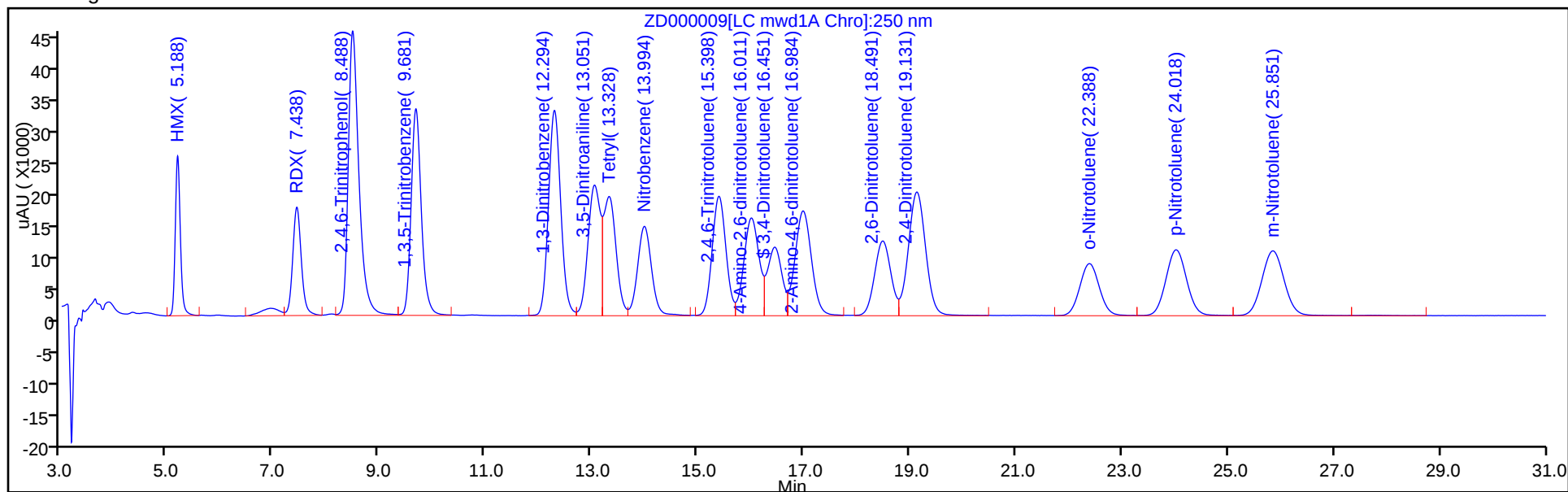
Operator ID: RN

Injection Vol: 500.0 ul

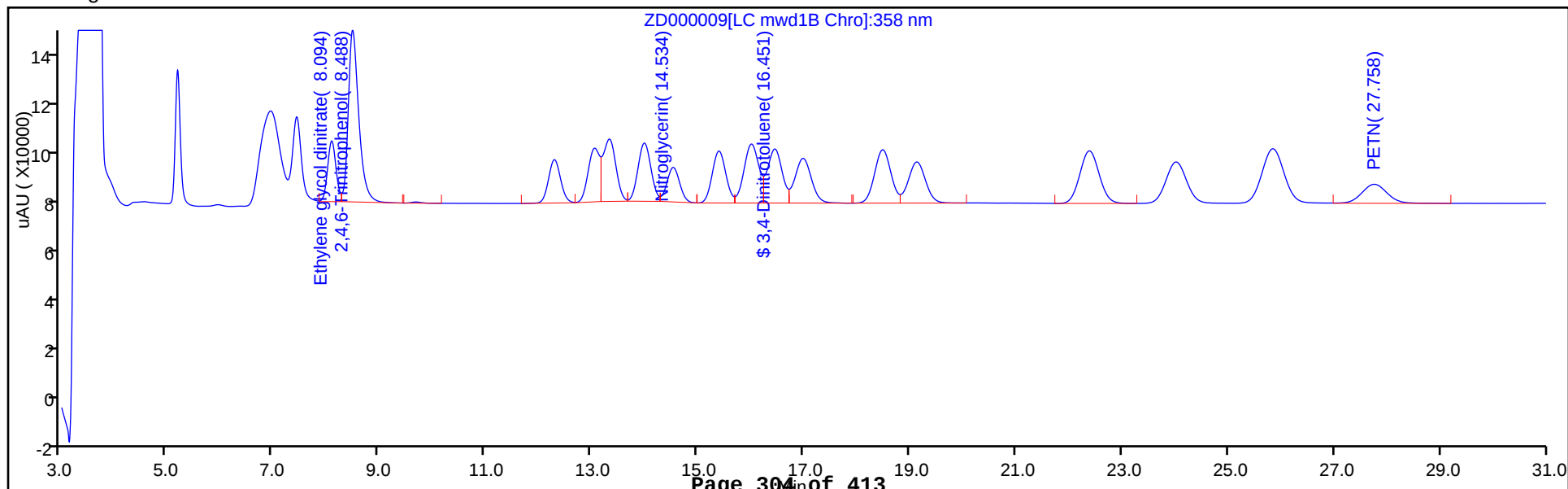
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/12 Calibration Date: 05/30/2013 23:09
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000019.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	127.8		51.0	50.0	1.9	20.0
RDX	Ave	90.99	89.70		49.3	50.0	-1.4	20.0
Ethylene glycol dinitrate	Ave	110.5	115.0		52.0	50.0	4.1	20.0
Picric acid	Ave	132.3	138.2		105	100	4.5	20.0
1,3,5-Trinitrobenzene	Ave	163.5	166.4		50.9	50.0	1.7	20.0
1,3-Dinitrobenzene	Ave	162.2	166.6		51.3	50.0	2.7	20.0
3,5-Dinitroaniline	Ave	103.6	106.3		51.3	50.0	2.6	20.0
Tetryl	Ave	94.63	94.46		49.9	50.0	-0.2	20.0
Nitrobenzene	Ave	71.37	69.34		48.6	50.0	-2.8	20.0
Nitroglycerin	Ave	70.31	64.12		45.6	50.0	-8.8	20.0
2,4,6-Trinitrotoluene	Ave	95.40	95.18		49.9	50.0	-0.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	78.54		50.1	50.0	0.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	83.98		50.0	50.0	-0.0	20.0
2,6-Dinitrotoluene	Ave	59.83	59.92		50.1	50.0	0.1	20.0
2,4-Dinitrotoluene	Ave	98.79	98.64		49.9	50.0	-0.2	20.0
2-Nitrotoluene	Ave	42.45	39.52		46.6	50.0	-6.9	20.0
4-Nitrotoluene	Ave	53.10	50.72		47.8	50.0	-4.5	20.0
3-Nitrotoluene	Ave	52.01	49.64		47.7	50.0	-4.6	20.0
PETN	Ave	39.35	36.44		46.3	50.0	-7.4	20.0
3,4-Dinitrotoluene	Ave	57.22	59.02		51.6	50.0	3.2	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/12 Calibration Date: 05/30/2013 23:09
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000019.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.47	7.22	7.72
Ethylene glycol dinitrate	8.13	7.88	8.38
Picric acid	8.58	8.33	8.83
1,3,5-Trinitrobenzene	9.72	9.47	9.97
1,3-Dinitrobenzene	12.35	12.10	12.60
3,5-Dinitroaniline	13.11	12.86	13.36
Tetryl	13.38	13.13	13.63
Nitrobenzene	14.06	13.81	14.31
Nitroglycerin	14.59	14.34	14.84
2,4,6-Trinitrotoluene	15.45	15.20	15.70
4-Amino-2,6-dinitrotoluene	16.09	15.84	16.34
2-Amino-4,6-dinitrotoluene	17.07	16.82	17.32
2,6-Dinitrotoluene	18.56	18.31	18.81
2,4-Dinitrotoluene	19.20	18.95	19.45
2-Nitrotoluene	22.46	22.21	22.71
4-Nitrotoluene	24.08	23.83	24.33
3-Nitrotoluene	25.92	25.67	26.17
PETN	27.81	27.56	28.06
3,4-Dinitrotoluene	16.53	16.28	16.78

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000019.D
 Lims ID: CCV 04 Client ID:
 Inject. Date: 30-May-2013 23:09:37 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004797-012
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 17382 Lims Sample ID: 12
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.195	5.195	0.0	6392	51.0	
19 RDX						
1	7.469	7.469	0.0	4485	49.3	
3 Ethylene glycol dinitrate						
2	8.125	8.125	0.0	5751	52.0	
10 2,4,6-Trinitrophenol						
2	8.579	8.579	0.0	13824	104.5	
1	8.579	8.579	0.0	9743	105.8	
27 1,3,5-Trinitrobenzene						
1	9.715	9.715	0.0	8319	50.9	
24 1,3-Dinitrobenzene						
1	12.345	12.345	0.0	8328	51.3	
9 3,5-Dinitroaniline						
1	13.112	13.112	0.0	5315	51.3	
20 Tetryl						
1	13.375	13.375	0.0	4723	49.9	
5 Nitrobenzene						
1	14.055	14.055	0.0	3467	48.6	
7 Nitroglycerin						
2	14.592	14.592	0.0	3206	45.6	
25 2,4,6-Trinitrotoluene						
1	15.452	15.452	0.0	4759	49.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.092	16.092	0.0	3927	50.1	
\$ 30 3,4-Dinitrotoluene						
1	16.525	16.525	0.0	2951	51.6	
2	16.522	16.522	0.0	5358	50.0	
6 2-Amino-4,6-dinitrotoluene						
1	17.069	17.069	0.0	4199		

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	18.559	18.559	0.0	2996	50.1	
23 2,4-Dinitrotoluene						
1	19.202	19.202	0.0	4932	49.9	
16 o-Nitrotoluene						
1	22.455	22.455	0.0	1976	46.6	
15 p-Nitrotoluene						
1	24.082	24.082	0.0	2536	47.8	
8 m-Nitrotoluene						
1	25.919	25.919	0.0	2482	47.7	
21 PETN						
2	27.812	27.812	0.0	1822	46.3	

Report Date: 31-May-2013 07:15:25

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000019.D

Injection Date: 30-May-2013 23:09:37

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 12

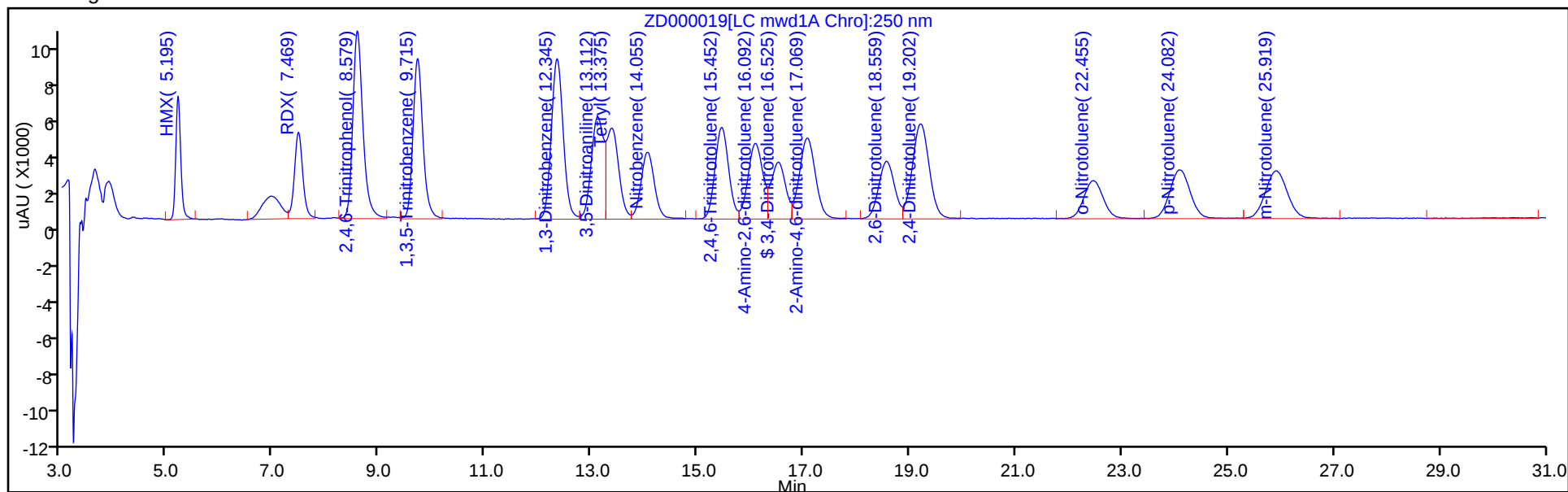
Operator ID: RN

Injection Vol: 500.0 ul

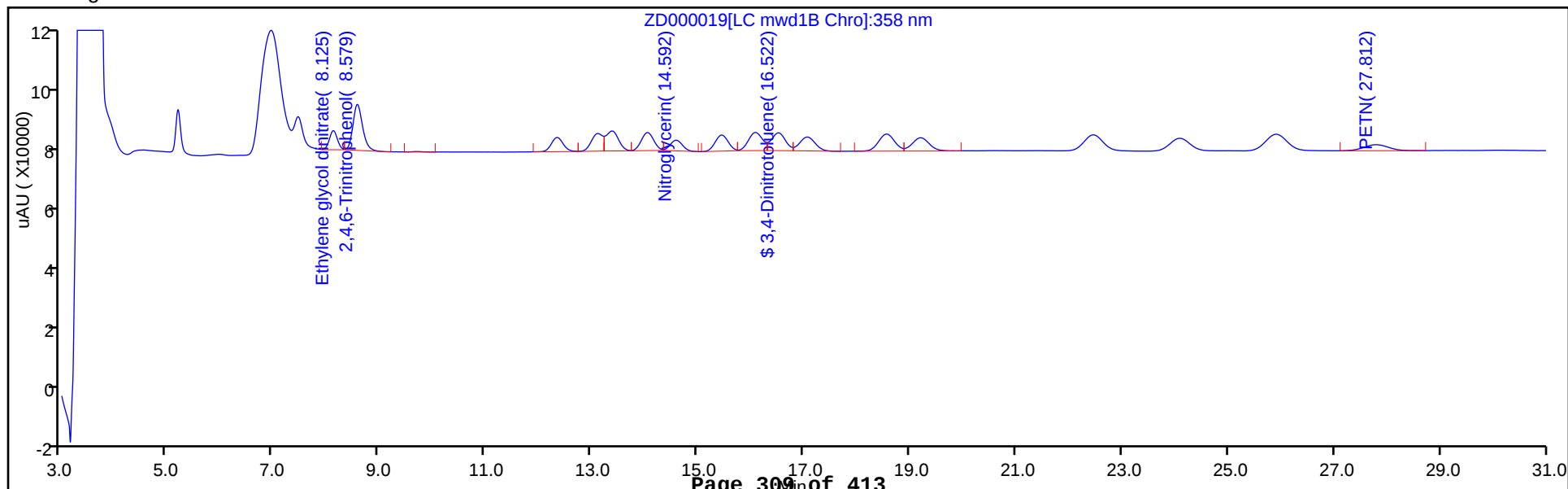
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/23 Calibration Date: 05/31/2013 07:10
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000030.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	127.8		50.9	50.0	1.9	20.0
RDX	Ave	90.99	89.80		49.3	50.0	-1.3	20.0
Ethylene glycol dinitrate	Ave	110.5	114.6		51.9	50.0	3.7	20.0
Picric acid	Ave	132.3	138.2		104	100	4.5	20.0
1,3,5-Trinitrobenzene	Ave	163.5	166.7		51.0	50.0	2.0	20.0
1,3-Dinitrobenzene	Ave	162.2	167.2		51.5	50.0	3.1	20.0
3,5-Dinitroaniline	Ave	103.6	106.5		51.4	50.0	2.8	20.0
Tetryl	Ave	94.63	94.80		50.1	50.0	0.2	20.0
Nitrobenzene	Ave	71.37	68.40		47.9	50.0	-4.2	20.0
Nitroglycerin	Ave	70.31	65.14		46.3	50.0	-7.4	20.0
2,4,6-Trinitrotoluene	Ave	95.40	95.50		50.1	50.0	0.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	78.68		50.2	50.0	0.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	84.38		50.2	50.0	0.4	20.0
2,6-Dinitrotoluene	Ave	59.83	60.14		50.3	50.0	0.5	20.0
2,4-Dinitrotoluene	Ave	98.79	99.32		50.3	50.0	0.5	20.0
2-Nitrotoluene	Ave	42.45	39.26		46.2	50.0	-7.5	20.0
4-Nitrotoluene	Ave	53.10	50.28		47.3	50.0	-5.3	20.0
3-Nitrotoluene	Ave	52.01	48.80		46.9	50.0	-6.2	20.0
PETN	Ave	39.35	35.94		45.7	50.0	-8.7	20.0
3,4-Dinitrotoluene	Ave	57.22	59.38		51.9	50.0	3.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/23 Calibration Date: 05/31/2013 07:10
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000030.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.45	7.20	7.70
Ethylene glycol dinitrate	8.10	7.85	8.35
Picric acid	8.55	8.30	8.80
1,3,5-Trinitrobenzene	9.69	9.44	9.94
1,3-Dinitrobenzene	12.31	12.06	12.56
3,5-Dinitroaniline	13.08	12.83	13.33
Tetryl	13.34	13.09	13.59
Nitrobenzene	14.01	13.76	14.26
Nitroglycerin	14.55	14.30	14.80
2,4,6-Trinitrotoluene	15.41	15.16	15.66
4-Amino-2,6-dinitrotoluene	16.04	15.79	16.29
2-Amino-4,6-dinitrotoluene	17.02	16.77	17.27
2,6-Dinitrotoluene	18.51	18.26	18.76
2,4-Dinitrotoluene	19.16	18.91	19.41
2-Nitrotoluene	22.41	22.16	22.66
4-Nitrotoluene	24.05	23.80	24.30
3-Nitrotoluene	25.86	25.61	26.11
PETN	27.75	27.50	28.00
3,4-Dinitrotoluene	16.47	16.22	16.72

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000030.D
 Lims ID: CCV 04 Client ID:
 Inject. Date: 31-May-2013 07:10:32 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004797-023
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 17382 Lims Sample ID: 23
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 31-May-2013 09:07:55 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 09:07:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.191	5.191	0.0	6390	50.9	
19 RDX						
1	7.448	7.448	0.0	4490	49.3	
3 Ethylene glycol dinitrate						
2	8.104	8.104	0.0	5731	51.9	
10 2,4,6-Trinitrophenol						
2	8.551	8.551	0.0	13816	104.5	
1	8.551	8.551	0.0	9735	105.7	
27 1,3,5-Trinitrobenzene						
1	9.691	9.691	0.0	8337	51.0	
24 1,3-Dinitrobenzene						
1	12.311	12.311	0.0	8362	51.5	
9 3,5-Dinitroaniline						
1	13.075	13.075	0.0	5327	51.4	
20 Tetryl						
1	13.338	13.338	0.0	4740	50.1	
5 Nitrobenzene						
1	14.008	14.008	0.0	3420	47.9	
7 Nitroglycerin						
2	14.548	14.548	0.0	3257	46.3	
25 2,4,6-Trinitrotoluene						
1	15.411	15.411	0.0	4775	50.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.035	16.035	0.0	3934	50.2	
\$ 30 3,4-Dinitrotoluene						
1	16.468	16.468	0.0	2969	51.9	
2	16.471	16.471	0.0	5360	50.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.015	17.015	0.0	4219	50.2	
12 2,6-Dinitrotoluene						
1	18.505	18.505	0.0	3007	50.3	
23 2,4-Dinitrotoluene						
1	19.155	19.155	0.0	4966	50.3	
16 o-Nitrotoluene						
1	22.405	22.405	0.0	1963	46.2	
15 p-Nitrotoluene						
1	24.045	24.045	0.0	2514	47.3	
8 m-Nitrotoluene						
1	25.861	25.861	0.0	2440	46.9	
21 PETN						
2	27.751	27.751	0.0	1797	45.7	

Report Date: 31-May-2013 09:07:56

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000030.D

Injection Date: 31-May-2013 07:10:32

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 23

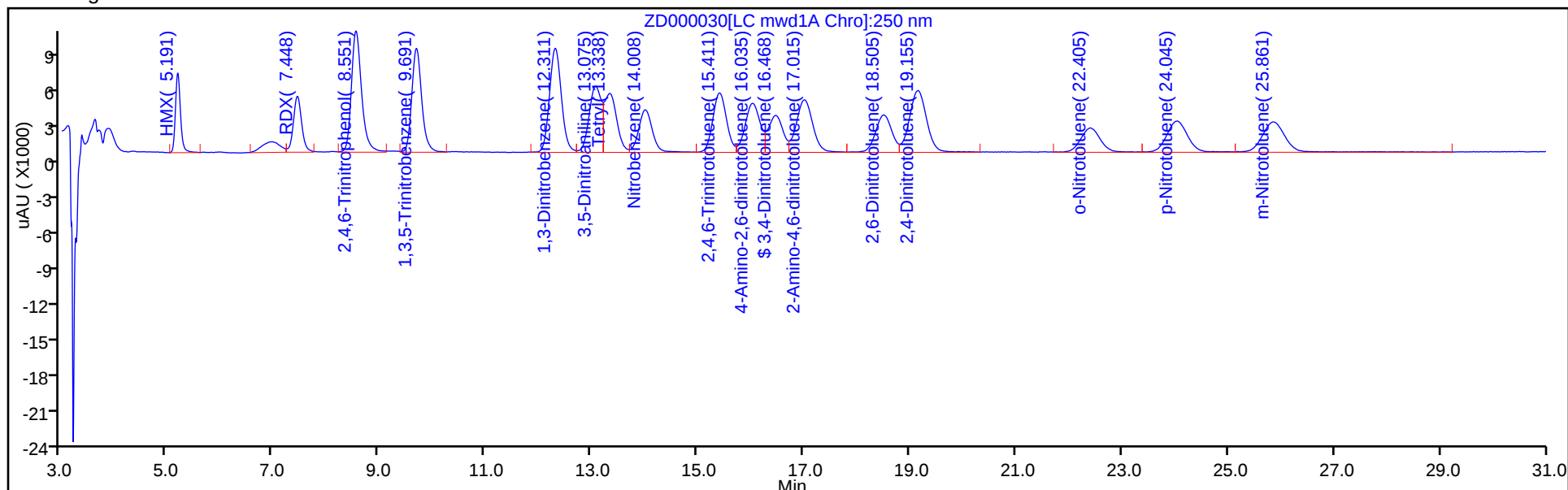
Operator ID: RN

Injection Vol: 500.0 ul

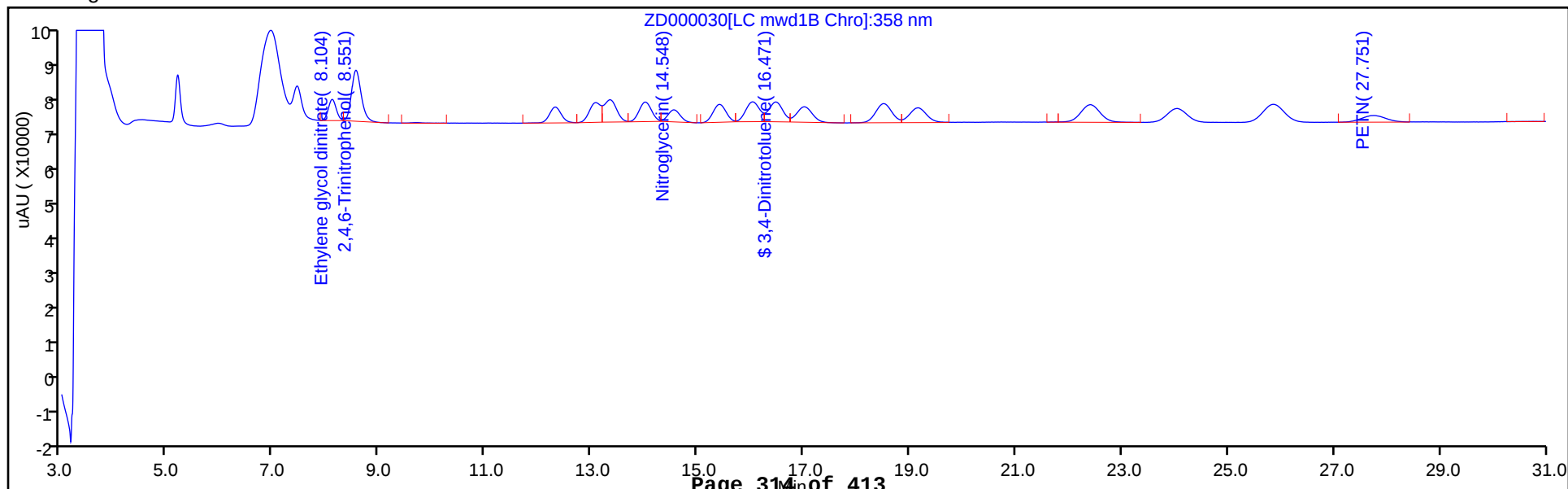
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/34 Calibration Date: 05/31/2013 15:11
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000041.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	126.5		101	100	0.8	20.0
RDX	Ave	90.99	87.45		96.1	100	-3.9	20.0
Ethylene glycol dinitrate	Ave	110.5	113.7		103	100	2.9	20.0
Picric acid	Ave	132.3	105.8		200	250	-20.0	20.0
1,3,5-Trinitrobenzene	Ave	163.5	164.2		100	100	0.4	20.0
1,3-Dinitrobenzene	Ave	162.2	162.7		100	100	0.3	20.0
3,5-Dinitroaniline	Ave	103.6	103.9		100	100	0.2	20.0
Tetryl	Ave	94.63	93.34		98.6	100	-1.4	20.0
Nitrobenzene	Ave	71.37	71.54		100	100	0.2	20.0
Nitroglycerin	Ave	70.31	66.15		94.1	100	-5.9	20.0
2,4,6-Trinitrotoluene	Ave	95.40	93.72		98.2	100	-1.8	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	77.15		98.4	100	-1.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	82.42		98.1	100	-1.9	20.0
2,6-Dinitrotoluene	Ave	59.83	58.64		98.0	100	-2.0	20.0
2,4-Dinitrotoluene	Ave	98.79	96.98		98.2	100	-1.8	20.0
2-Nitrotoluene	Ave	42.45	41.46		97.7	100	-2.3	20.0
4-Nitrotoluene	Ave	53.10	51.85		97.6	100	-2.4	20.0
3-Nitrotoluene	Ave	52.01	51.50		99.0	100	-1.0	20.0
PETN	Ave	39.35	37.24		94.6	100	-5.4	20.0
3,4-Dinitrotoluene	Ave	57.22	54.04		94.4	100	-5.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/34 Calibration Date: 05/31/2013 15:11
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000041.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.44	7.19	7.69
Ethylene glycol dinitrate	8.09	7.84	8.34
Picric acid	8.53	8.28	8.78
1,3,5-Trinitrobenzene	9.68	9.43	9.93
1,3-Dinitrobenzene	12.30	12.05	12.55
3,5-Dinitroaniline	13.06	12.81	13.31
Tetryl	13.34	13.09	13.59
Nitrobenzene	14.01	13.76	14.26
Nitroglycerin	14.55	14.30	14.80
2,4,6-Trinitrotoluene	15.42	15.17	15.67
4-Amino-2,6-dinitrotoluene	16.04	15.79	16.29
2-Amino-4,6-dinitrotoluene	17.03	16.78	17.28
2,6-Dinitrotoluene	18.54	18.29	18.79
2,4-Dinitrotoluene	19.19	18.94	19.44
2-Nitrotoluene	22.47	22.22	22.72
4-Nitrotoluene	24.10	23.85	24.35
3-Nitrotoluene	25.94	25.69	26.19
PETN	27.82	27.57	28.07
3,4-Dinitrotoluene	16.48	16.23	16.73

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000041.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 31-May-2013 15:11:40 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004797-034
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 17382 Lims Sample ID: 34
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 03-Jun-2013 08:10:45 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:10:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.191	5.191	0.0	12651	100.8	
19 RDX						
1	7.438	7.438	0.0	8745	96.1	
3 Ethylene glycol dinitrate						
2	8.091	8.091	0.0	11369	102.9	
10 2,4,6-Trinitrophenol						
2	8.528	8.528	0.0	26445	200.0	
1	8.528	8.528	0.0	18629	202.2	
27 1,3,5-Trinitrobenzene						
1	9.681	9.681	0.0	16424	100.4	
24 1,3-Dinitrobenzene						
1	12.298	12.298	0.0	16270	100.3	
9 3,5-Dinitroaniline						
1	13.061	13.061	0.0	10389	100.2	
20 Tetryl						
1	13.335	13.335	0.0	9334	98.6	
5 Nitrobenzene						
1	14.005	14.005	0.0	7154	100.2	
7 Nitroglycerin						
2	14.548	14.548	0.0	6615	94.1	
25 2,4,6-Trinitrotoluene						
1	15.415	15.415	0.0	9372	98.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.041	16.041	0.0	7715	98.4	
\$ 30 3,4-Dinitrotoluene						
1	16.481	16.481	0.0	5404	94.4	
2	16.485	16.485	0.0	10313	96.2	

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000041.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.025	17.025	0.0	8242	98.1	
12 2,6-Dinitrotoluene						
1	18.541	18.541	0.0	5864	98.0	
23 2,4-Dinitrotoluene						
1	19.188	19.188	0.0	9698	98.2	
16 o-Nitrotoluene						
1	22.468	22.468	0.0	4146	97.7	
15 p-Nitrotoluene						
1	24.101	24.101	0.0	5185	97.6	
8 m-Nitrotoluene						
1	25.941	25.941	0.0	5150	99.0	
21 PETN						
2	27.821	27.821	0.0	3724	94.6	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000041.D

Injection Date: 31-May-2013 15:11:40

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 34

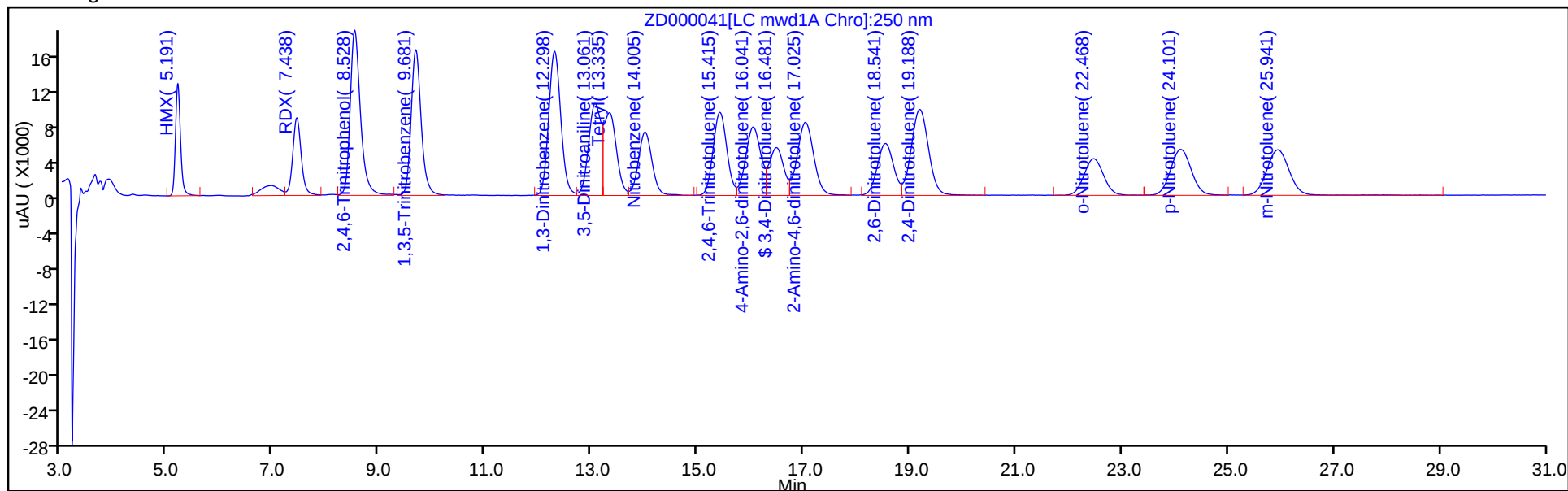
Operator ID: RN

Injection Vol: 500.0 ul

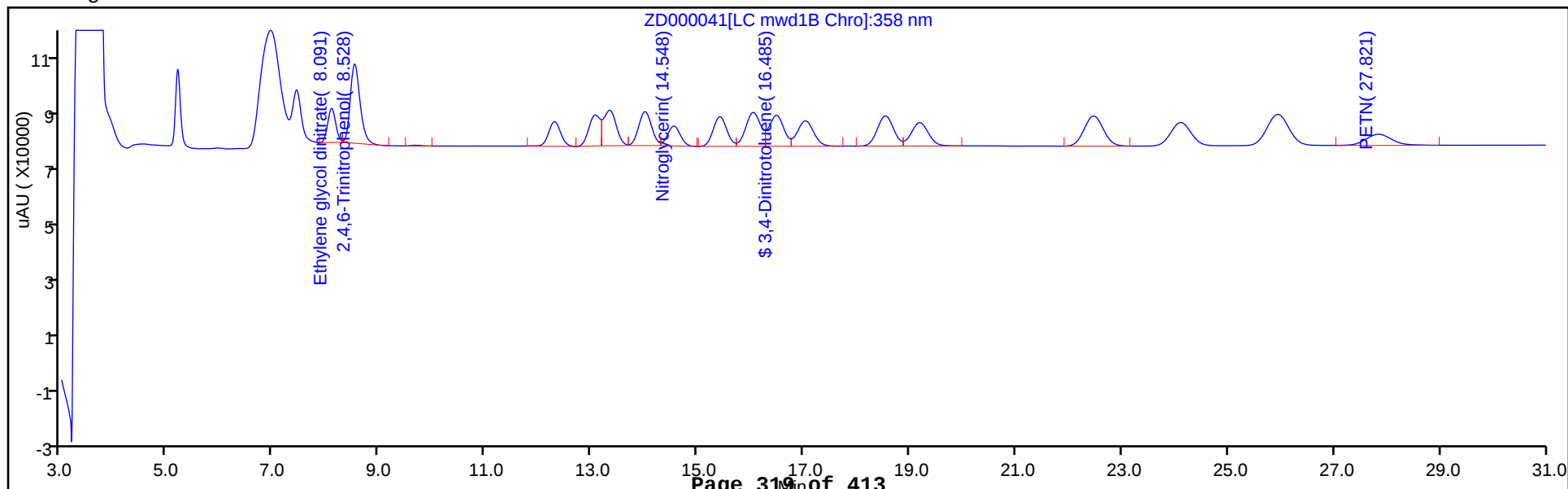
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/43 Calibration Date: 05/31/2013 22:29
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000051.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	127.0		101	100	1.2	20.0
RDX	Ave	90.99	87.90		96.6	100	-3.4	20.0
Ethylene glycol dinitrate	Ave	110.5	114.1		103	100	3.2	20.0
Picric acid	Ave	132.3	107.4		203	250	-18.8	20.0
1,3,5-Trinitrobenzene	Ave	163.5	165.1		101	100	1.0	20.0
1,3-Dinitrobenzene	Ave	162.2	164.5		101	100	1.4	20.0
3,5-Dinitroaniline	Ave	103.6	105.1		101	100	1.4	20.0
Tetryl	Ave	94.63	94.45		99.8	100	-0.2	20.0
Nitrobenzene	Ave	71.37	71.36		100	100	-0.0	20.0
Nitroglycerin	Ave	70.31	67.12		95.5	100	-4.5	20.0
2,4,6-Trinitrotoluene	Ave	95.40	94.81		99.4	100	-0.6	20.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	77.96		99.5	100	-0.5	20.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	83.42		99.3	100	-0.7	20.0
2,6-Dinitrotoluene	Ave	59.83	59.22		99.0	100	-1.0	20.0
2,4-Dinitrotoluene	Ave	98.79	98.26		99.5	100	-0.5	20.0
2-Nitrotoluene	Ave	42.45	41.07		96.8	100	-3.2	20.0
4-Nitrotoluene	Ave	53.10	51.99		97.9	100	-2.1	20.0
3-Nitrotoluene	Ave	52.01	50.93		97.9	100	-2.1	20.0
PETN	Ave	39.35	36.14		91.8	100	-8.2	20.0
3,4-Dinitrotoluene	Ave	57.22	54.63		95.5	100	-4.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17382/43 Calibration Date: 05/31/2013 22:29
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000051.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.19	4.94	5.44
RDX	7.43	7.18	7.68
Ethylene glycol dinitrate	8.08	7.83	8.33
Picric acid	8.52	8.27	8.77
1,3,5-Trinitrobenzene	9.67	9.42	9.92
1,3-Dinitrobenzene	12.27	12.02	12.52
3,5-Dinitroaniline	13.03	12.78	13.28
Tetryl	13.30	13.05	13.55
Nitrobenzene	13.96	13.71	14.21
Nitroglycerin	14.50	14.25	14.75
2,4,6-Trinitrotoluene	15.36	15.11	15.61
4-Amino-2,6-dinitrotoluene	15.97	15.72	16.22
2-Amino-4,6-dinitrotoluene	16.95	16.70	17.20
2,6-Dinitrotoluene	18.43	18.18	18.68
2,4-Dinitrotoluene	19.08	18.83	19.33
2-Nitrotoluene	22.32	22.07	22.57
4-Nitrotoluene	23.94	23.69	24.19
3-Nitrotoluene	25.76	25.51	26.01
PETN	27.68	27.43	27.93
3,4-Dinitrotoluene	16.41	16.16	16.66

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000051.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 31-May-2013 22:29:13 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004797-043
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 17382 Lims Sample ID: 43
 Sublist: chrom-8330_LC10*sub1
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 03-Jun-2013 08:18:08 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:18:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.187	5.187	0.0	12698	101.2	
19 RDX						
1	7.430	7.430	0.0	8790	96.6	
3 Ethylene glycol dinitrate						
2	8.083	8.083	0.0	11406	103.2	
10 2,4,6-Trinitrophenol						
2	8.517	8.517	0.0	26859	203.1	
1	8.517	8.517	0.0	18875	204.9	
27 1,3,5-Trinitrobenzene						
1	9.670	9.670	0.0	16513	101.0	
24 1,3-Dinitrobenzene						
1	12.270	12.270	0.0	16454	101.4	
9 3,5-Dinitroaniline						
1	13.027	13.027	0.0	10508	101.4	
20 Tetryl						
1	13.297	13.297	0.0	9445	99.8	
5 Nitrobenzene						
1	13.960	13.960	0.0	7136	100.0	
7 Nitroglycerin						
2	14.500	14.500	0.0	6712	95.5	
25 2,4,6-Trinitrotoluene						
1	15.360	15.360	0.0	9481	99.4	
26 4-Amino-2,6-dinitrotoluene						
1	15.973	15.973	0.0	7796	99.5	
\$ 30 3,4-Dinitrotoluene						
1	16.407	16.407	0.0	5463	95.5	
2	16.407	16.407	0.0	10351	96.6	

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000051.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	16.947	16.947	0.0	8342	99.3	
12 2,6-Dinitrotoluene						
1	18.433	18.433	0.0	5922	99.0	
23 2,4-Dinitrotoluene						
1	19.077	19.077	0.0	9826	99.5	
16 o-Nitrotoluene						
1	22.317	22.317	0.0	4107	96.8	
15 p-Nitrotoluene						
1	23.940	23.940	0.0	5199	97.9	
8 m-Nitrotoluene						
1	25.763	25.763	0.0	5093	97.9	
21 PETN						
2	27.683	27.683	0.0	3614	91.8	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000051.D

Injection Date: 31-May-2013 22:29:13

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 43

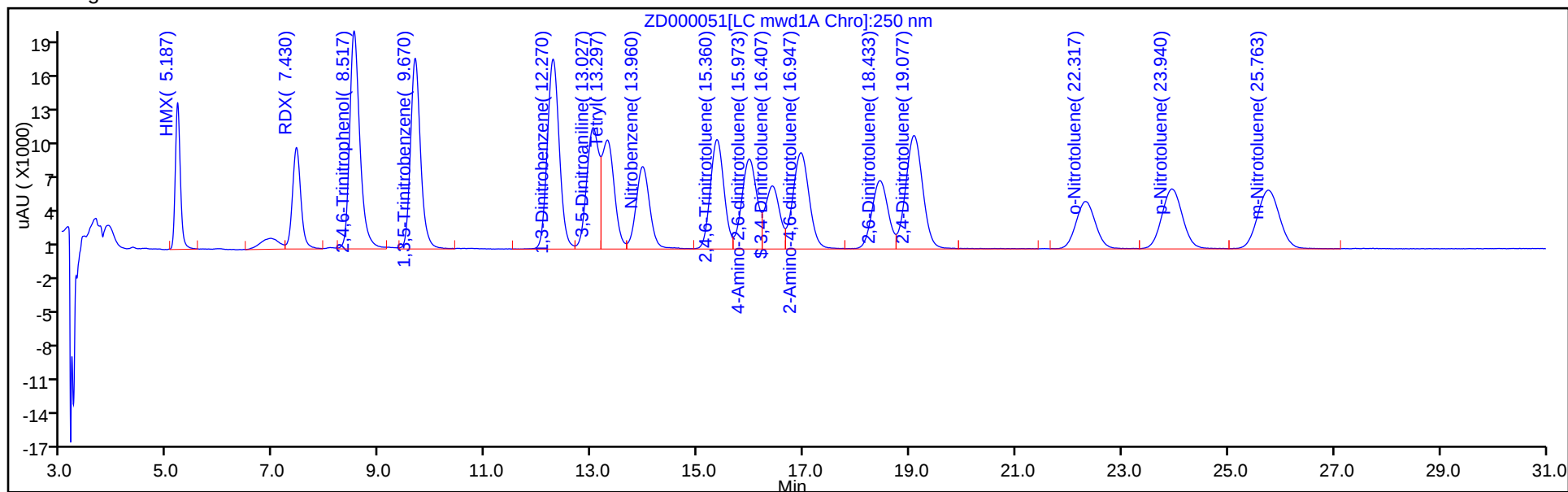
Operator ID: RN

Injection Vol: 500.0 ul

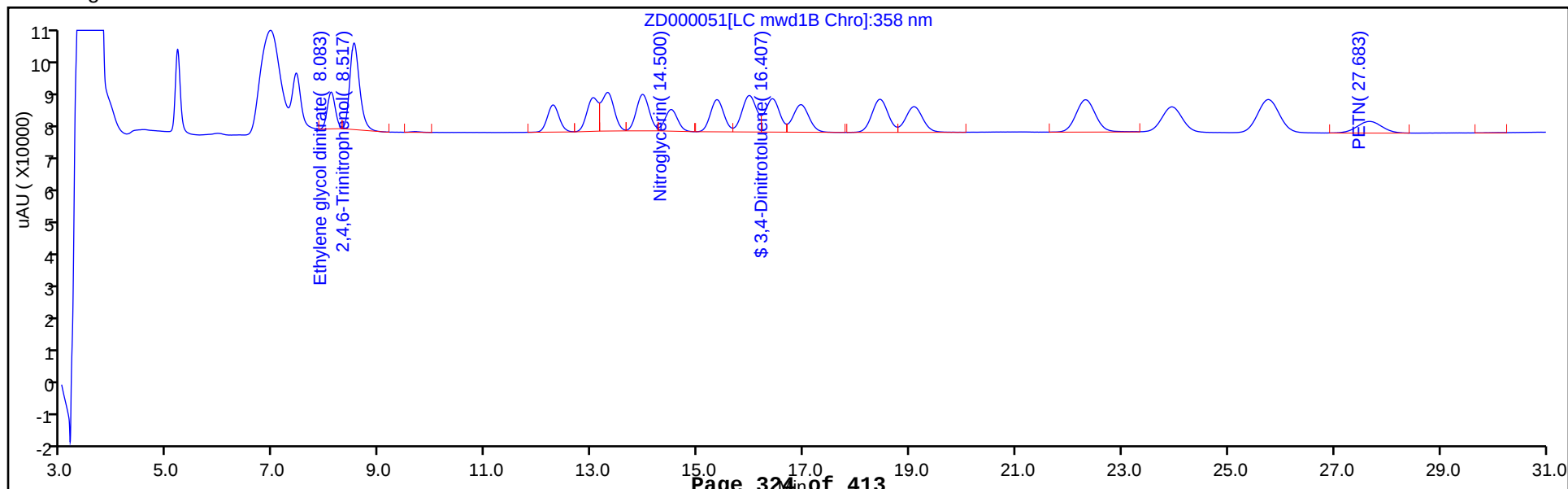
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17382/44 Calibration Date: 05/31/2013 23:13
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000052.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.5	131.4		5.24	5.00	4.7	30.0
RDX	Ave	90.99	106.8		5.87	5.00	17.4	30.0
1,3,5-Trinitrobenzene	Ave	163.5	172.2		5.26	5.00	5.3	30.0
1,3-Dinitrobenzene	Ave	162.2	171.2		5.28	5.00	5.5	30.0
3,5-Dinitroaniline	Ave	103.6	109.0		5.26	5.00	5.2	30.0
Tetryl	Ave	94.63	95.40		5.04	5.00	0.8	30.0
Nitrobenzene	Ave	71.37	70.80		4.96	5.00	-0.8	30.0
Nitroglycerin	Ave	70.31	73.10		20.8	20.0	4.0	30.0
2,4,6-Trinitrotoluene	Ave	95.40	93.80		4.92	5.00	-1.7	30.0
4-Amino-2,6-dinitrotoluene	Ave	78.37	83.20		5.31	5.00	6.2	30.0
2-Amino-4,6-dinitrotoluene	Ave	84.03	88.00		5.24	5.00	4.7	30.0
2,6-Dinitrotoluene	Ave	59.83	65.20		5.45	5.00	9.0	30.0
2,4-Dinitrotoluene	Ave	98.79	103.8		5.25	5.00	5.1	30.0
2-Nitrotoluene	Ave	42.45	44.20		5.21	5.00	4.1	30.0
4-Nitrotoluene	Ave	53.10	53.20		5.01	5.00	0.2	30.0
3-Nitrotoluene	Ave	52.01	53.40		5.13	5.00	2.7	30.0
PETN	Ave	39.35	40.90		20.8	20.0	3.9	30.0
3,4-Dinitrotoluene	Ave	57.22	54.70		19.1	20.0	-4.4	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17382/44 Calibration Date: 05/31/2013 23:13
 Instrument ID: LC10 Calib Start Date: 04/19/2013 10:45
 GC Column: Synergi C18 ID: 4.60 (mm) Calib End Date: 04/19/2013 15:51
 Lab File ID: ZD000052.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.44	7.19	7.69
1,3,5-Trinitrobenzene	9.68	9.43	9.93
1,3-Dinitrobenzene	12.28	12.03	12.53
3,5-Dinitroaniline	13.03	12.78	13.28
Tetryl	13.31	13.06	13.56
Nitrobenzene	13.98	13.73	14.23
Nitroglycerin	14.51	14.26	14.76
2,4,6-Trinitrotoluene	15.36	15.11	15.61
4-Amino-2,6-dinitrotoluene	15.97	15.72	16.22
2-Amino-4,6-dinitrotoluene	16.93	16.68	17.18
2,6-Dinitrotoluene	18.46	18.21	18.71
2,4-Dinitrotoluene	19.09	18.84	19.34
2-Nitrotoluene	22.33	22.08	22.58
4-Nitrotoluene	24.00	23.75	24.25
3-Nitrotoluene	25.80	25.55	26.05
PETN	27.71	27.46	27.96
3,4-Dinitrotoluene	16.42	16.17	16.67

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000052.D
 Lims ID: CCVL Client ID:
 Inject. Date: 31-May-2013 23:13:02 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004797-044
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 17382 Lims Sample ID: 44
 Sublist: chrom-8330_LC10*sub2
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 03-Jun-2013 08:18:05 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 08:18:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX
 1 5.197 5.197 0.0 657 5.24
 19 RDX
 1 7.440 7.440 0.0 534 5.87
 27 1,3,5-Trinitrobenzene
 1 9.677 9.677 0.0 861 5.26
 24 1,3-Dinitrobenzene
 1 12.283 12.283 0.0 856 5.28
 9 3,5-Dinitroaniline
 1 13.033 13.033 0.0 545 5.26
 20 Tetryl
 1 13.307 13.307 0.0 477 5.04
 5 Nitrobenzene
 1 13.977 13.977 0.0 354 4.96
 7 Nitroglycerin
 2 14.507 14.507 0.0 1462 20.8
 25 2,4,6-Trinitrotoluene
 1 15.357 15.357 0.0 469 4.92
 26 4-Amino-2,6-dinitrotoluene
 1 15.973 15.973 0.0 416 5.31
 \$ 30 3,4-Dinitrotoluene
 1 16.423 16.423 0.0 1094 19.1
 2 16.427 16.427 0.0 2089 19.5
 6 2-Amino-4,6-dinitrotoluene
 1 16.933 16.933 0.0 440 5.24
 12 2,6-Dinitrotoluene
 1 18.457 18.457 0.0 326 5.45

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000052.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.093	19.093	0.0	519	5.25	
16 o-Nitrotoluene						
1	22.333	22.333	0.0	221	5.21	
15 p-Nitrotoluene						
1	24.003	24.003	0.0	266	5.01	
8 m-Nitrotoluene						
1	25.797	25.797	0.0	267	5.13	
21 PETN						
2	27.707	27.707	0.0	818	20.8	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000052.D

Injection Date: 31-May-2013 23:13:02

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 44

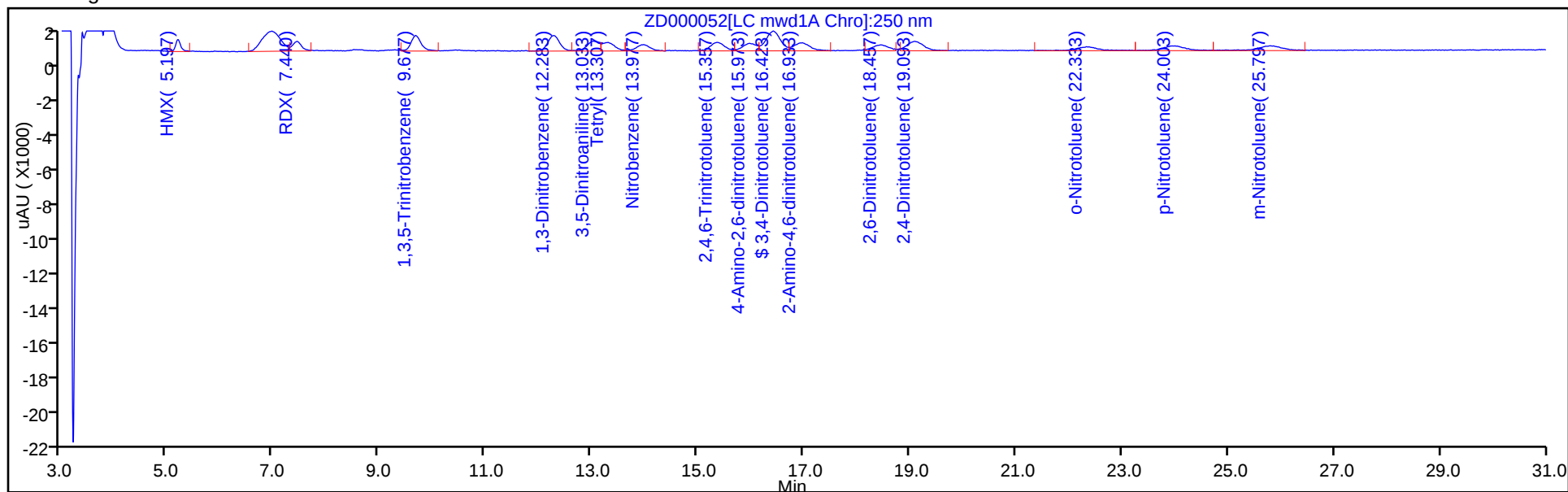
Operator ID: RN

Injection Vol: 500.0 ul

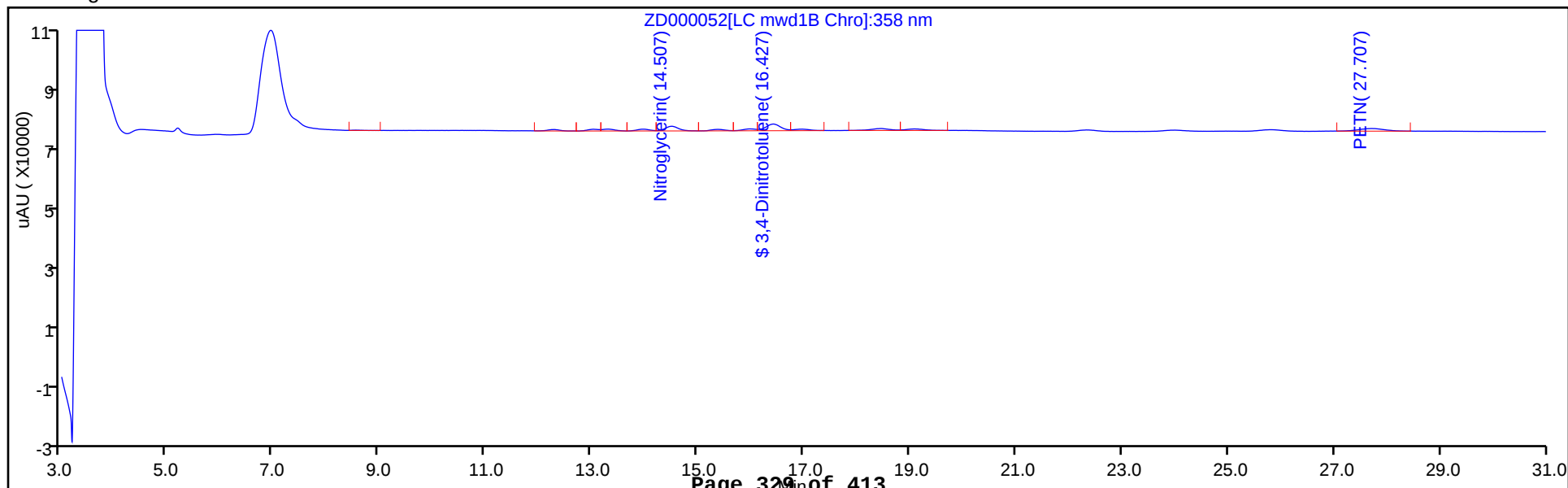
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: ICV 320-10422/11 Calibration Date: 02/14/2013 03:05
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: M000012.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Picric acid	None		0.0870		0.500	1000	-100.0*	20.0
Nitrobenzene	Ave	48.34	48.04		497	500	-0.6	20.0
Ethylene glycol dinitrate	Ave	21.88	22.05		504	500	0.8	20.0
1,3-Dinitrobenzene	Ave	106.1	100.8		475	500	-4.9	20.0
1,3,5-Trinitrobenzene	Ave	82.14	79.18		482	500	-3.6	20.0
2-Nitrotoluene	Ave	63.47	61.84		487	500	-2.6	20.0
4-Nitrotoluene	Ave	63.47	61.84		487	500	-2.6	20.0
3-Nitrotoluene	Ave	42.38	39.90		471	500	-5.8	20.0
3,5-Dinitroaniline	Ave	82.33	80.95		492	500	-1.7	20.0
RDX	Ave	49.04	45.73		466	500	-6.7	20.0
2,4-Dinitrotoluene	Ave	88.34	87.12		493	500	-1.4	20.0
2,6-Dinitrotoluene	Ave	53.63	52.70		491	500	-1.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	76.75		516	500	3.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	70.74		503	500	0.6	20.0
2,4,6-Trinitrotoluene	Ave	87.92	94.20		536	500	7.1	20.0
HMX	Ave	65.31	66.47		509	500	1.8	20.0
Nitroglycerin	Ave	91.50	99.16		542	500	8.4	20.0
Tetryl	Ave	118.9	137.0		576	500	15.2	20.0
PETN	Ave	146.8	152.3		519	500	3.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: ICV 320-10422/11 Calibration Date: 02/14/2013 03:05
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: M000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Picric acid	0.10	0.00	0.35
Nitrobenzene	22.76	22.51	23.01
Ethylene glycol dinitrate	23.99	23.74	24.24
1,3-Dinitrobenzene	25.86	25.61	26.11
1,3,5-Trinitrobenzene	28.79	28.54	29.04
2-Nitrotoluene	29.95	29.70	30.20
4-Nitrotoluene	29.95	29.70	30.20
3-Nitrotoluene	30.56	30.31	30.81
3,5-Dinitroaniline	31.97	31.72	32.22
RDX	32.58	32.33	32.83
2,4-Dinitrotoluene	33.82	33.57	34.07
2,6-Dinitrotoluene	34.84	34.59	35.09
2-Amino-4,6-dinitrotoluene	36.93	36.68	37.18
4-Amino-2,6-dinitrotoluene	37.50	37.25	37.75
2,4,6-Trinitrotoluene	41.27	41.02	41.52
HMX	42.70	42.45	42.95
Nitroglycerin	45.21	44.96	45.46
Tetryl	46.79	46.54	47.04
PETN	53.11	52.86	53.36

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D

Lims ID: ICV

Client ID:

Inject. Date: 14-Feb-2013 03:05:41

Dil. Factor: 1.0000

Sample Type: ICV

Sample ID: 320-0002792-011

Misc. Info.:

Operator: RN

Instrument ID: LC12

Injection Vol: 500.0 ul

ALS Bottle#: 20

Lims Batch ID: 10422

Lims Sample ID: 11

Sublist:

Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m

Last Update: 14-Feb-2013 07:52:21

Calib Date: 14-Feb-2013 00:54:32

Quant Method: External Standard

Quant By: Initial Calibration

Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D

Limit Group: LC 8330B ICAL

Integrator: Falcon

Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:51:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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10 2,4,6-Trinitrophenol

2 0.096 0.096 0.0 87 0

1 0.096 0.096 0.0 92 0

5 Nitrobenzene

1 22.763 22.763 0.0 24018 496.9

3 Ethylene glycol dinitrate

2 23.993 23.993 0.0 11023 503.9

24 1,3-Dinitrobenzene

1 25.863 25.863 0.0 50405 475.3

27 1,3,5-Trinitrobenzene

1 28.786 28.786 0.0 39588 482.0

16 o-Nitrotoluene

1 29.953 29.953 0.0 30919 487.1

15 p-Nitrotoluene

1 29.953 29.953 0.0 30919 487.1

8 m-Nitrotoluene

1 30.560 30.560 0.0 19952 470.8

9 3,5-Dinitroaniline

1 31.970 31.970 0.0 40475 491.6

19 RDX

1 32.580 32.580 0.0 22864 466.3

23 2,4-Dinitrotoluene

1 33.820 33.820 0.0 43562 493.1

12 2,6-Dinitrotoluene

1 34.843 34.843 0.0 26351 491.4

6 2-Amino-4,6-dinitrotoluene

1 36.933 36.933 0.0 38373 515.8

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
26 4-Amino-2,6-dinitrotoluene						
1	37.503	37.503	0.0	35368	503.0	
25 2,4,6-Trinitrotoluene						
1	41.273	41.273	0.0	47098	535.7	
11 HMX						
1	42.696	42.696	0.0	33235	508.9	
7 Nitroglycerin						
2	45.206	45.206	0.0	49581	541.9	
20 Tetryl						
1	46.786	46.786	0.0	68518	576.1	
21 PETN						
2	53.113	53.113	0.0	76141	518.8	

Report Date: 14-Feb-2013 07:52:22

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000012.D

Injection Date: 14-Feb-2013 03:05:41

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 11

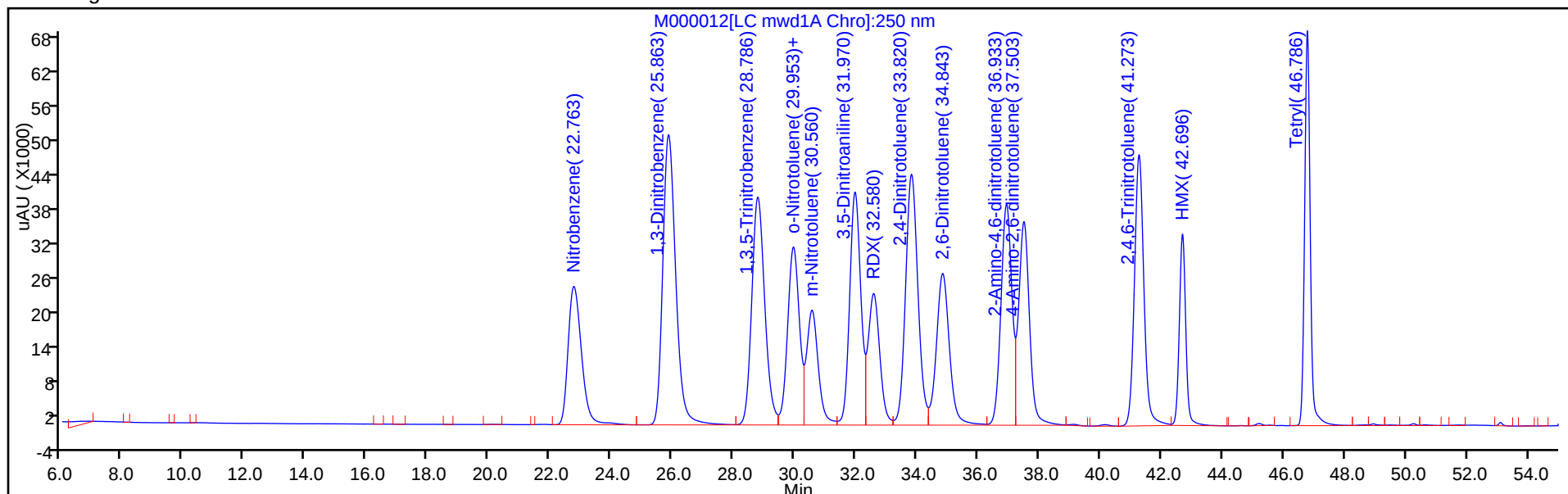
Operator ID: RN

Injection Vol: 500.0 ul

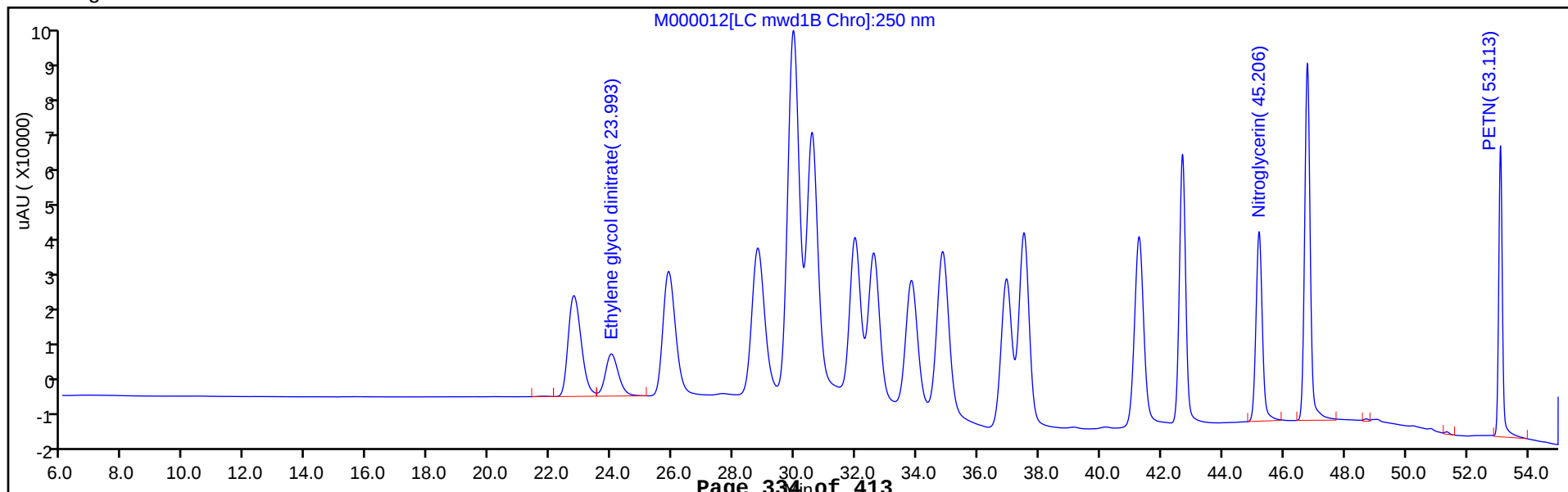
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: LODV 320-10422/12 Calibration Date: 02/14/2013 04:11
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: M000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	51.80		5.36	5.00	7.2	
1,3-Dinitrobenzene	Ave	106.1	115.8		5.46	5.00	9.2	
1,3,5-Trinitrobenzene	Ave	82.14	91.20		5.55	5.00	11.0	
2-Nitrotoluene	Ave	63.47	66.80		5.26	5.00	5.2	
4-Nitrotoluene	Ave	63.47	66.80		5.26	5.00	5.2	
3-Nitrotoluene	Ave	42.38	43.20		5.10	5.00	1.9	
3,5-Dinitroaniline	Ave	82.33	100.2		6.09	5.00	21.7	
RDX	Ave	49.04	60.20		6.14	5.00	22.8	
2,4-Dinitrotoluene	Ave	88.34	101.2		5.73	5.00	14.6	
2,6-Dinitrotoluene	Ave	53.63	60.80		5.67	5.00	13.4	
2-Amino-4,6-dinitrotoluene	Ave	74.40	78.40		5.27	5.00	5.4	
4-Amino-2,6-dinitrotoluene	Ave	70.31	78.20		5.56	5.00	11.2	
2,4,6-Trinitrotoluene	Ave	87.92	99.40		5.65	5.00	13.1	
HMX	Ave	65.31	71.80		5.50	5.00	9.9	
Nitroglycerin	Ave	91.50	88.10		19.3	20.0	-3.7	
Tetryl	Ave	118.9	133.4		5.61	5.00	12.2	
PETN	Ave	146.8	141.0		19.2	20.0	-3.9	
3,4-Dinitrotoluene	Ave	53.42	53.85		20.2	20.0	0.8	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: LODV 320-10422/12 Calibration Date: 02/14/2013 04:11
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: M000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Picric acid	0.10	0.00	0.35
Nitrobenzene	22.77	22.51	23.01
1,3-Dinitrobenzene	25.89	25.61	26.11
1,3,5-Trinitrobenzene	28.82	28.54	29.04
2-Nitrotoluene	29.98	29.70	30.20
4-Nitrotoluene	29.98	29.70	30.20
3-Nitrotoluene	30.54	30.31	30.81
3,5-Dinitroaniline	31.94	31.72	32.22
RDX	32.57	32.33	32.83
2,4-Dinitrotoluene	33.81	33.57	34.07
2,6-Dinitrotoluene	34.83	34.59	35.09
2-Amino-4,6-dinitrotoluene	36.92	36.68	37.18
4-Amino-2,6-dinitrotoluene	37.50	37.25	37.75
2,4,6-Trinitrotoluene	41.27	41.02	41.52
HMX	42.69	42.45	42.95
Nitroglycerin	45.18	44.96	45.46
Tetryl	46.77	46.54	47.04
PETN	53.11	52.86	53.36
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	39.07	38.75	39.25

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D
 Lims ID: LODV 5-20ng/mL Client ID:
 Inject. Date: 14-Feb-2013 04:11:14 Dil. Factor: 1.0000
 Sample Type: LODV
 Sample ID: 320-0002792-012
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 10422 Lims Sample ID: 12
 Method: \\SACChrom\ChromData\LC12\20130213-2792.b\LC12_Conf_8330.m
 Last Update: 14-Feb-2013 08:04:02 Calib Date: 14-Feb-2013 00:54:32
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK023

First Level Reviewer: noonanr

Date: 14-Feb-2013 07:52:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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10 2,4,6-Trinitrophenol						
2	0.102	0.096	0.006	111	0	
1	0.102	0.096	0.006	99	0	
5 Nitrobenzene						
1	22.772	22.763	0.009	259	5.36	
24 1,3-Dinitrobenzene						
1	25.886	25.863	0.023	579	5.46	
27 1,3,5-Trinitrobenzene						
1	28.816	28.786	0.030	456	5.55	
16 o-Nitrotoluene						
1	29.979	29.953	0.026	334	5.26	
15 p-Nitrotoluene						
1	29.979	29.953	0.026	334	5.26	
8 m-Nitrotoluene						
1	30.539	30.560	-0.021	216	5.10	
9 3,5-Dinitroaniline						
1	31.939	31.970	-0.031	501	6.09	
19 RDX						
1	32.566	32.580	-0.014	301	6.14	
23 2,4-Dinitrotoluene						
1	33.812	33.820	-0.008	506	5.73	
12 2,6-Dinitrotoluene						
1	34.826	34.843	-0.017	304	5.67	
6 2-Amino-4,6-dinitrotoluene						
1	36.919	36.933	-0.014	392	5.27	
26 4-Amino-2,6-dinitrotoluene						
1	37.502	37.503	-0.001	391	5.56	
\$ 30 3,4-Dinitrotoluene						
1	39.072	38.999	0.073	1077	20.2	

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	41.266	41.273	-0.007	497	5.65	
11 HMX						
1	42.686	42.696	-0.010	359	5.50	
7 Nitroglycerin						
2	45.182	45.206	-0.024	1762	19.3	
20 Tetryl						
1	46.766	46.786	-0.020	667	5.61	
21 PETN						
2	53.109	53.113	-0.004	2820	19.2	

Report Date: 14-Feb-2013 08:04:10

Chrom Revision: 2.1 23-Jan-2013 14:30:26

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130213-2792.b\M000013.D

Injection Date: 14-Feb-2013 04:11:14

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 10422

Lims Sample ID: 12

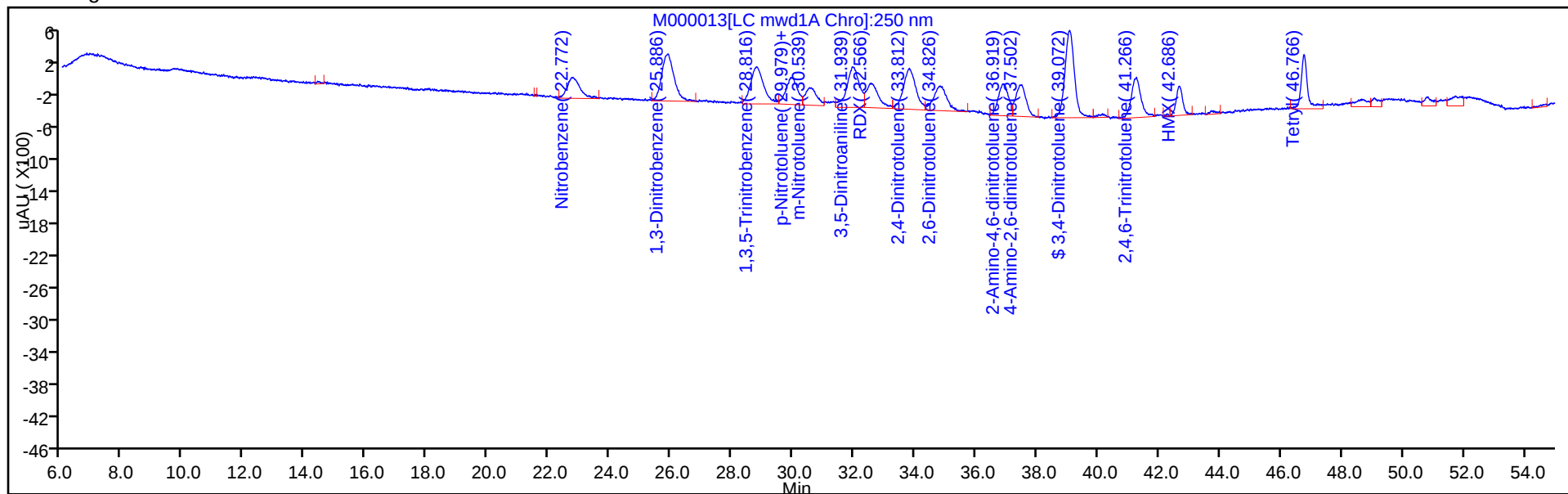
Operator ID: RN

Injection Vol: 500.0 ul

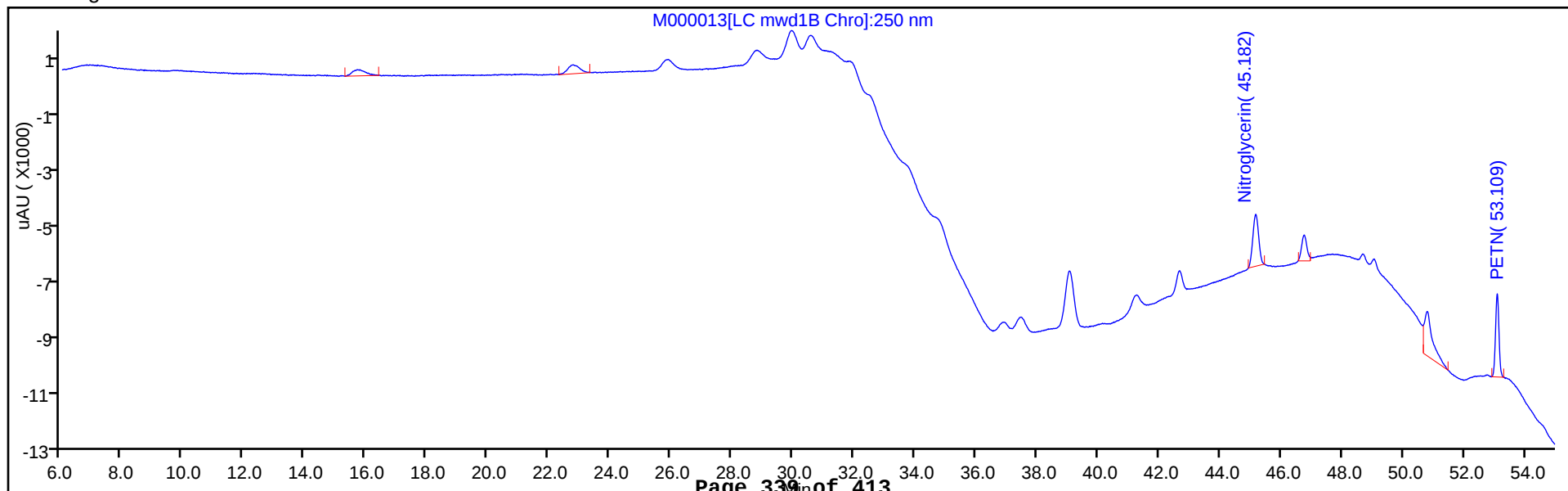
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17433/45 Calibration Date: 05/31/2013 22:28
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000012.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	48.11		99.5	100	-0.5	20.0
Ethylene glycol dinitrate	Ave	21.88	23.93		109	100	9.4	20.0
1,3-Dinitrobenzene	Ave	106.1	103.9		97.9	100	-2.1	20.0
1,3,5-Trinitrobenzene	Ave	82.14	78.39		95.4	100	-4.6	20.0
2-Nitrotoluene	Ave	63.47	60.00		94.5	100	-5.5	20.0
4-Nitrotoluene	Ave	63.47	60.00		94.5	100	-5.5	20.0
3-Nitrotoluene	Ave	42.38	40.59		95.8	100	-4.2	20.0
3,5-Dinitroaniline	Ave	82.33	80.85		98.2	100	-1.8	20.0
RDX	Ave	49.04	46.35		94.5	100	-5.5	20.0
2,4-Dinitrotoluene	Ave	88.34	89.24		101	100	1.0	20.0
2,6-Dinitrotoluene	Ave	53.63	53.13		99.1	100	-0.9	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	71.91		96.7	100	-3.3	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	65.58		93.3	100	-6.7	20.0
2,4,6-Trinitrotoluene	Ave	87.92	80.76		91.9	100	-8.1	20.0
HMX	Ave	65.31	61.18		93.7	100	-6.3	20.0
Nitroglycerin	Ave	91.50	86.40		94.4	100	-5.6	20.0
Tetryl	Ave	118.9	119.3		100	100	0.3	20.0
PETN	Ave	146.8	141.4		96.3	100	-3.7	20.0
3,4-Dinitrotoluene	Ave	53.42	50.58		94.7	100	-5.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17433/45 Calibration Date: 05/31/2013 22:28
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.27	22.02	22.52
Ethylene glycol dinitrate	23.12	22.87	23.37
1,3-Dinitrobenzene	25.18	24.93	25.43
1,3,5-Trinitrobenzene	27.79	27.54	28.04
2-Nitrotoluene	29.49	29.24	29.74
4-Nitrotoluene	29.49	29.24	29.74
3-Nitrotoluene	30.09	29.84	30.34
3,5-Dinitroaniline	31.32	31.07	31.57
RDX	31.95	31.70	32.20
2,4-Dinitrotoluene	33.13	32.88	33.38
2,6-Dinitrotoluene	34.17	33.92	34.42
2-Amino-4,6-dinitrotoluene	36.29	36.04	36.54
4-Amino-2,6-dinitrotoluene	36.92	36.67	37.17
2,4,6-Trinitrotoluene	40.58	40.33	40.83
HMX	42.43	42.18	42.68
Nitroglycerin	44.88	44.63	45.13
Tetryl	46.60	46.35	46.85
PETN	53.11	52.86	53.36
3,4-Dinitrotoluene	38.67	38.42	38.92

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000012.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 31-May-2013 22:28:50 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004817-045
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 17433 Lims Sample ID: 45
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
 Last Update: 03-Jun-2013 07:47:00 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:47:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.271	22.271	0.0	4811	99.5	
3 Ethylene glycol dinitrate						
2	23.118	23.118	0.0	2393	109.4	
24 1,3-Dinitrobenzene						
1	25.175	25.175	0.0	10385	97.9	
27 1,3,5-Trinitrobenzene						
1	27.788	27.788	0.0	7839	95.4	
16 o-Nitrotoluene						
1	29.491	29.491	0.0	6000	94.5	
15 p-Nitrotoluene						
1	29.491	29.491	0.0	6000	94.5	
8 m-Nitrotoluene						
1	30.085	30.085	0.0	4059	95.8	
9 3,5-Dinitroaniline						
1	31.321	31.321	0.0	8085	98.2	
19 RDX						
1	31.945	31.945	0.0	4635	94.5	
23 2,4-Dinitrotoluene						
1	33.128	33.128	0.0	8924	101.0	
12 2,6-Dinitrotoluene						
1	34.165	34.165	0.0	5313	99.1	
6 2-Amino-4,6-dinitrotoluene						
1	36.291	36.291	0.0	7191	96.7	
26 4-Amino-2,6-dinitrotoluene						
1	36.921	36.921	0.0	6558	93.3	
\$ 30 3,4-Dinitrotoluene						
1	38.668	38.668	0.0	5058	94.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	40.578	40.578	0.0	8076	91.9	
11 HMX						
1	42.425	42.425	0.0	6118	93.7	
7 Nitroglycerin						
2	44.878	44.878	0.0	8640	94.4	
20 Tetryl						
1	46.598	46.598	0.0	11927	100.3	
21 PETN						
2	53.105	53.105	0.0	14138	96.3	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000012.D

Injection Date: 31-May-2013 22:28:50

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 45

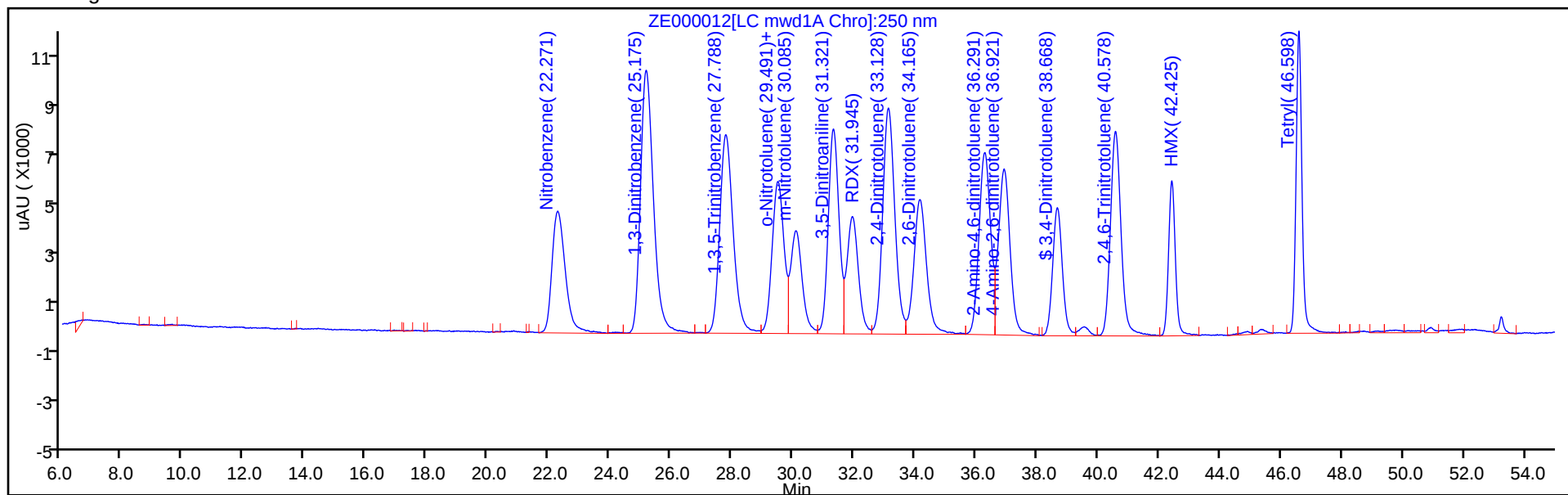
Operator ID: RN

Injection Vol: 500.0 ul

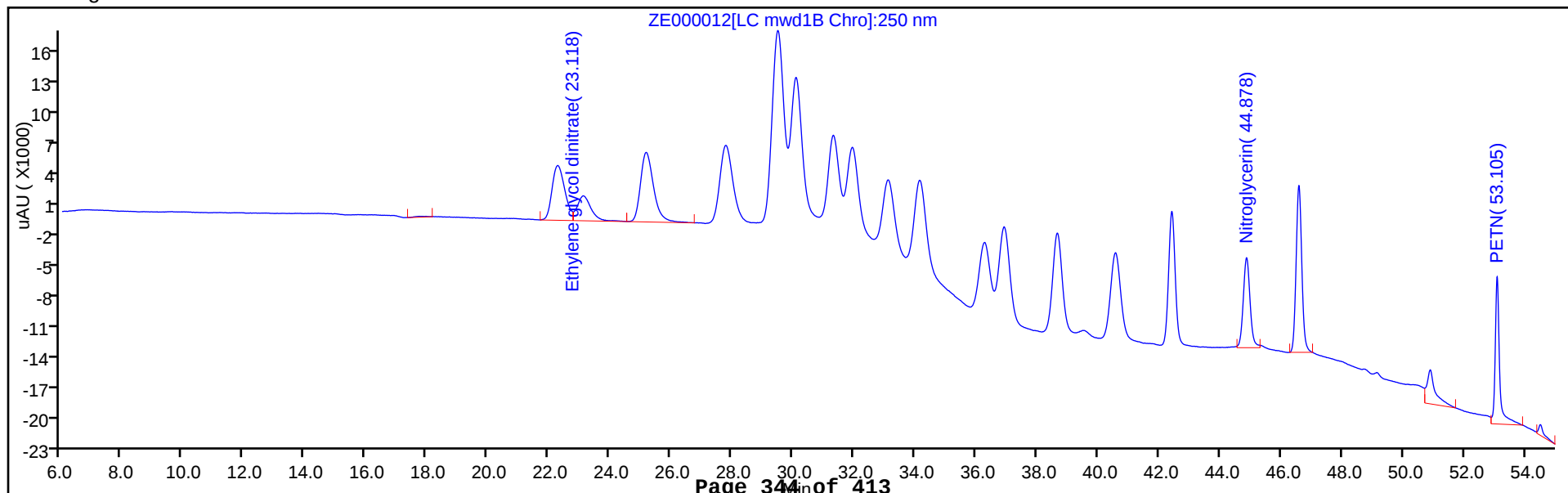
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17433/12 Calibration Date: 05/31/2013 23:35
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000013.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	55.00		5.69	5.00	13.8	30.0
1,3-Dinitrobenzene	Ave	106.1	106.6		5.03	5.00	0.5	30.0
1,3,5-Trinitrobenzene	Ave	82.14	85.60		5.21	5.00	4.2	30.0
2-Nitrotoluene	Ave	63.47	67.00		5.28	5.00	5.6	30.0
4-Nitrotoluene	Ave	63.47	67.00		5.28	5.00	5.6	30.0
3-Nitrotoluene	Ave	42.38	47.00		5.55	5.00	10.9	30.0
3,5-Dinitroaniline	Ave	82.33	88.00		5.34	5.00	6.9	30.0
RDX	Ave	49.04	57.60		5.87	5.00	17.5	30.0
2,4-Dinitrotoluene	Ave	88.34	92.20		5.22	5.00	4.4	30.0
2,6-Dinitrotoluene	Ave	53.63	52.80		4.92	5.00	-1.5	30.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	70.00		4.70	5.00	-5.9	30.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	62.20		4.42	5.00	-11.5	30.0
2,4,6-Trinitrotoluene	Ave	87.92	78.20		4.45	5.00	-11.1	30.0
HMX	Ave	65.31	65.60		5.02	5.00	0.4	30.0
Nitroglycerin	Ave	91.50	97.05		21.2	20.0	6.1	30.0
Tetryl	Ave	118.9	116.8		4.91	5.00	-1.8	30.0
PETN	Ave	146.8	134.3		18.3	20.0	-8.5	30.0
3,4-Dinitrotoluene	Ave	53.42	51.30		19.2	20.0	-4.0	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17433/12 Calibration Date: 05/31/2013 23:35
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.25	22.00	22.50
1,3-Dinitrobenzene	25.17	24.92	25.42
1,3,5-Trinitrobenzene	27.76	27.51	28.01
2-Nitrotoluene	29.40	29.15	29.65
4-Nitrotoluene	29.40	29.15	29.65
3-Nitrotoluene	30.04	29.79	30.29
3,5-Dinitroaniline	31.30	31.05	31.55
RDX	31.94	31.69	32.19
2,4-Dinitrotoluene	33.11	32.86	33.36
2,6-Dinitrotoluene	34.15	33.90	34.40
2-Amino-4,6-dinitrotoluene	36.27	36.02	36.52
4-Amino-2,6-dinitrotoluene	36.93	36.68	37.18
2,4,6-Trinitrotoluene	40.57	40.32	40.82
HMX	42.41	42.16	42.66
Nitroglycerin	44.89	44.64	45.14
Tetryl	46.61	46.36	46.86
PETN	53.11	52.86	53.36
3,4-Dinitrotoluene	38.68	38.43	38.93

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000013.D
 Lims ID: CCVL Client ID:
 Inject. Date: 31-May-2013 23:35:05 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004817-012
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 17433 Lims Sample ID: 12
 Sublist: chrom-LC12_Conf_8330*sub4
 Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
 Last Update: 03-Jun-2013 07:47:20 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:47:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.251	22.251	0.0	275	5.69	
24 1,3-Dinitrobenzene						
1	25.171	25.171	0.0	533	5.03	
27 1,3,5-Trinitrobenzene						
1	27.764	27.764	0.0	428	5.21	
16 o-Nitrotoluene						
1	29.401	29.401	0.0	335	5.28	
15 p-Nitrotoluene						
1	29.401	29.401	0.0	335	5.28	
8 m-Nitrotoluene						
1	30.044	30.044	0.0	235	5.55	
9 3,5-Dinitroaniline						
1	31.298	31.298	0.0	440	5.34	
19 RDX						
1	31.941	31.941	0.0	288	5.87	
23 2,4-Dinitrotoluene						
1	33.111	33.111	0.0	461	5.22	
12 2,6-Dinitrotoluene						
1	34.148	34.148	0.0	264	4.92	
6 2-Amino-4,6-dinitrotoluene						
1	36.274	36.274	0.0	350	4.70	
26 4-Amino-2,6-dinitrotoluene						
1	36.934	36.934	0.0	311	4.42	
\$ 30 3,4-Dinitrotoluene						
1	38.684	38.684	0.0	1026	19.2	
25 2,4,6-Trinitrotoluene						
1	40.571	40.571	0.0	391	4.45	

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000013.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX

1 42.414 42.414 0.0 328 5.02

7 Nitroglycerin

2 44.891 44.891 0.0 1941 21.2

20 Tetryl

1 46.608 46.608 0.0 584 4.91

21 PETN

2 53.108 53.108 0.0 2686 18.3

Report Date: 03-Jun-2013 07:47:20

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000013.D

Injection Date: 31-May-2013 23:35:05

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 12

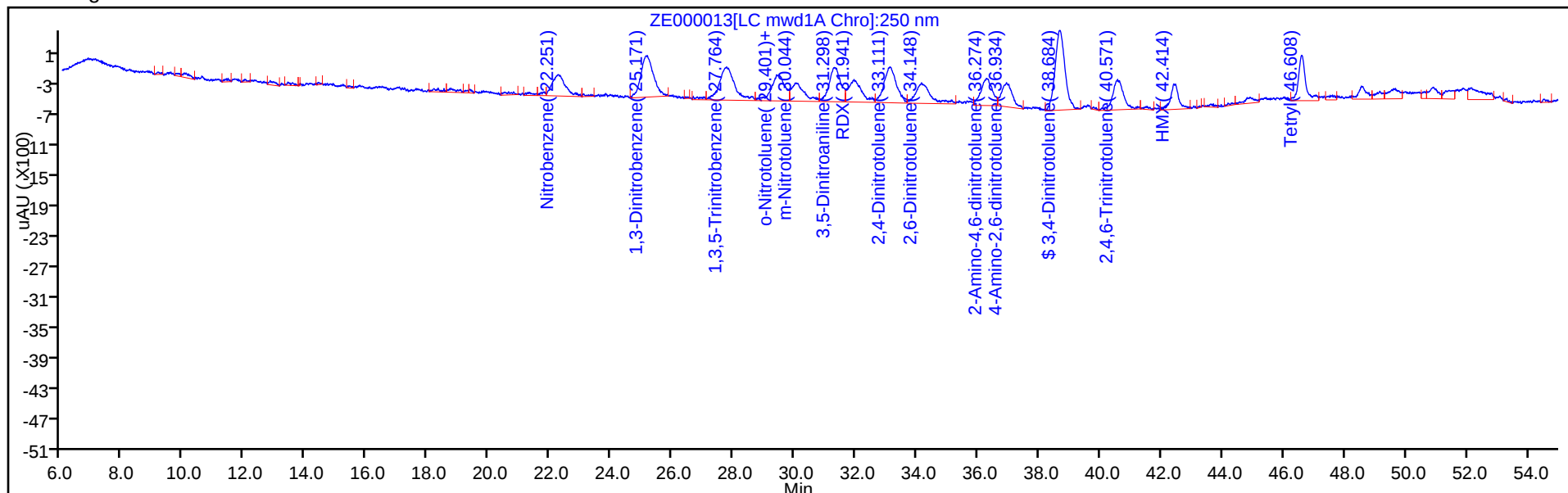
Operator ID: RN

Injection Vol: 500.0 ul

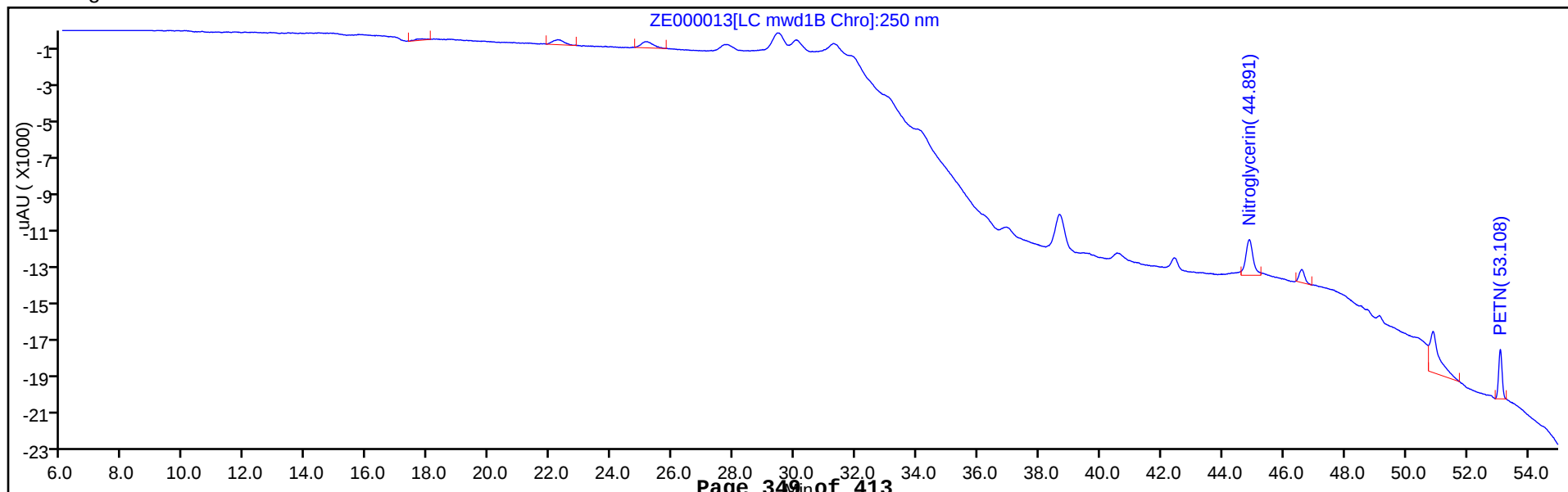
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17433/46 Calibration Date: 06/01/2013 10:39
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000023.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	47.02		97.3	100	-2.7	20.0
Ethylene glycol dinitrate	Ave	21.88	18.53		84.7	100	-15.3	20.0
1,3-Dinitrobenzene	Ave	106.1	104.0		98.1	100	-1.9	20.0
1,3,5-Trinitrobenzene	Ave	82.14	78.36		95.4	100	-4.6	20.0
2-Nitrotoluene	Ave	63.47	58.36		91.9	100	-8.1	20.0
4-Nitrotoluene	Ave	63.47	58.36		91.9	100	-8.1	20.0
3-Nitrotoluene	Ave	42.38	39.36		92.9	100	-7.1	20.0
3,5-Dinitroaniline	Ave	82.33	81.20		98.6	100	-1.4	20.0
RDX	Ave	49.04	46.57		95.0	100	-5.0	20.0
2,4-Dinitrotoluene	Ave	88.34	89.50		101	100	1.3	20.0
2,6-Dinitrotoluene	Ave	53.63	53.09		99.0	100	-1.0	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	72.05		96.8	100	-3.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	65.52		93.2	100	-6.8	20.0
2,4,6-Trinitrotoluene	Ave	87.92	81.40		92.6	100	-7.4	20.0
HMX	Ave	65.31	61.69		94.5	100	-5.5	20.0
Nitroglycerin	Ave	91.50	86.52		94.6	100	-5.4	20.0
Tetryl	Ave	118.9	119.8		101	100	0.7	20.0
PETN	Ave	146.8	139.0		94.7	100	-5.3	20.0
3,4-Dinitrotoluene	Ave	53.42	50.22		94.0	100	-6.0	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17433/46 Calibration Date: 06/01/2013 10:39
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000023.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.25	22.00	22.50
Ethylene glycol dinitrate	23.10	22.85	23.35
1,3-Dinitrobenzene	25.14	24.89	25.39
1,3,5-Trinitrobenzene	27.76	27.51	28.01
2-Nitrotoluene	29.45	29.20	29.70
4-Nitrotoluene	29.45	29.20	29.70
3-Nitrotoluene	30.05	29.80	30.30
3,5-Dinitroaniline	31.29	31.04	31.54
RDX	31.91	31.66	32.16
2,4-Dinitrotoluene	33.10	32.85	33.35
2,6-Dinitrotoluene	34.13	33.88	34.38
2-Amino-4,6-dinitrotoluene	36.27	36.02	36.52
4-Amino-2,6-dinitrotoluene	36.90	36.65	37.15
2,4,6-Trinitrotoluene	40.58	40.33	40.83
HMX	42.41	42.16	42.66
Nitroglycerin	44.87	44.62	45.12
Tetryl	46.58	46.33	46.83
PETN	53.10	52.85	53.35
3,4-Dinitrotoluene	38.66	38.41	38.91

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000023.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 01-Jun-2013 10:39:41 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004817-046
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 3
 Lims Batch ID: 17433 Lims Sample ID: 46
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
 Last Update: 03-Jun-2013 07:47:33 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:47:33

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.245	22.245	0.0	4702	97.3	
3 Ethylene glycol dinitrate						
2	23.095	23.095	0.0	1853	84.7	
24 1,3-Dinitrobenzene						
1	25.141	25.141	0.0	10403	98.1	
27 1,3,5-Trinitrobenzene						
1	27.755	27.755	0.0	7836	95.4	
16 o-Nitrotoluene						
1	29.451	29.451	0.0	5836	91.9	
15 p-Nitrotoluene						
1	29.451	29.451	0.0	5836	91.9	
8 m-Nitrotoluene						
1	30.045	30.045	0.0	3936	92.9	
9 3,5-Dinitroaniline						
1	31.288	31.288	0.0	8120	98.6	
19 RDX						
1	31.911	31.911	0.0	4657	95.0	
23 2,4-Dinitrotoluene						
1	33.098	33.098	0.0	8950	101.3	
12 2,6-Dinitrotoluene						
1	34.128	34.128	0.0	5309	99.0	
6 2-Amino-4,6-dinitrotoluene						
1	36.268	36.268	0.0	7205	96.8	
26 4-Amino-2,6-dinitrotoluene						
1	36.901	36.901	0.0	6552	93.2	
\$ 30 3,4-Dinitrotoluene						
1	38.655	38.655	0.0	5022	94.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	40.578	40.578	0.0	8140	92.6	
11 HMX						
1	42.405	42.405	0.0	6169	94.5	
7 Nitroglycerin						
2	44.865	44.865	0.0	8652	94.6	
20 Tetryl						
1	46.578	46.578	0.0	11977	100.7	
21 PETN						
2	53.101	53.101	0.0	13896	94.7	

Report Date: 03-Jun-2013 07:47:33

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000023.D

Injection Date: 01-Jun-2013 10:39:41

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 46

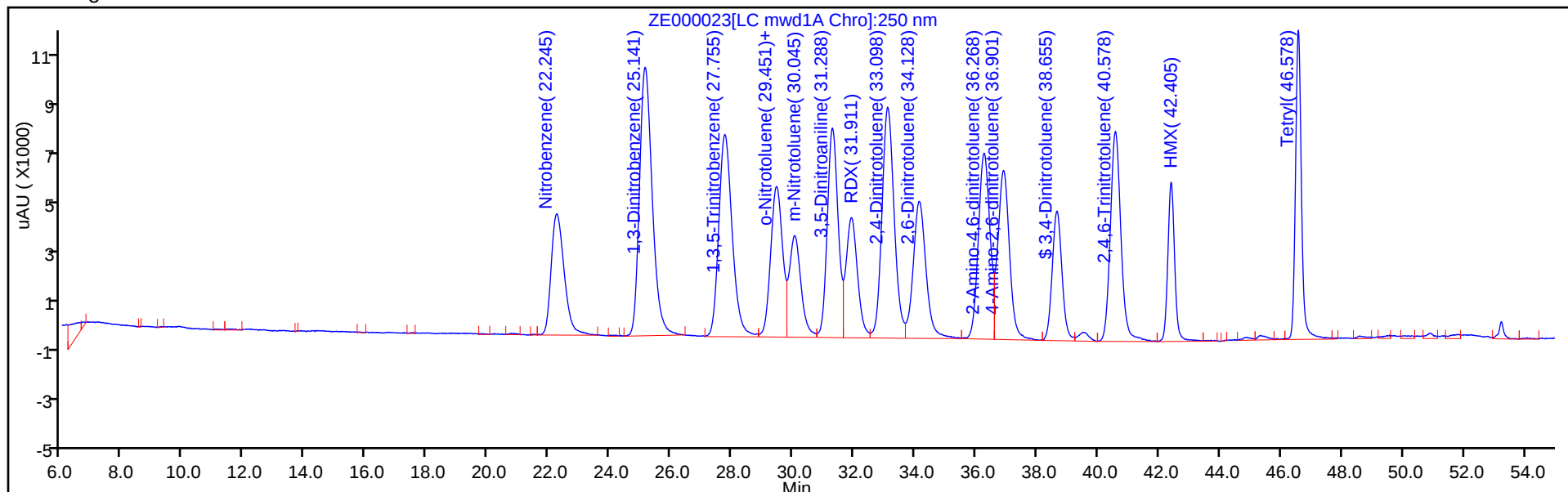
Operator ID: RN

Injection Vol: 500.0 ul

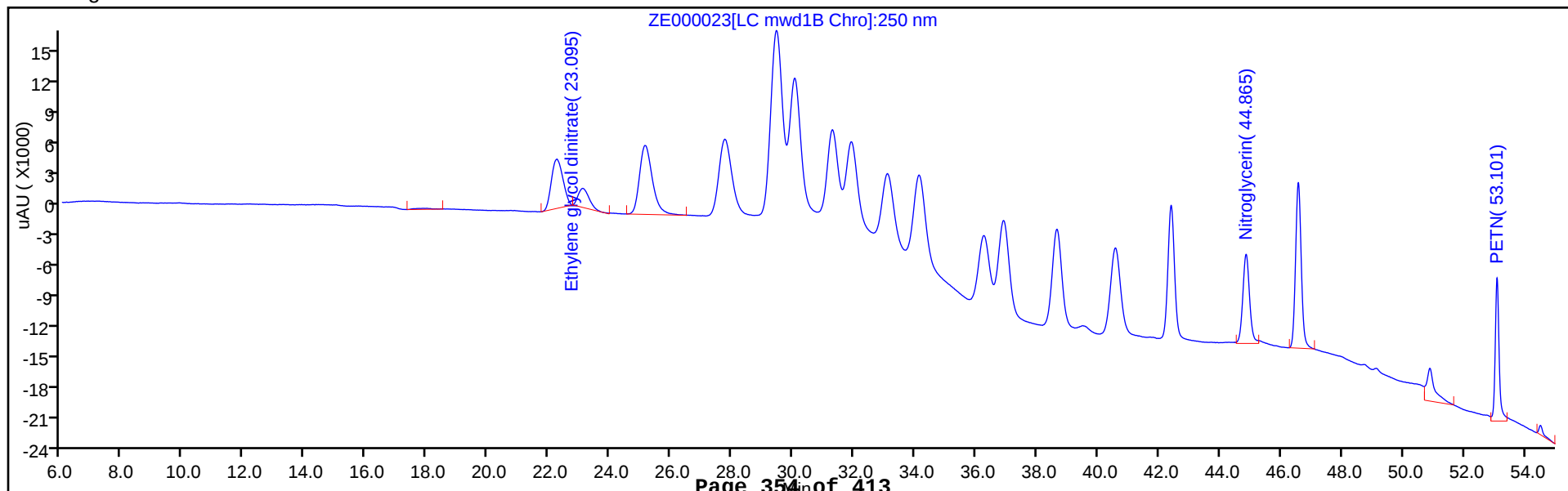
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17433/47 Calibration Date: 06/01/2013 16:11
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000028.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	48.03		99.4	100	-0.6	20.0
Ethylene glycol dinitrate	Ave	21.88	17.95		82.1	100	-17.9	20.0
1,3-Dinitrobenzene	Ave	106.1	103.8		97.9	100	-2.1	20.0
1,3,5-Trinitrobenzene	Ave	82.14	78.36		95.4	100	-4.6	20.0
2-Nitrotoluene	Ave	63.47	59.77		94.2	100	-5.8	20.0
4-Nitrotoluene	Ave	63.47	59.77		94.2	100	-5.8	20.0
3-Nitrotoluene	Ave	42.38	39.99		94.4	100	-5.6	20.0
3,5-Dinitroaniline	Ave	82.33	80.20		97.4	100	-2.6	20.0
RDX	Ave	49.04	45.74		93.3	100	-6.7	20.0
2,4-Dinitrotoluene	Ave	88.34	88.88		101	100	0.6	20.0
2,6-Dinitrotoluene	Ave	53.63	52.88		98.6	100	-1.4	20.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	71.92		96.7	100	-3.3	20.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	65.30		92.9	100	-7.1	20.0
2,4,6-Trinitrotoluene	Ave	87.92	80.50		91.6	100	-8.4	20.0
HMX	Ave	65.31	61.73		94.5	100	-5.5	20.0
Nitroglycerin	Ave	91.50	86.39		94.4	100	-5.6	20.0
Tetryl	Ave	118.9	119.3		100	100	0.3	20.0
PETN	Ave	146.8	135.8		92.5	100	-7.5	20.0
3,4-Dinitrotoluene	Ave	53.42	50.08		93.8	100	-6.2	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCV 320-17433/47 Calibration Date: 06/01/2013 16:11
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.22	21.97	22.47
Ethylene glycol dinitrate	23.06	22.81	23.31
1,3-Dinitrobenzene	25.12	24.87	25.37
1,3,5-Trinitrobenzene	27.71	27.46	27.96
2-Nitrotoluene	29.42	29.17	29.67
4-Nitrotoluene	29.42	29.17	29.67
3-Nitrotoluene	30.01	29.76	30.26
3,5-Dinitroaniline	31.24	30.99	31.49
RDX	31.86	31.61	32.11
2,4-Dinitrotoluene	33.05	32.80	33.30
2,6-Dinitrotoluene	34.08	33.83	34.33
2-Amino-4,6-dinitrotoluene	36.20	35.95	36.45
4-Amino-2,6-dinitrotoluene	36.84	36.59	37.09
2,4,6-Trinitrotoluene	40.50	40.25	40.75
HMX	42.37	42.12	42.62
Nitroglycerin	44.83	44.58	45.08
Tetryl	46.55	46.30	46.80
PETN	53.07	52.82	53.32
3,4-Dinitrotoluene	38.60	38.35	38.85

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000028.D
 Lims ID: CCV 05 Client ID:
 Inject. Date: 01-Jun-2013 16:11:11 Dil. Factor: 1.0000
 Sample Type: CCVRT
 Sample ID: 320-0004817-047
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 4
 Lims Batch ID: 17433 Lims Sample ID: 47
 Sublist: chrom-LC12_Conf_8330*sub1
 Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
 Last Update: 03-Jun-2013 07:47:42 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:47:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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5 Nitrobenzene						
1	22.224	22.224	0.0	4803	99.4	
3 Ethylene glycol dinitrate						
2	23.064	23.064	0.0	1795	82.1	
24 1,3-Dinitrobenzene						
1	25.117	25.117	0.0	10378	97.9	
27 1,3,5-Trinitrobenzene						
1	27.714	27.714	0.0	7836	95.4	
16 o-Nitrotoluene						
1	29.424	29.424	0.0	5977	94.2	
15 p-Nitrotoluene						
1	29.424	29.424	0.0	5977	94.2	
8 m-Nitrotoluene						
1	30.014	30.014	0.0	3999	94.4	
9 3,5-Dinitroaniline						
1	31.244	31.244	0.0	8020	97.4	
19 RDX						
1	31.860	31.860	0.0	4574	93.3	
23 2,4-Dinitrotoluene						
1	33.047	33.047	0.0	8888	100.6	
12 2,6-Dinitrotoluene						
1	34.080	34.080	0.0	5288	98.6	
6 2-Amino-4,6-dinitrotoluene						
1	36.197	36.197	0.0	7192	96.7	
26 4-Amino-2,6-dinitrotoluene						
1	36.837	36.837	0.0	6530	92.9	
\$ 30 3,4-Dinitrotoluene						
1	38.597	38.597	0.0	5008	93.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
25 2,4,6-Trinitrotoluene						
1	40.504	40.504	0.0	8050	91.6	
11 HMX						
1	42.374	42.374	0.0	6173	94.5	
7 Nitroglycerin						
2	44.827	44.827	0.0	8639	94.4	
20 Tetryl						
1	46.550	46.550	0.0	11932	100.3	
21 PETN						
2	53.067	53.067	0.0	13576	92.5	

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000028.D

Injection Date: 01-Jun-2013 16:11:11

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 47

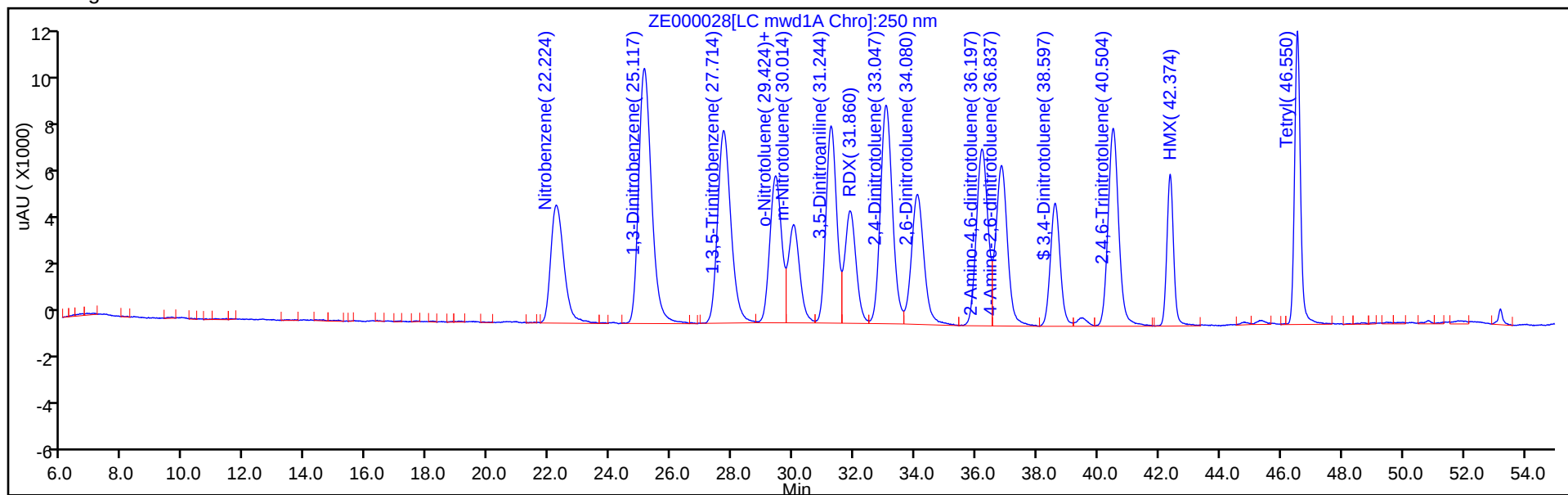
Operator ID: RN

Injection Vol: 500.0 ul

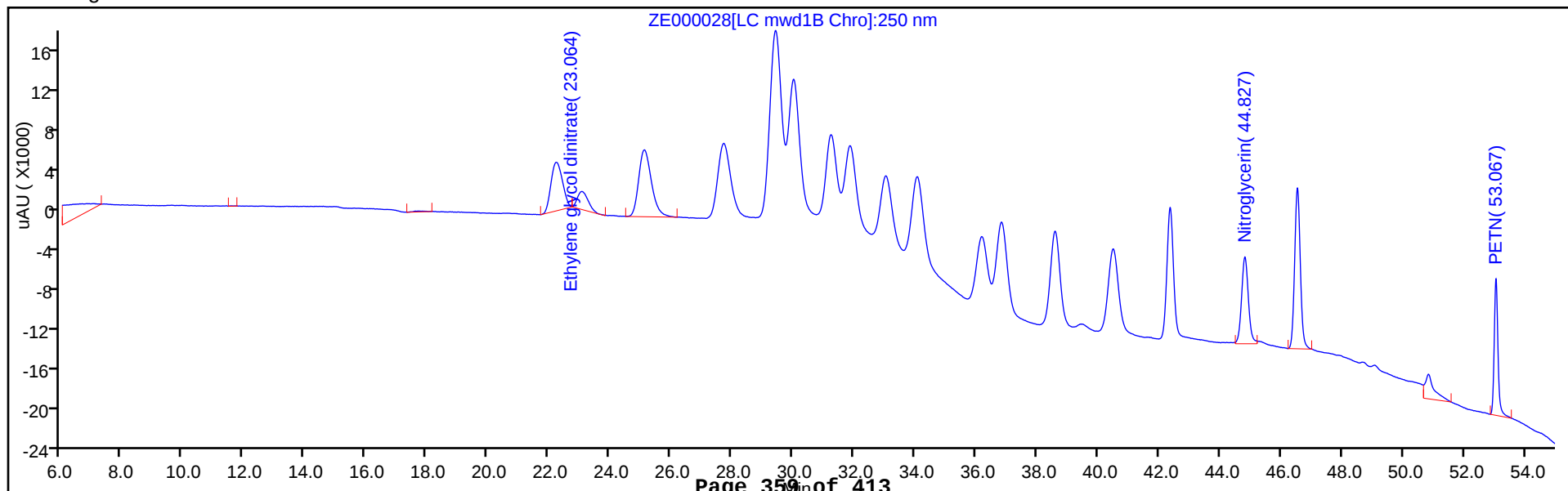
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17433/48 Calibration Date: 06/01/2013 17:17
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000029.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene	Ave	48.34	48.00		4.96	5.00	-0.7	30.0
1,3-Dinitrobenzene	Ave	106.1	106.6		5.03	5.00	0.5	30.0
1,3,5-Trinitrobenzene	Ave	82.14	80.20		4.88	5.00	-2.4	30.0
2-Nitrotoluene	Ave	63.47	56.80		4.47	5.00	-10.5	30.0
4-Nitrotoluene	Ave	63.47	56.80		4.47	5.00	-10.5	30.0
3-Nitrotoluene	Ave	42.38	41.00		4.84	5.00	-3.3	30.0
3,5-Dinitroaniline	Ave	82.33	90.60		5.50	5.00	10.0	30.0
RDX	Ave	49.04	60.40		6.16	5.00	23.2	30.0
2,4-Dinitrotoluene	Ave	88.34	92.80		5.25	5.00	5.0	30.0
2,6-Dinitrotoluene	Ave	53.63	56.00		5.22	5.00	4.4	30.0
2-Amino-4,6-dinitrotoluene	Ave	74.40	75.00		5.04	5.00	0.8	30.0
4-Amino-2,6-dinitrotoluene	Ave	70.31	57.60		4.10	5.00	-18.1	30.0
2,4,6-Trinitrotoluene	Ave	87.92	77.20		4.39	5.00	-12.2	30.0
HMX	Ave	65.31	64.20		4.92	5.00	-1.7	30.0
Nitroglycerin	Ave	91.50	95.95		21.0	20.0	4.9	30.0
Tetryl	Ave	118.9	122.2		5.14	5.00	2.7	30.0
PETN	Ave	146.8	136.4		18.6	20.0	-7.1	30.0
3,4-Dinitrotoluene	Ave	53.42	50.90		19.1	20.0	-4.7	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
 SDG No.: _____
 Lab Sample ID: CCVL 320-17433/48 Calibration Date: 06/01/2013 17:17
 Instrument ID: LC12 Calib Start Date: 02/13/2013 17:16
 GC Column: Zorbax CN ID: 4.60 (mm) Calib End Date: 02/14/2013 00:54
 Lab File ID: ZE000029.D

Analyte	RT	RT WINDOW	
		FROM	TO
Nitrobenzene	22.21	21.96	22.46
1,3-Dinitrobenzene	25.14	24.89	25.39
1,3,5-Trinitrobenzene	27.70	27.45	27.95
2-Nitrotoluene	29.38	29.13	29.63
4-Nitrotoluene	29.38	29.13	29.63
3-Nitrotoluene	29.97	29.72	30.22
3,5-Dinitroaniline	31.22	30.97	31.47
RDX	31.87	31.62	32.12
2,4-Dinitrotoluene	33.01	32.76	33.26
2,6-Dinitrotoluene	34.03	33.78	34.28
2-Amino-4,6-dinitrotoluene	36.19	35.94	36.44
4-Amino-2,6-dinitrotoluene	36.81	36.56	37.06
2,4,6-Trinitrotoluene	40.50	40.25	40.75
HMX	42.39	42.14	42.64
Nitroglycerin	44.84	44.59	45.09
Tetryl	46.57	46.32	46.82
PETN	53.10	52.85	53.35
3,4-Dinitrotoluene	38.59	38.34	38.84

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000029.D
 Lims ID: CCVL Client ID:
 Inject. Date: 01-Jun-2013 17:17:22 Dil. Factor: 1.0000
 Sample Type: CCVL
 Sample ID: 320-0004817-048
 Misc. Info.:
 Operator: RN Instrument ID: LC12
 Injection Vol: 500.0 ul ALS Bottle#: 10
 Lims Batch ID: 17433 Lims Sample ID: 48
 Sublist: chrom-LC12_Conf_8330*sub4
 Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
 Last Update: 03-Jun-2013 07:47:54 Calib Date: 07-Mar-2013 16:35:05
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
 Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:47:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
-----	----	-----------	-----------	----------	---------------------	-------

5 Nitrobenzene						
1	22.209	22.209	0.0	240	4.96	
24 1,3-Dinitrobenzene						
1	25.139	25.139	0.0	533	5.03	
27 1,3,5-Trinitrobenzene						
1	27.702	27.702	0.0	401	4.88	
16 o-Nitrotoluene						
1	29.382	29.382	0.0	284	4.47	
15 p-Nitrotoluene						
1	29.382	29.382	0.0	284	4.47	
8 m-Nitrotoluene						
1	29.969	29.969	0.0	205	4.84	
9 3,5-Dinitroaniline						
1	31.216	31.216	0.0	453	5.50	
19 RDX						
1	31.866	31.866	0.0	302	6.16	
23 2,4-Dinitrotoluene						
1	33.006	33.006	0.0	464	5.25	
12 2,6-Dinitrotoluene						
1	34.029	34.029	0.0	280	5.22	
6 2-Amino-4,6-dinitrotoluene						
1	36.186	36.186	0.0	375	5.04	
26 4-Amino-2,6-dinitrotoluene						
1	36.806	36.806	0.0	288	4.10	
\$ 30 3,4-Dinitrotoluene						
1	38.586	38.586	0.0	1018	19.1	
25 2,4,6-Trinitrotoluene						
1	40.502	40.502	0.0	386	4.39	

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000029.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	42.386	42.386	0.0	321	4.92	
7 Nitroglycerin						
2	44.836	44.836	0.0	1919	21.0	
20 Tetryl						
1	46.572	46.572	0.0	611	5.14	
21 PETN						
2	53.099	53.099	0.0	2727	18.6	

Report Date: 03-Jun-2013 07:47:54

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000029.D

Injection Date: 01-Jun-2013 17:17:22

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 48

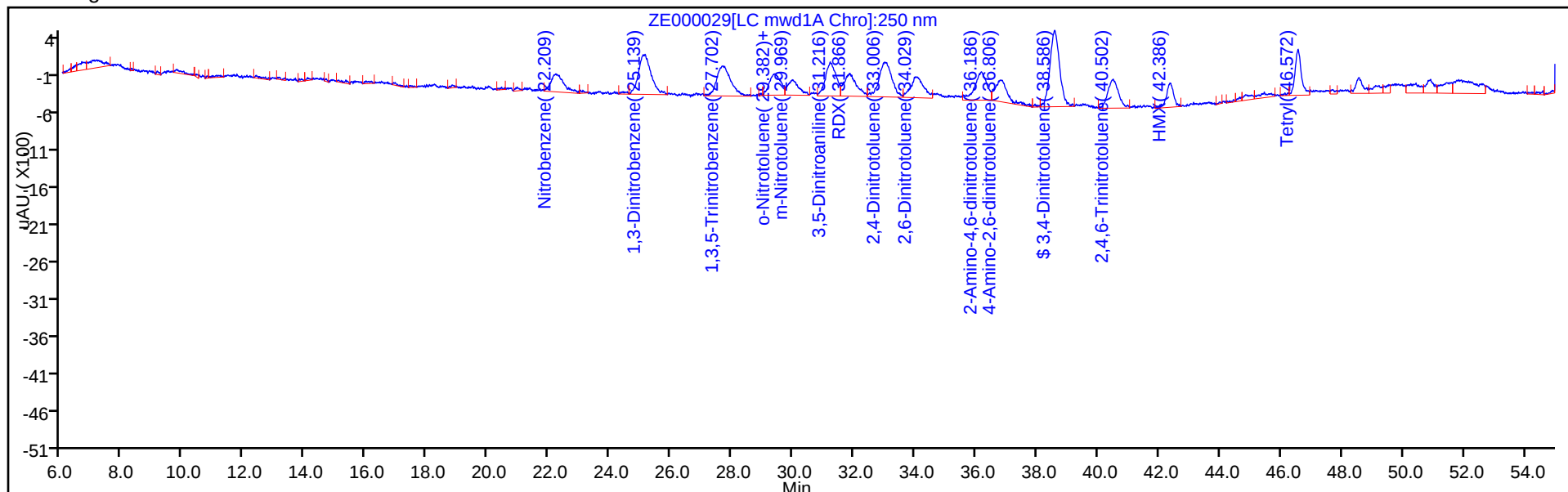
Operator ID: RN

Injection Vol: 500.0 ul

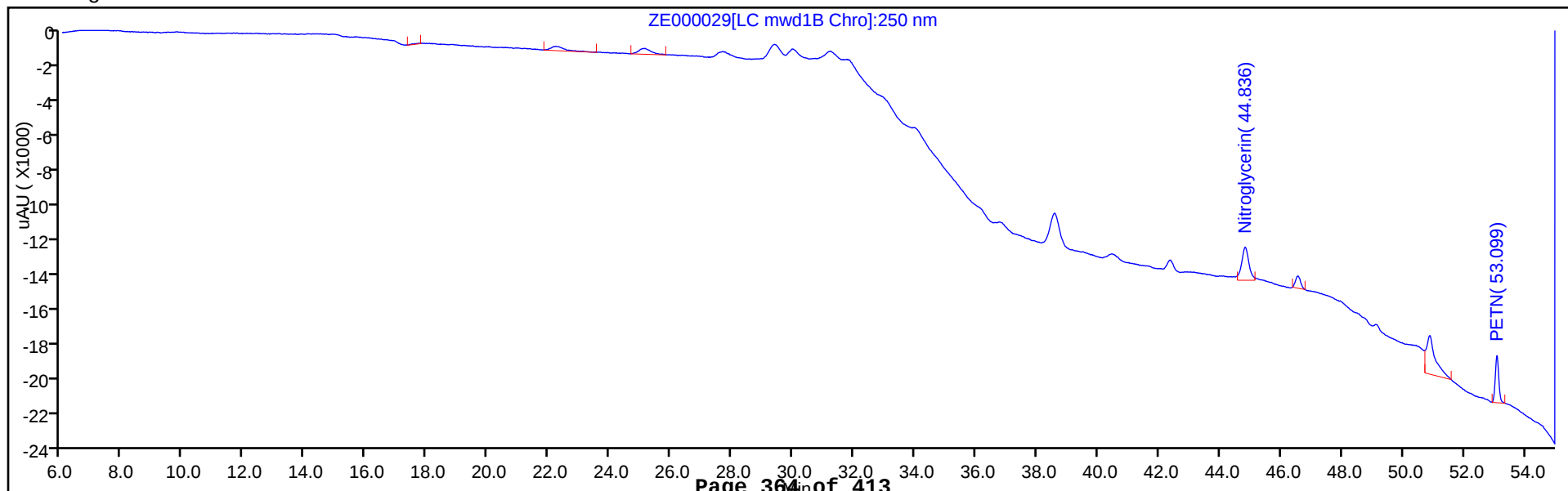
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-17034/1-A
Matrix: Solid Lab File ID: ZD000010.D
Analysis Method: 8330B Date Collected: _____
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.00(g) Date Analyzed: 05/30/2013 16:36
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	91		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000010.D
Lims ID: MB 320-17034/1-A Client ID:
Inject. Date: 30-May-2013 16:36:10 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004797-003
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 12
Lims Batch ID: 17382 Lims Sample ID: 3
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
-----	----	-----------	-----------	----------	---------------------	-------

\$ 30 3,4-Dinitrotoluene

1	16.562	16.451	0.111	3244	56.7
2	16.562	16.451	0.111	6290	58.7

Report Date: 31-May-2013 07:15:19

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000010.D

Injection Date: 30-May-2013 16:36:10

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 3

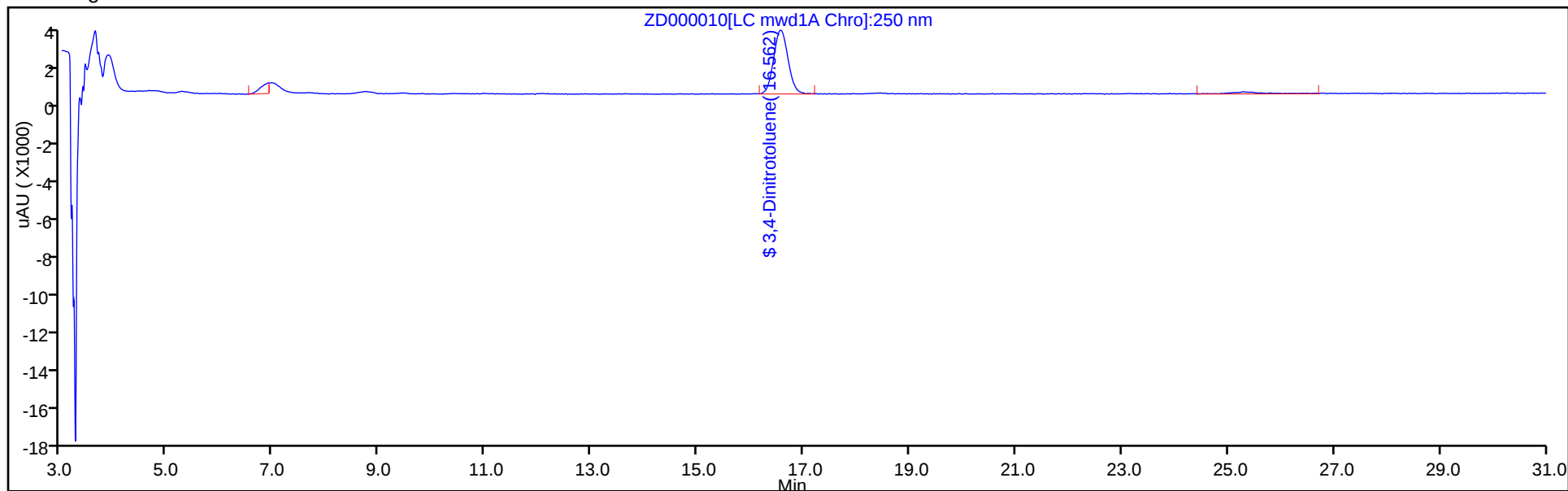
Operator ID: RN

Injection Vol: 500.0 ul

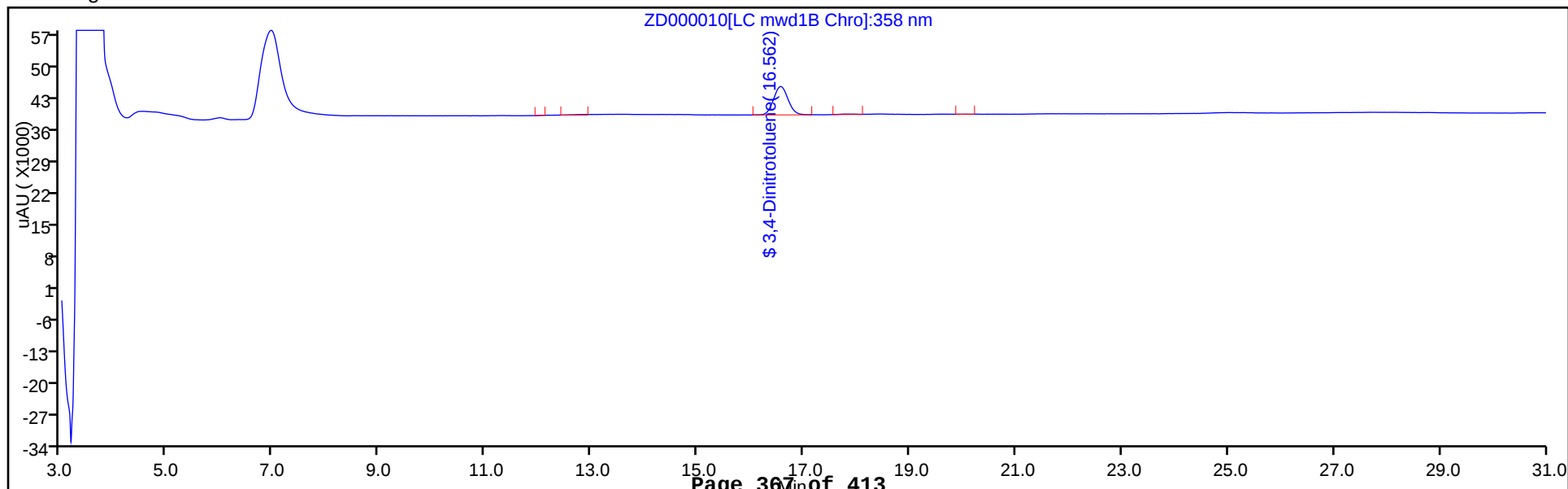
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-17034/1-A
Matrix: Solid Lab File ID: ZE000014.D
Analysis Method: 8330B Date Collected: _____
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.00(g) Date Analyzed: 06/01/2013 00:41
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	119	<i>M Q</i>	78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000014.D
Lims ID: MB 320-17034/1-A Client ID:
Inject. Date: 01-Jun-2013 00:41:22 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004817-033
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 11
Lims Batch ID: 17433 Lims Sample ID: 33
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 07:55:56 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 07:55:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene M
1 38.427 38.684 -0.257 3972 74.4 M
20 Tetryl
1 46.377 46.608 -0.231 307 2.58

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 03-Jun-2013 07:55:56

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000014.D

Injection Date: 01-Jun-2013 00:41:22

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 33

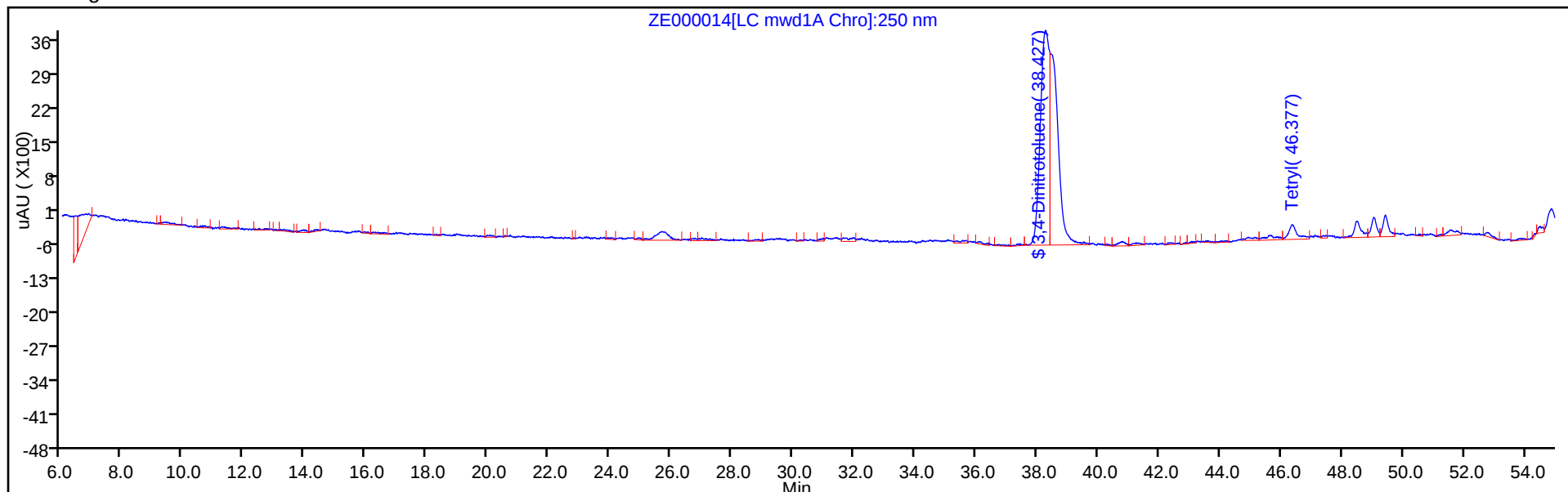
Operator ID: RN

Injection Vol: 500.0 ul

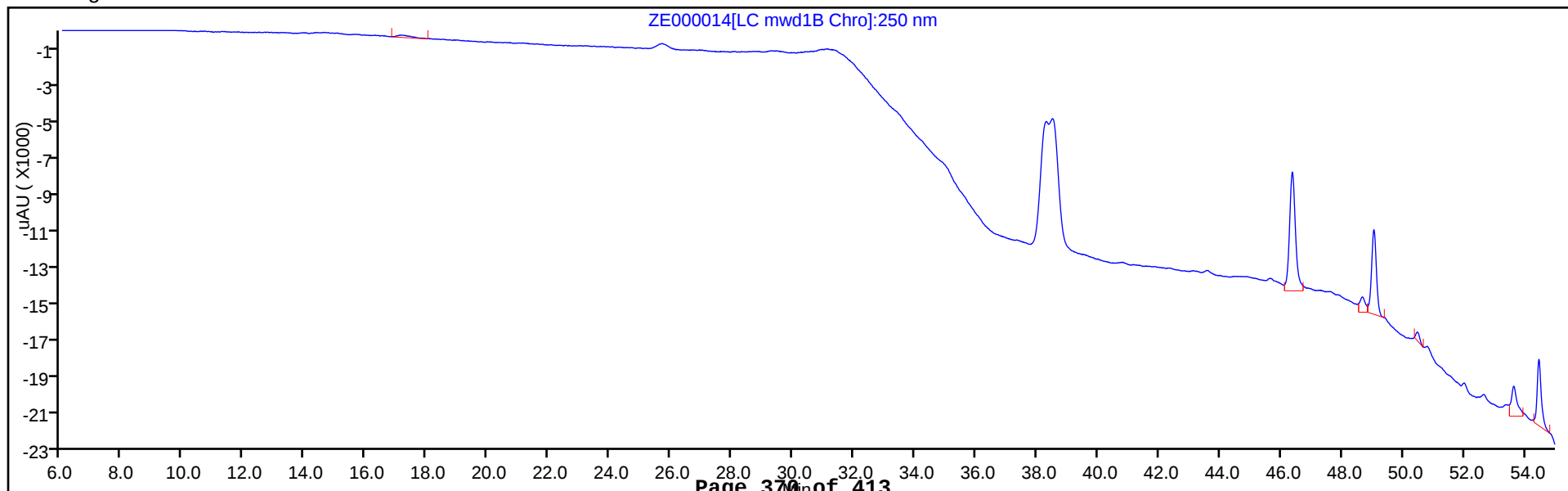
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



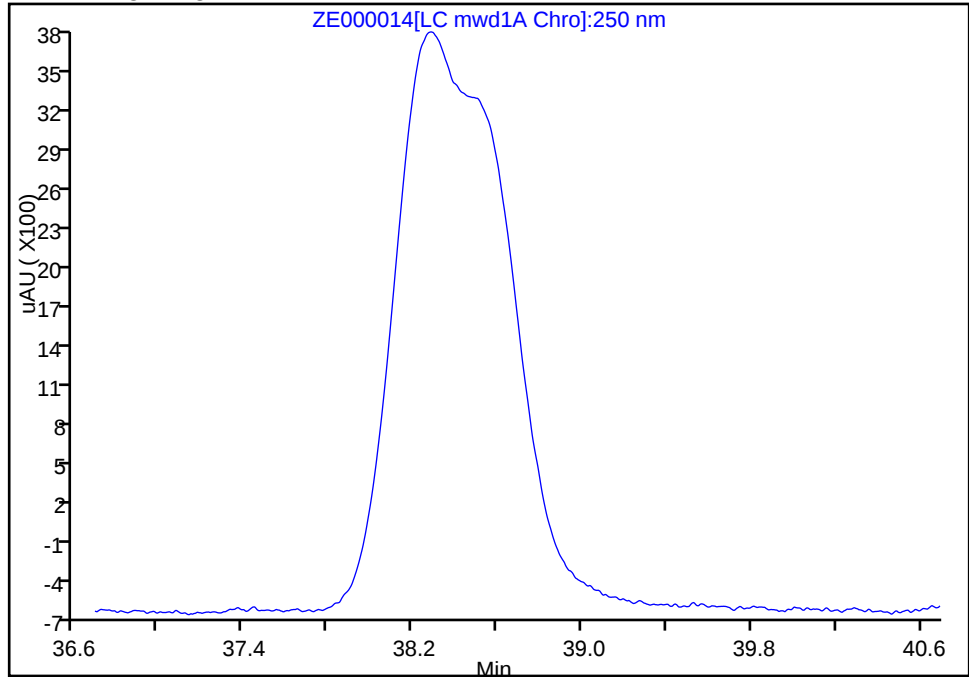
TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000014.D
Injection Date: 01-Jun-2013 00:41:22 Limit Group: LC 8330B ICAL
Client ID: Instrument ID: LC12
Lims Batch ID: 17433 Lims Sample ID: 33
Operator ID: RN Injection Vol: 500.0 ul
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm

\$ 30 3,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 38.68, Det: LC mwd1A

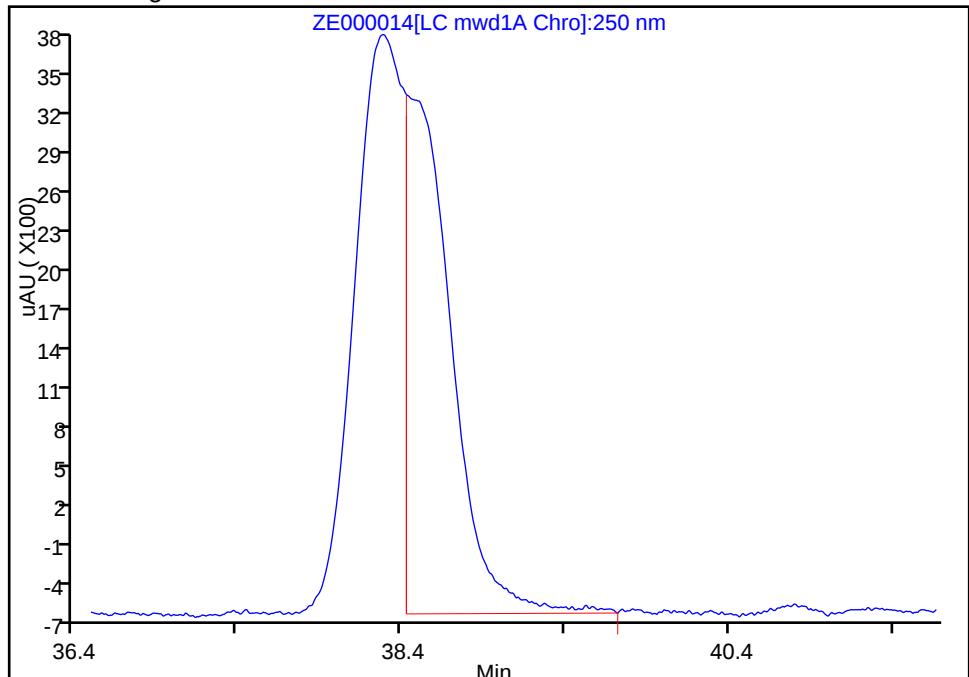
Not Detected
Expected RT: 38.68

Processing Integration Results



RT: 38.43
Response: 3972
Amount: 74.358118

Manual Integration Results



Reviewer: noonanr, 03-Jun-2013 07:55:56
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-17047/1-A
Matrix: Solid Lab File ID: ZD000025.D
Analysis Method: 8330B Date Collected: _____
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.00(g) Date Analyzed: 05/31/2013 03:31
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000025.D
Lims ID: MB 320-17047/1-A Client ID:
Inject. Date: 31-May-2013 03:31:55 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004797-018
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 26
Lims Batch ID: 17382 Lims Sample ID: 18
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:13:33

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1	16.478	16.525	-0.047	3359	58.7
2	16.478	16.522	-0.044	6345	59.2

Report Date: 31-May-2013 07:15:29

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000025.D

Injection Date: 31-May-2013 03:31:55

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 18

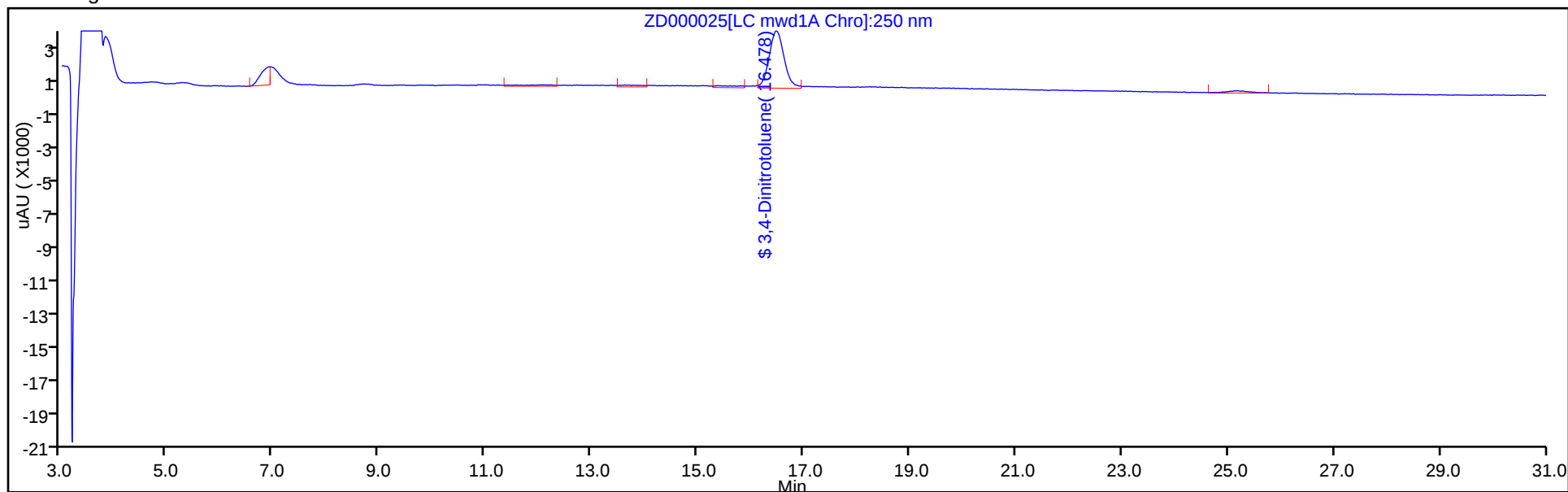
Operator ID: RN

Injection Vol: 500.0 ul

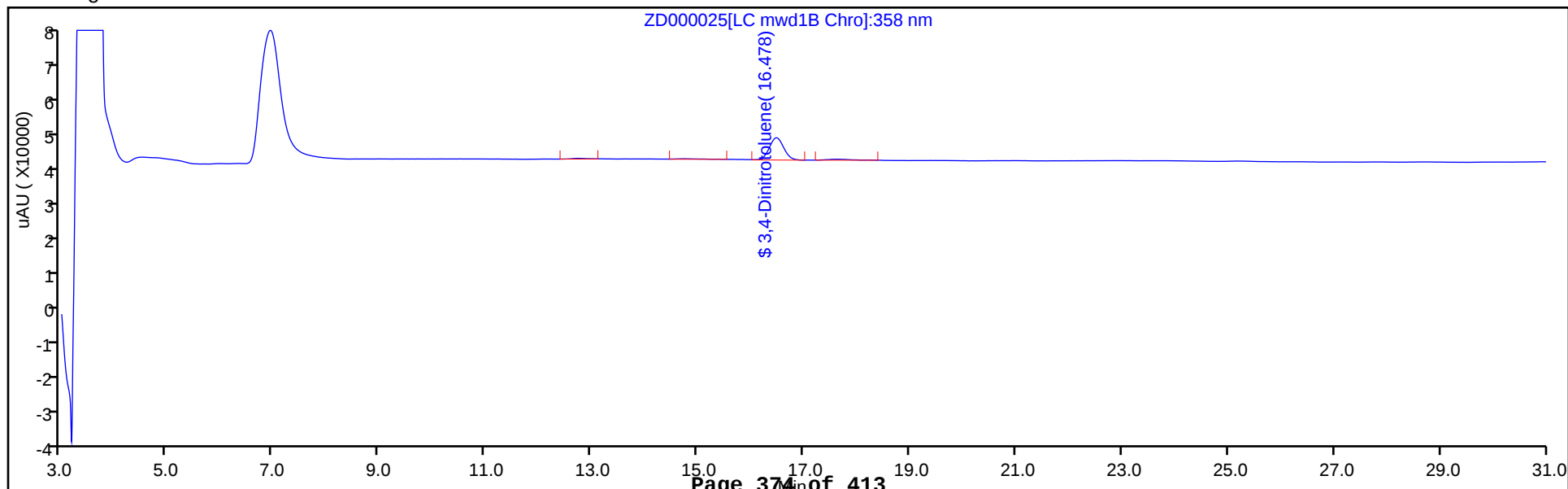
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 320-17047/1-A
Matrix: Solid Lab File ID: ZE000019.D
Analysis Method: 8330B Date Collected: _____
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.00(g) Date Analyzed: 06/01/2013 06:13
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Zorbax CN ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17433 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	111		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000019.D
Lims ID: MB 320-17047/1-A Client ID:
Inject. Date: 01-Jun-2013 06:13:58 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 320-0004817-038
Misc. Info.:
Operator: RN Instrument ID: LC12
Injection Vol: 500.0 ul ALS Bottle#: 16
Lims Batch ID: 17433 Lims Sample ID: 38
Method: \\SACChrom\ChromData\LC12\20130531-4817.b\LC12_Conf_8330.m
Last Update: 03-Jun-2013 09:49:08 Calib Date: 07-Mar-2013 16:35:05
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC12\20130307-3157.b\G000007.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Zorbax Cyano CN Column Dia: 4.60 mm
Process Host: XAWRK034

First Level Reviewer: noonanr

Date: 03-Jun-2013 12:38:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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\$ 30 3,4-Dinitrotoluene

1 38.466 38.684 -0.218 3697 69.2

Report Date: 03-Jun-2013 12:38:41

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC12\20130531-4817.b\ZE000019.D

Injection Date: 01-Jun-2013 06:13:58

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC12

Lims Batch ID: 17433

Lims Sample ID: 38

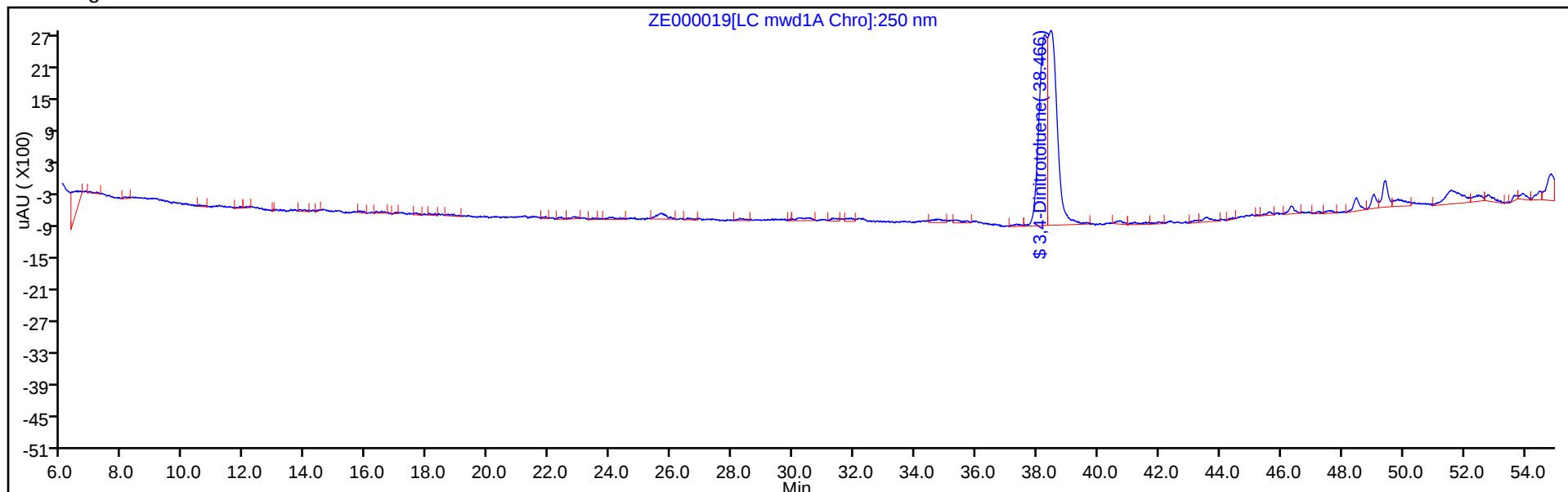
Operator ID: RN

Injection Vol: 500.0 ul

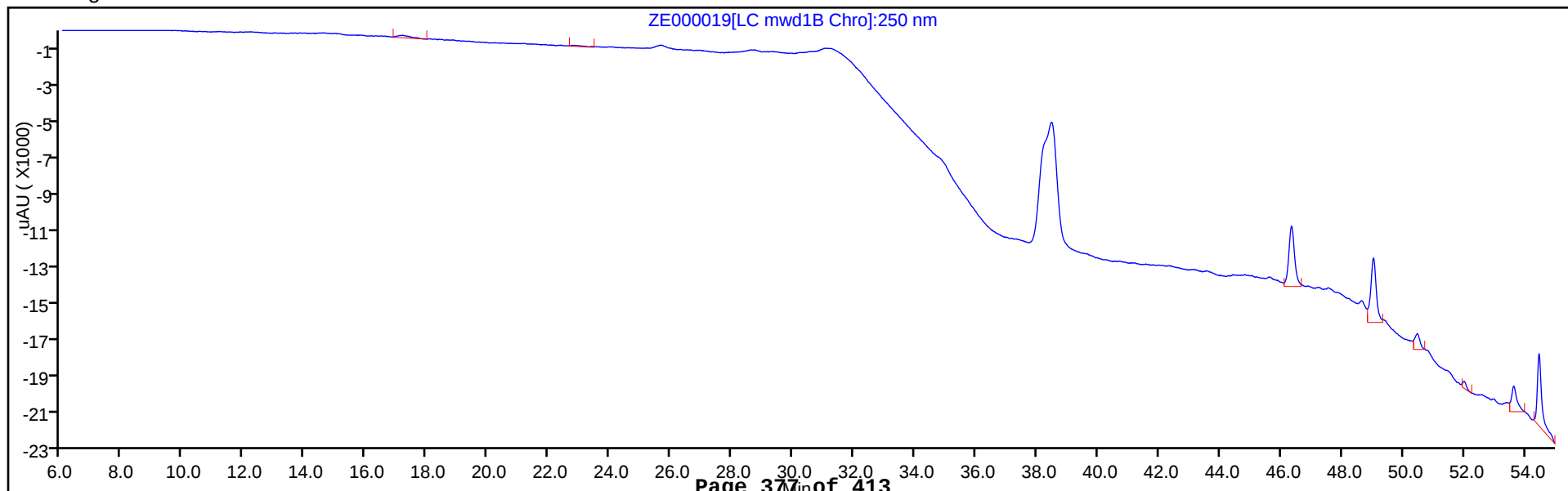
Column Type: Zorbax Cyano CN

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 320-17034/2-A
Matrix: Solid Lab File ID: ZD000011.D
Analysis Method: 8330B Date Collected: _____
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.00(g) Date Analyzed: 05/30/2013 17:19
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.967		0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	90		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000011.D
Lims ID: LCS 320-17034/2-A Client ID:
Inject. Date: 30-May-2013 17:19:53 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0004797-004
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 17382 Lims Sample ID: 4
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2	14.626	14.534	0.092	8499	120.9
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\$ 30 3,4-Dinitrotoluene

1	16.579	16.451	0.128	3233	56.5
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2	16.579	16.451	0.128	6278	58.6
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21 PETN

2	27.943	27.758	0.185	4529	115.1
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TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000011.D

Injection Date: 30-May-2013 17:19:53

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 4

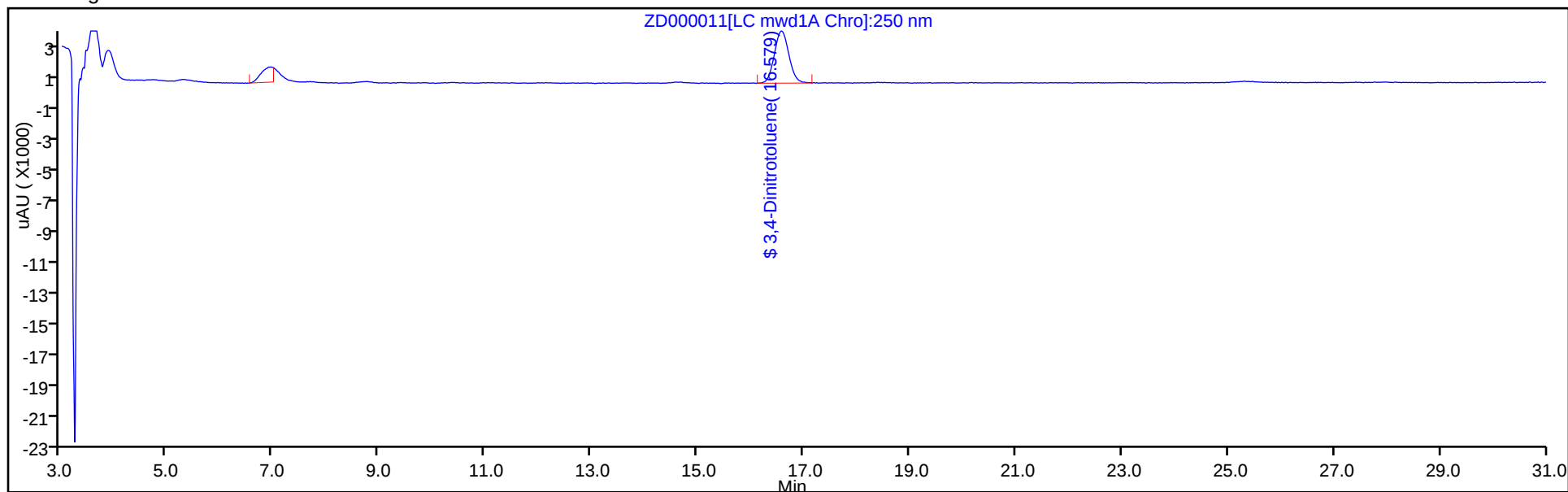
Operator ID: RN

Injection Vol: 500.0 ul

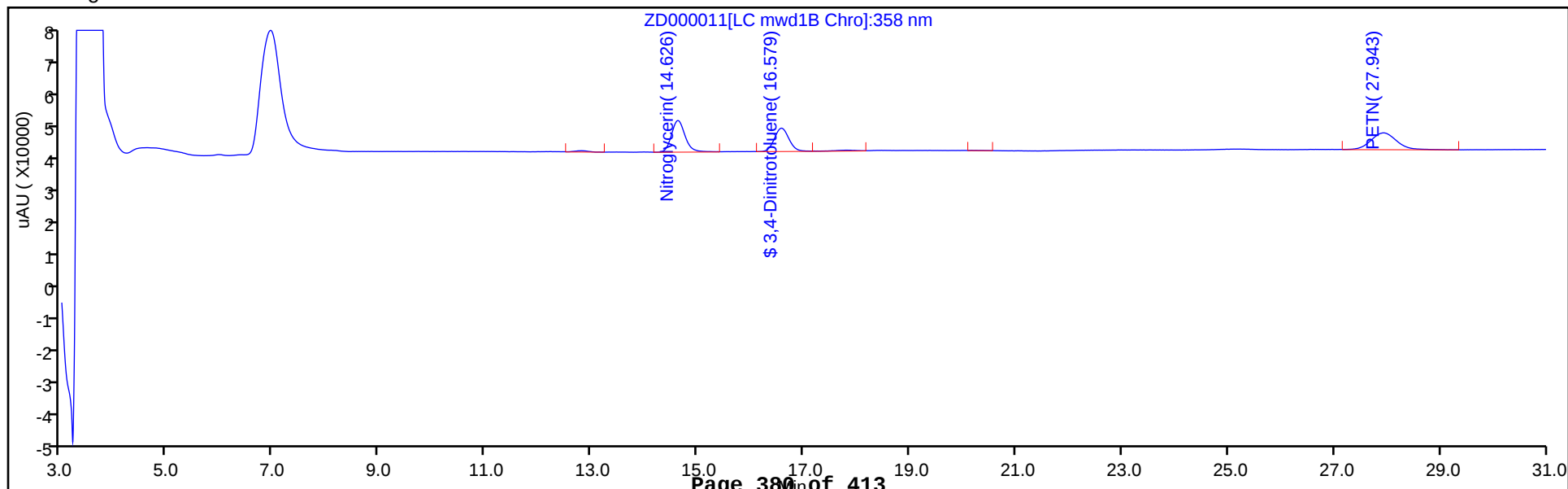
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 320-17047/2-A
Matrix: Solid Lab File ID: ZD000026.D
Analysis Method: 8330B Date Collected: _____
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.00(g) Date Analyzed: 05/31/2013 04:15
Con. Extract Vol.: 80(mL) Dilution Factor: 1
Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.961		0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	91		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000026.D
Lims ID: LCS 320-17047/2-A Client ID:
Inject. Date: 31-May-2013 04:15:39 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0004797-019
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 27
Lims Batch ID: 17382 Lims Sample ID: 19
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2	14.589	14.592	-0.003	8450	120.2	
---	--------	--------	--------	------	-------	--

\$ 30 3,4-Dinitrotoluene

1	16.532	16.525	0.007	3271	57.2	
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2	16.532	16.522	0.010	6267	58.5	
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21 PETN

2	27.815	27.812	0.003	4467	113.5	
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Report Date: 31-May-2013 07:15:29

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000026.D

Injection Date: 31-May-2013 04:15:39

Limit Group: LC 8330B ICAL

Client ID:

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 19

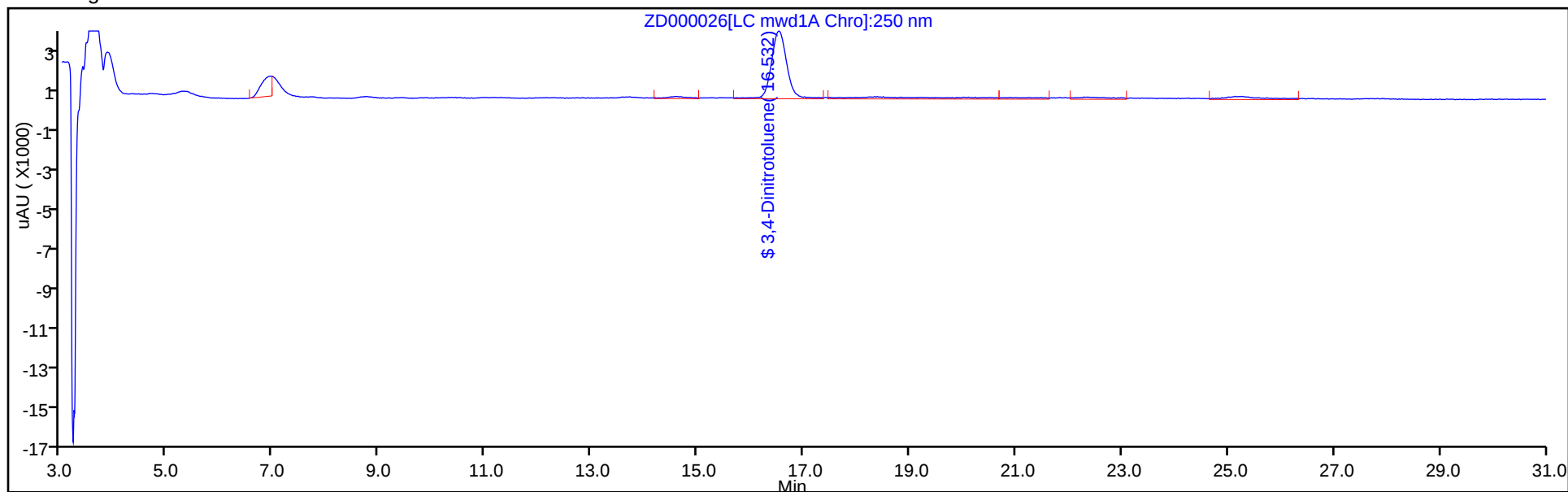
Operator ID: RN

Injection Vol: 500.0 ul

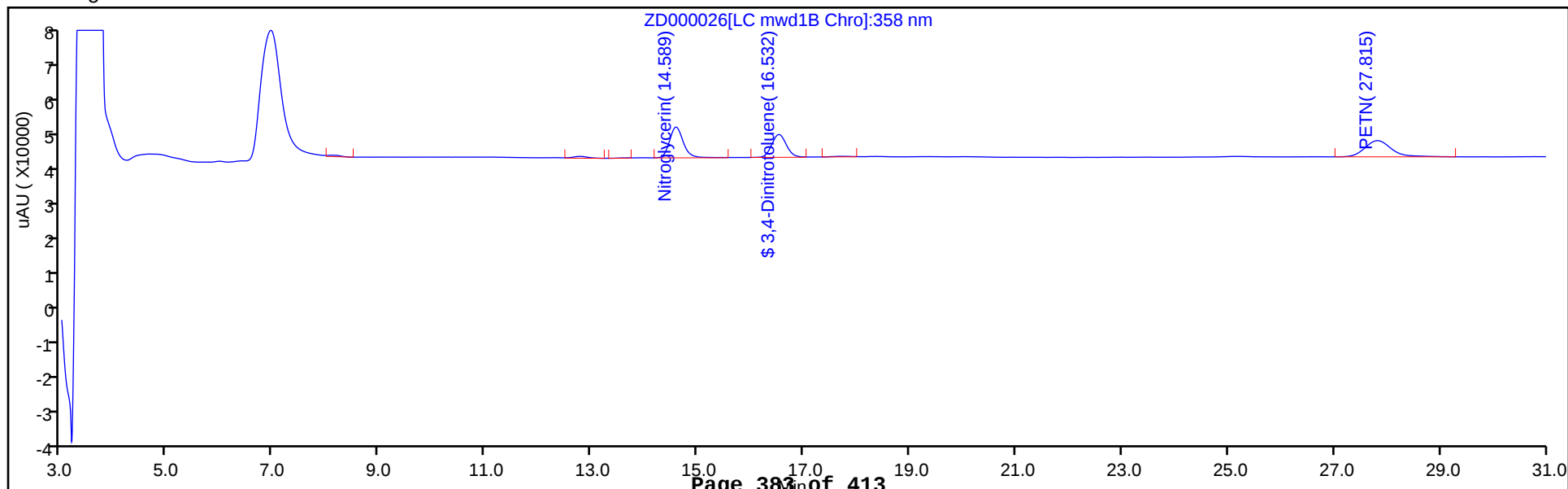
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0006M-0001,0002-SO Lab Sample ID: 240-22559-6 MS
Matrix: Solid Lab File ID: ZD000018.D
Analysis Method: 8330B Date Collected: 03/26/2013 11:05
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.05(g) Date Analyzed: 05/30/2013 22:25
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.971	H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	98		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000018.D
Lims ID: 240-22559-B-6-B MS Client ID: 078SB-0006M-0001,0002-SO
Inject. Date: 30-May-2013 22:25:53 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 320-0004797-011
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 20
Lims Batch ID: 17382 Lims Sample ID: 11
Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
Last Update: 31-May-2013 07:15:18 Calib Date: 19-Apr-2013 15:51:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:11:31

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin

2 14.502 14.534 -0.032 8579 122.0

\$ 30 3,4-Dinitrotoluene

1 16.412 16.451 -0.039 3521 61.5

2 16.406 16.451 -0.045 8233 76.8

21 PETN

2 27.672 27.758 -0.086 4564 116.0

Report Date: 31-May-2013 07:15:24

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000018.D

Injection Date: 30-May-2013 22:25:53

Limit Group: LC 8330B ICAL

Client ID: 078SB-0006M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 11

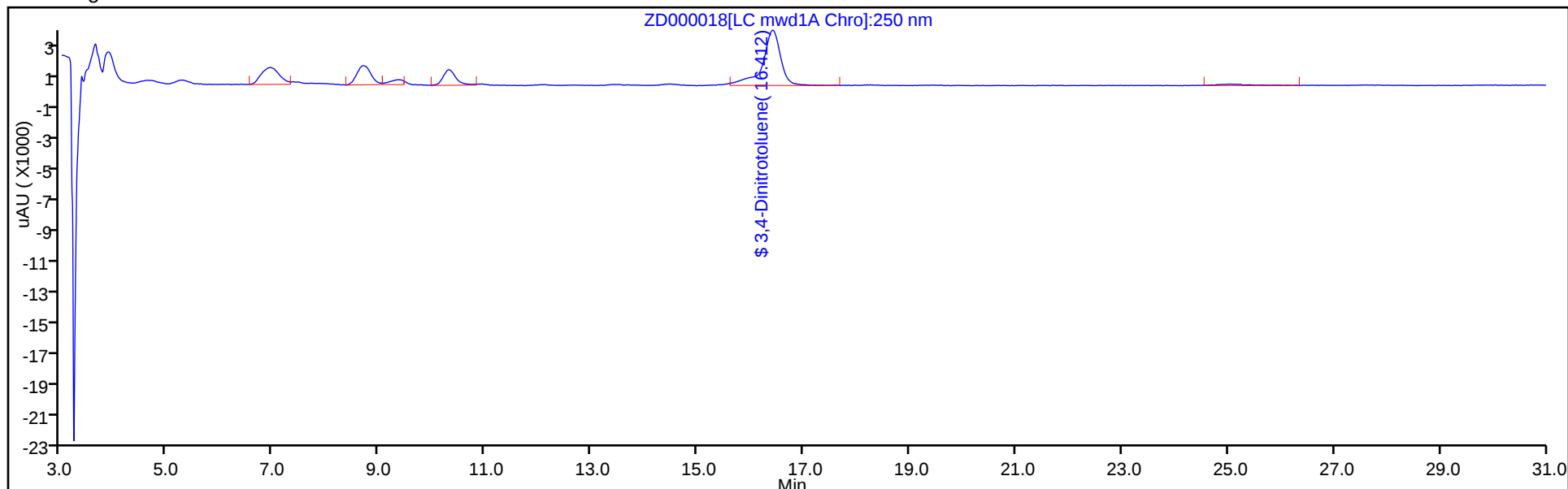
Operator ID: RN

Injection Vol: 500.0 ul

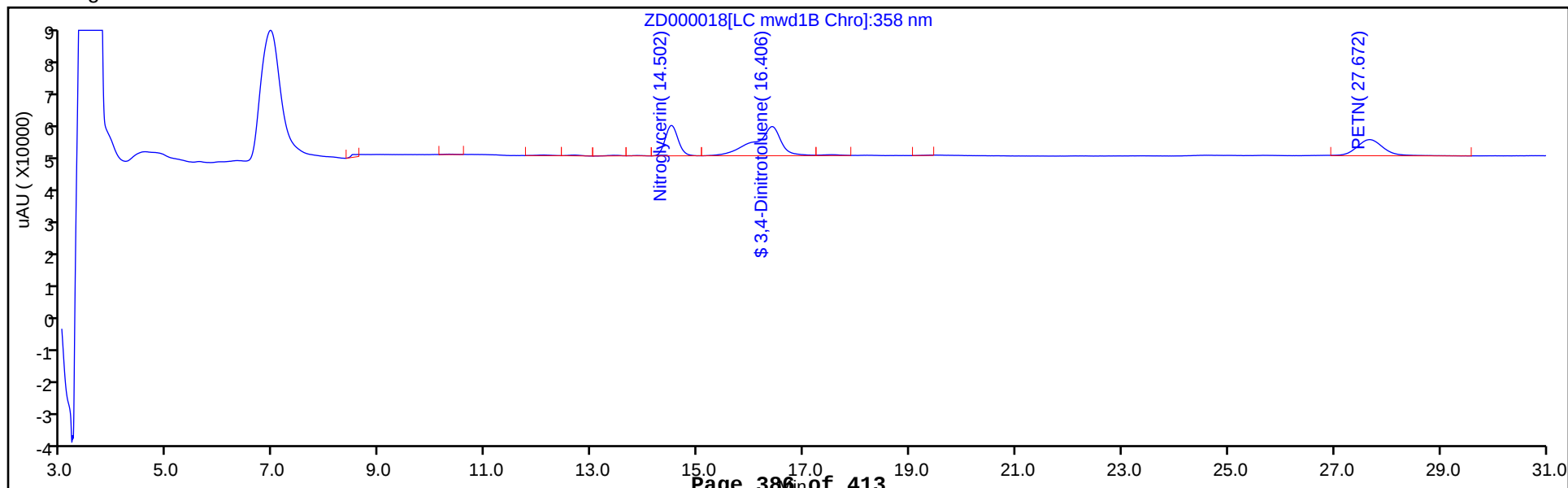
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0015M-0001,0002-SO Lab Sample ID: 240-22559-13 MS
Matrix: Solid Lab File ID: ZD000028.D
Analysis Method: 8330B Date Collected: 03/26/2013 16:13
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.07(g) Date Analyzed: 05/31/2013 05:43
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.949	H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	95		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000028.D
 Lims ID: 240-22559-B-13-B MS Client ID: 078SB-0015M-0001,0002-SO
 Inject. Date: 31-May-2013 05:43:04 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID: 320-0004797-021
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 29
 Lims Batch ID: 17382 Lims Sample ID: 21
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:14:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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7 Nitroglycerin
 2 14.648 14.592 0.056 8400 119.5
 \$ 30 3,4-Dinitrotoluene
 1 16.602 16.525 0.077 3401 59.4
 2 16.598 16.522 0.076 7516 70.1
 21 PETN
 2 28.022 27.812 0.210 4421 112.4

Report Date: 31-May-2013 07:15:31

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000028.D

Injection Date: 31-May-2013 05:43:04

Limit Group: LC 8330B ICAL

Client ID: 078SB-0015M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 21

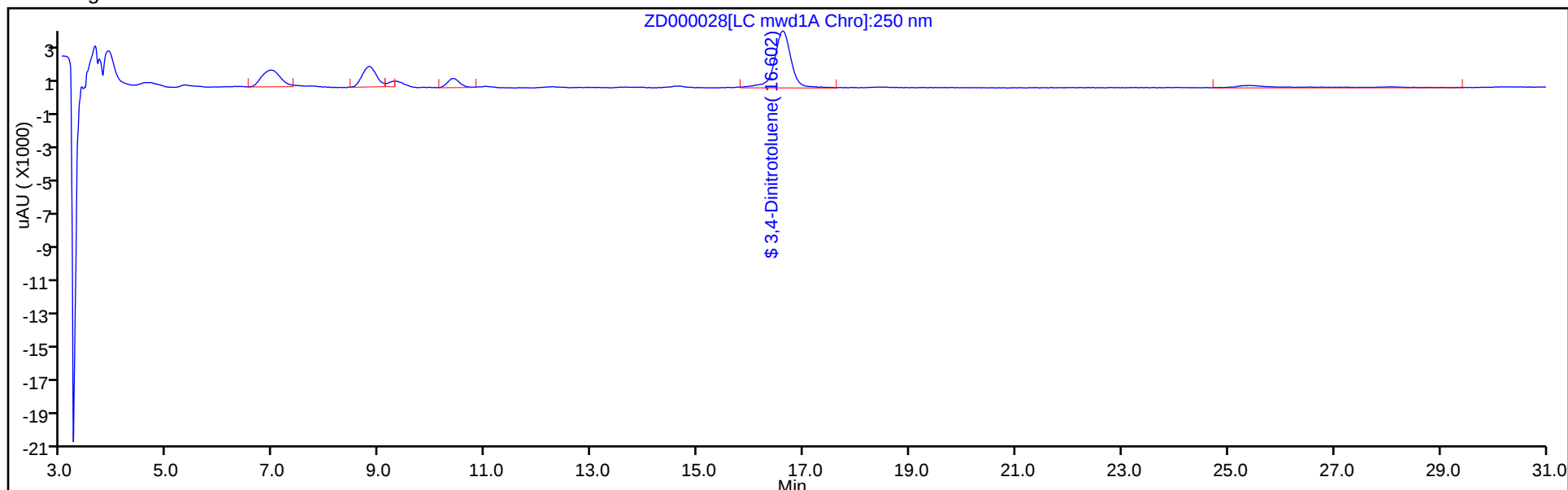
Operator ID: RN

Injection Vol: 500.0 ul

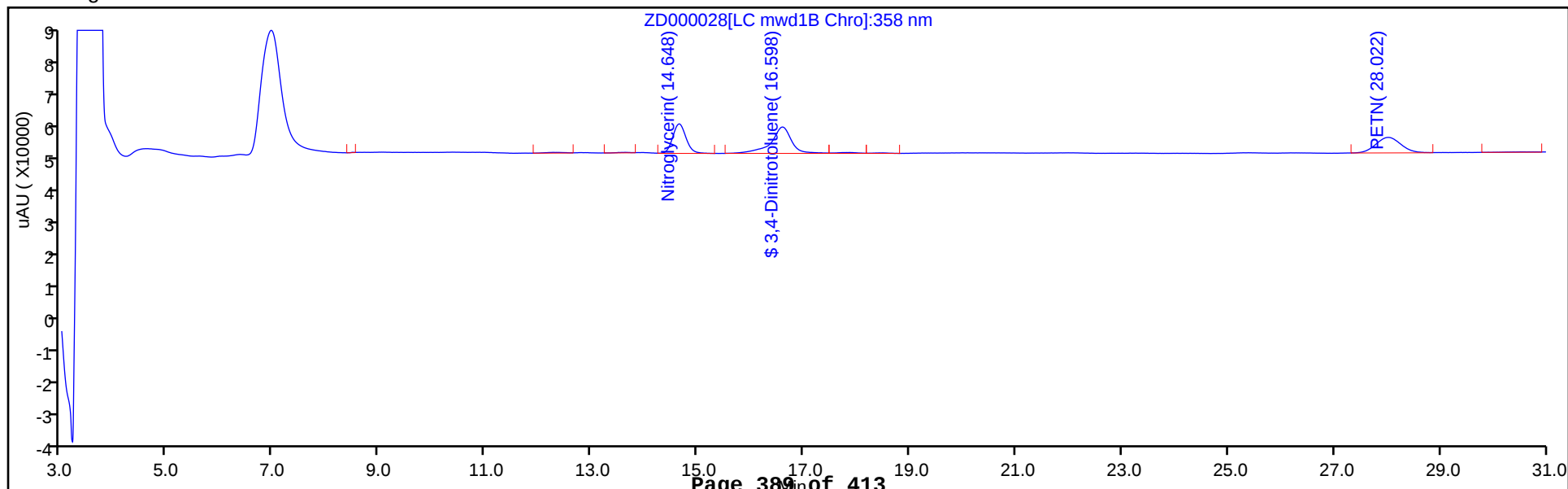
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0006M-0001,0002-SO Lab Sample ID: 240-22559-6 MSD
Matrix: Solid Lab File ID: ZD000020.D
Analysis Method: 8330B Date Collected: 03/26/2013 11:05
Extraction Method: 8330B Date Extracted: 05/24/2013 09:19
Sample wt/vol: 10.01(g) Date Analyzed: 05/30/2013 23:53
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	0.985	H	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	97		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000020.D
 Lims ID: 240-22559-A-6-D MSD Client ID: 078SB-0006M-0001,0002-SO
 Inject. Date: 30-May-2013 23:53:22 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 320-0004797-013
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 21
 Lims Batch ID: 17382 Lims Sample ID: 13
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 31-May-2013 07:15:25 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK010

First Level Reviewer: noonanr

Date: 31-May-2013 07:12:07

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX

1 5.238 5.195 0.043 310 2.47

7 Nitroglycerin

2 14.512 14.592 -0.080 8669 123.3

\$ 30 3,4-Dinitrotoluene

1 16.432 16.525 -0.093 3470 60.6

2 16.415 16.522 -0.107 7854 73.3

21 PETN

2 27.779 27.812 -0.033 4462 113.4

Report Date: 31-May-2013 07:15:26

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000020.D

Injection Date: 30-May-2013 23:53:22

Limit Group: LC 8330B ICAL

Client ID: 078SB-0006M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 13

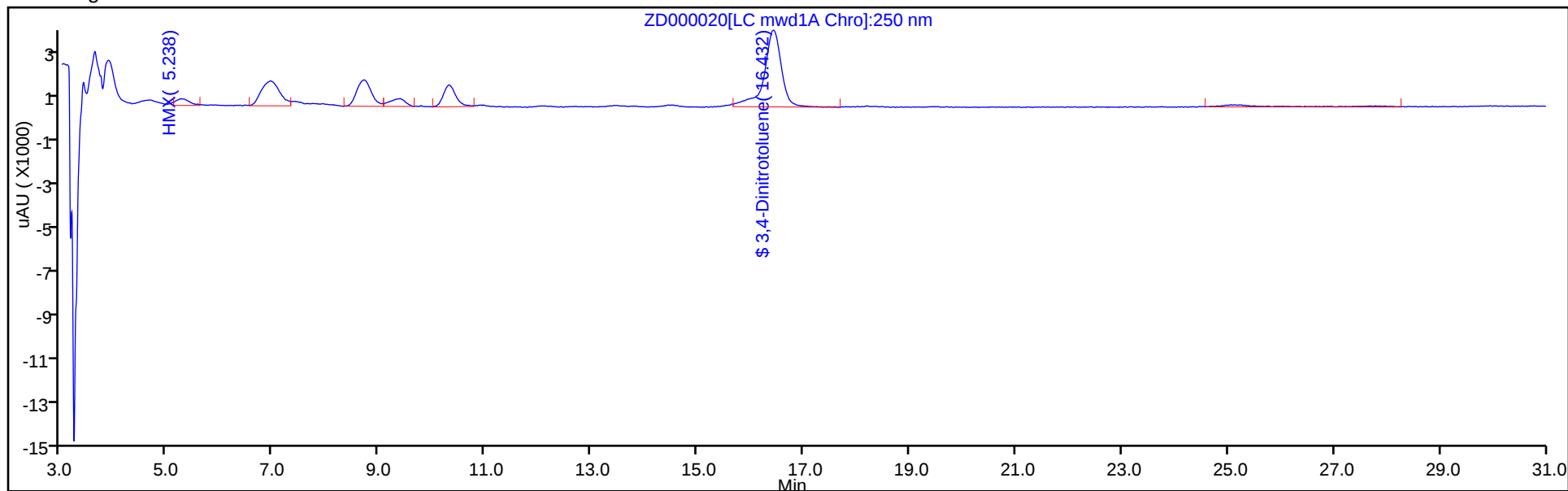
Operator ID: RN

Injection Vol: 500.0 ul

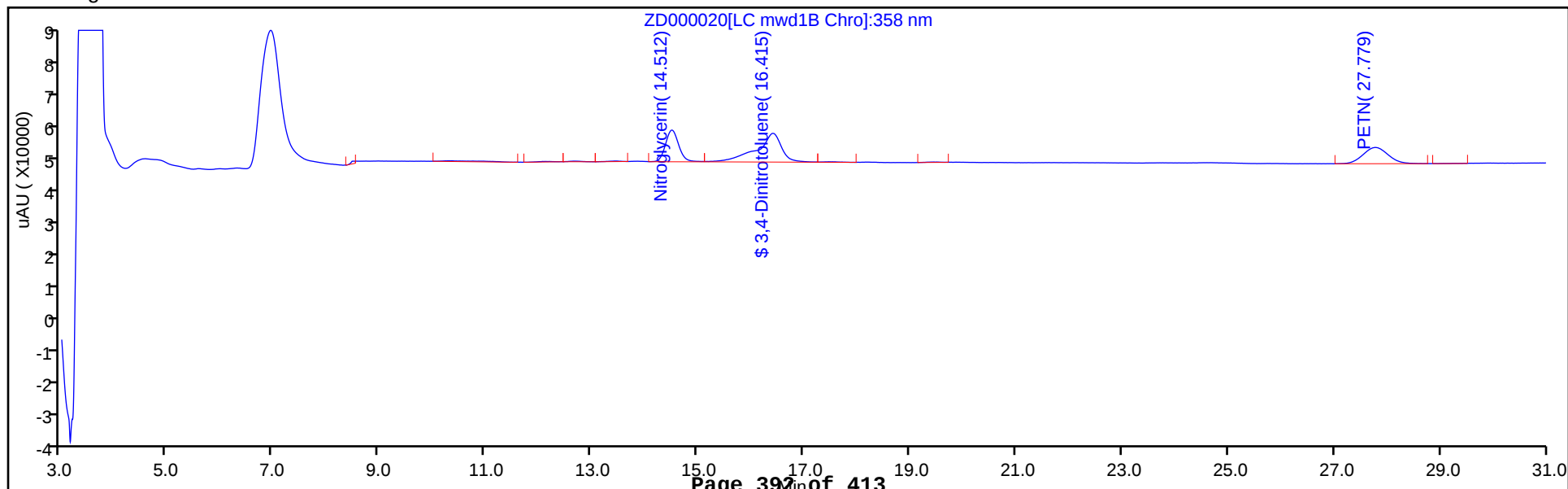
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2
SDG No.: _____
Client Sample ID: 078SB-0015M-0001,0002-SO Lab Sample ID: 240-22559-13 MSD
Matrix: Solid Lab File ID: ZD000029.D
Analysis Method: 8330B Date Collected: 03/26/2013 16:13
Extraction Method: 8330B Date Extracted: 05/24/2013 12:53
Sample wt/vol: 10.05(g) Date Analyzed: 05/31/2013 06:26
Con. Extract Vol.: 80 (mL) Dilution Factor: 1
Injection Volume: 500 (uL) GC Column: Synergi C18 ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 17382 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
55-63-0	Nitroglycerin	1.22	H J	0.50	0.25	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000029.D
 Lims ID: 240-22559-B-13-C MSD Client ID: 078SB-0015M-0001,0002-SO
 Inject. Date: 31-May-2013 06:26:46 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID: 320-0004797-022
 Misc. Info.:
 Operator: RN Instrument ID: LC10
 Injection Vol: 500.0 ul ALS Bottle#: 30
 Lims Batch ID: 17382 Lims Sample ID: 22
 Method: \\SACChrom\ChromData\LC10\20130530-4797.b\8330_LC10.m
 Last Update: 31-May-2013 07:15:53 Calib Date: 19-Apr-2013 15:51:00
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\SACChrom\ChromData\LC10\20130419-3998.b\S000010.D
 Limit Group: LC 8330B ICAL
 Integrator: Falcon
 Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
 Process Host: XAWRK010

First Level Reviewer: noonanr

Date:

31-May-2013 07:15:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
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11 HMX						
1	5.304	5.195	0.109	1033	8.23	
3 Ethylene glycol dinitrate						
2	8.137	8.125	0.012	14684	132.9	
24 1,3-Dinitrobenzene						
1	12.274	12.345	-0.071	316	1.95	
7 Nitroglycerin						
2	14.561	14.592	-0.031	10788	153.4	
\$ 30 3,4-Dinitrotoluene						
1	16.458	16.525	-0.067	3359	58.7	
2	16.451	16.522	-0.071	8472	79.1	
16 o-Nitrotoluene						
1	22.304	22.455	-0.151	574	13.5	
21 PETN						
2	27.724	27.812	-0.088	4448	113.0	

Report Date: 31-May-2013 07:15:53

Chrom Revision: 2.1 23-May-2013 20:52:58

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC10\20130530-4797.b\ZD000029.D

Injection Date: 31-May-2013 06:26:46

Limit Group: LC 8330B ICAL

Client ID: 078SB-0015M-0001,0002-SO

Instrument ID: LC10

Lims Batch ID: 17382

Lims Sample ID: 22

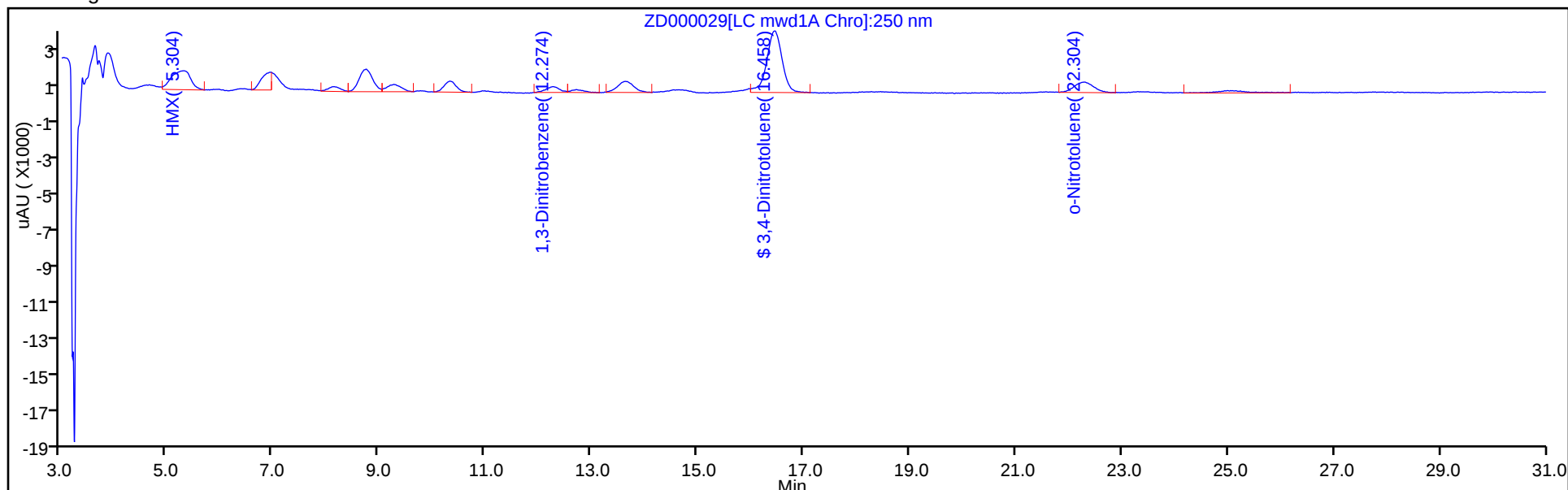
Operator ID: RN

Injection Vol: 500.0 ul

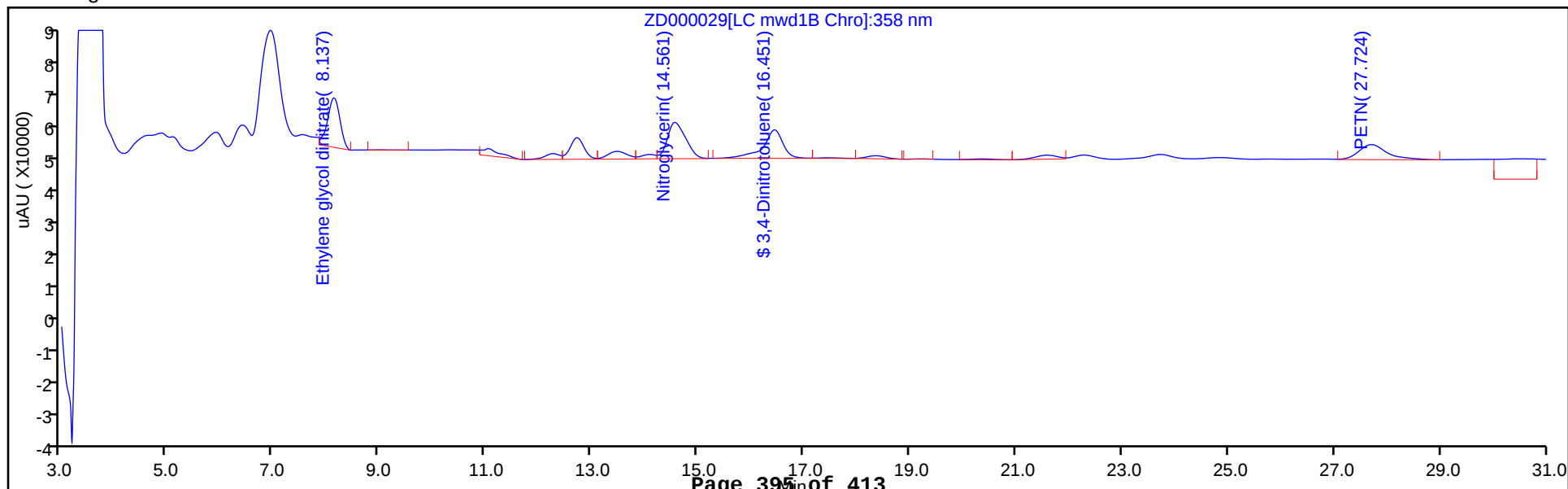
Column Type: Synergi Hydro-RP C18

Column Dia: 4.60 mm

Y Scaling:



Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC10 Start Date: 04/19/2013 10:01Analysis Batch Number: 14686 End Date: 04/19/2013 18:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/19/2013 10:01	1		Synergi C18 4.6 (mm)
STD01 320-14686/2 IC		04/19/2013 10:45	1	S000003.D	Synergi C18 4.6 (mm)
STD02 320-14686/3 IC		04/19/2013 11:29	1	S000004.D	Synergi C18 4.6 (mm)
STD03 320-14686/4 IC		04/19/2013 12:12	1	S000005.D	Synergi C18 4.6 (mm)
STD04 320-14686/5 IC		04/19/2013 12:56	1	S000006.D	Synergi C18 4.6 (mm)
STD05 320-14686/6 IC		04/19/2013 13:40	1	S000007.D	Synergi C18 4.6 (mm)
ICRT 320-14686/7		04/19/2013 14:23	1	S000008.D	Synergi C18 4.6 (mm)
STD07 320-14686/8 IC		04/19/2013 15:07	1	S000009.D	Synergi C18 4.6 (mm)
STD08 320-14686/9 IC		04/19/2013 15:51	1	S000010.D	Synergi C18 4.6 (mm)
ZZZZZ		04/19/2013 16:34	1		Synergi C18 4.6 (mm)
ICV 320-14686/11		04/19/2013 17:18	1	S000012.D	Synergi C18 4.6 (mm)
LODV 320-14686/12		04/19/2013 18:02	1	S000013.D	Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica SacramentoJob No.: 240-22559-2

SDG No.: _____

Instrument ID: LC10Start Date: 05/30/2013 15:08Analysis Batch Number: 17382End Date: 06/02/2013 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVL 320-17382/1		05/30/2013 15:08	1	ZD000008.D	Synergi C18 4.6 (mm)
CCV 320-17382/2 CCVRT		05/30/2013 15:52	1	ZD000009.D	Synergi C18 4.6 (mm)
MB 320-17034/1-A		05/30/2013 16:36	1	ZD000010.D	Synergi C18 4.6 (mm)
LCS 320-17034/2-A		05/30/2013 17:19	1	ZD000011.D	
240-22559-1	078SS-0210M-0001-SO	05/30/2013 18:03	1	ZD000012.D	
240-22559-2	078SS-0002M-0001-SO	05/30/2013 18:47	1	ZD000013.D	
240-22559-3	078SS-0003M-0001-SO	05/30/2013 19:31	1	ZD000014.D	
240-22559-4	078SB-0004M-0001-SO	05/30/2013 20:14	1	ZD000015.D	
240-22559-5	078SB-0005M-0001-SO	05/30/2013 20:58	1	ZD000016.D	
240-22559-6	078SB-0006M-0001,0002 -SO	05/30/2013 21:42	1	ZD000017.D	Synergi C18 4.6 (mm)
240-22559-6 MS	078SB-0006M-0001,0002 -SO MS	05/30/2013 22:25	1	ZD000018.D	Synergi C18 4.6 (mm)
CCV 320-17382/12 CCVRT		05/30/2013 23:09	1	ZD000019.D	Synergi C18 4.6 (mm)
240-22559-6 MSD	078SB-0006M-0001,0002 -SO MSD	05/30/2013 23:53	1	ZD000020.D	Synergi C18 4.6 (mm)
240-22559-8	078SB-0008M-0001-SO	05/31/2013 00:37	1	ZD000021.D	
240-22559-10	078SB-0009M-0001-SO	05/31/2013 01:20	1	ZD000022.D	
240-22559-11	078SB-0011M-0001-SO	05/31/2013 02:04	1	ZD000023.D	
240-22559-12	078SB-0012M-0001-SO	05/31/2013 02:48	1	ZD000024.D	
MB 320-17047/1-A		05/31/2013 03:31	1	ZD000025.D	Synergi C18 4.6 (mm)
LCS 320-17047/2-A		05/31/2013 04:15	1	ZD000026.D	
240-22559-13	078SB-0015M-0001,0002 -SO	05/31/2013 04:59	1	ZD000027.D	Synergi C18 4.6 (mm)
240-22559-13 MS	078SB-0015M-0001,0002 -SO MS	05/31/2013 05:43	1	ZD000028.D	Synergi C18 4.6 (mm)
240-22559-13 MSD	078SB-0015M-0001,0002 -SO MSD	05/31/2013 06:26	1	ZD000029.D	Synergi C18 4.6 (mm)
CCV 320-17382/23 CCVRT		05/31/2013 07:10	1	ZD000030.D	Synergi C18 4.6 (mm)
240-22559-15	078SB-0017M-0001-SO	05/31/2013 07:54	1	ZD000031.D	
240-22559-16	078SB-0018M-0001-SO	05/31/2013 08:37	1	ZD000032.D	
240-22559-17	078SB-0020M-0001-SO	05/31/2013 09:21	1	ZD000033.D	
240-22559-18	078SB-0021M-0001-SO	05/31/2013 10:05	1	ZD000034.D	
240-22559-19	078SB-0013M-0001-SO	05/31/2013 10:49	1	ZD000035.D	
240-22559-23	078SB-0025M-0001-SO	05/31/2013 12:16	1	ZD000037.D	
240-22559-24	078SB-0026M-0001-SO	05/31/2013 13:00	1	ZD000038.D	
240-22559-25	078SB-0033-0001-SO	05/31/2013 13:44	1	ZD000039.D	
240-22559-27	078SB-0030M-0001-SO	05/31/2013 14:28	1	ZD000040.D	
CCV 320-17382/34 CCVRT		05/31/2013 15:11	1	ZD000041.D	Synergi C18 4.6 (mm)
240-22559-28	078SB-0031M-0001-SO	05/31/2013 15:55	1	ZD000042.D	
240-22559-29	078SB-0032M-0001-SO	05/31/2013 16:39	1	ZD000043.D	
240-22559-31	078SB-0024M-0001-SO	05/31/2013 17:22	1	ZD000044.D	
240-22559-22	078SB-0023M-0001-SO	05/31/2013 18:06	1	ZD000045.D	
CCV 320-17382/43 CCVRT		05/31/2013 22:29	1	ZD000051.D	Synergi C18 4.6 (mm)
CCVL 320-17382/44		05/31/2013 23:13	1	ZD000052.D	Synergi C18 4.6 (mm)
CCV 320-17382/66 CCVRT		06/01/2013 15:15	1		Synergi C18 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC10 Start Date: 05/30/2013 15:08Analysis Batch Number: 17382 End Date: 06/02/2013 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-17382/71 CCVRT		06/01/2013 23:16	1		Synergi C18 4.6(mm)
CCV 320-17382/89 CCVRT		06/02/2013 07:17	1		Synergi C18 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC12 Start Date: 02/13/2013 16:11Analysis Batch Number: 10422 End Date: 02/14/2013 04:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/13/2013 16:11	1		Zorbax CN 4.6 (mm)
STD01 320-10422/2 IC		02/13/2013 17:16	1	M000003.D	Zorbax CN 4.6 (mm)
STD02 320-10422/3 IC		02/13/2013 18:22	1	M000004.D	Zorbax CN 4.6 (mm)
STD03 320-10422/4 IC		02/13/2013 19:27	1	M000005.D	Zorbax CN 4.6 (mm)
STD04 320-10422/5 IC		02/13/2013 20:32	1	M000006.D	Zorbax CN 4.6 (mm)
STD05 320-10422/6 IC		02/13/2013 21:38	1	M000007.D	Zorbax CN 4.6 (mm)
STD06 320-10422/7 IC		02/13/2013 22:43	1	M000008.D	Zorbax CN 4.6 (mm)
STD07 320-10422/8 IC		02/13/2013 23:49	1	M000009.D	Zorbax CN 4.6 (mm)
STD08 320-10422/9 IC		02/14/2013 00:54	1	M000010.D	Zorbax CN 4.6 (mm)
ZZZZZ		02/14/2013 02:00	1		Zorbax CN 4.6 (mm)
ICV 320-10422/11		02/14/2013 03:05	1	M000012.D	Zorbax CN 4.6 (mm)
LODV 320-10422/12		02/14/2013 04:11	1	M000013.D	Zorbax CN 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Instrument ID: LC12 Start Date: 05/31/2013 12:32Analysis Batch Number: 17433 End Date: 06/01/2013 17:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 320-17433/3 CCVRT		05/31/2013 12:32	1		Zorbax CN 4.6 (mm)
CCV 320-17433/45 CCVRT		05/31/2013 22:28	1	ZE000012.D	Zorbax CN 4.6 (mm)
CCVL 320-17433/12		05/31/2013 23:35	1	ZE000013.D	Zorbax CN 4.6 (mm)
MB 320-17034/1-A		06/01/2013 00:41	1	ZE000014.D	Zorbax CN 4.6 (mm)
240-22559-1	078SS-0210M-0001-SO	06/01/2013 01:47	1	ZE000015.D	Zorbax CN 4.6 (mm)
240-22559-3	078SS-0003M-0001-SO	06/01/2013 02:53	1	ZE000016.D	Zorbax CN 4.6 (mm)
240-22559-11	078SB-0011M-0001-SO	06/01/2013 04:00	1	ZE000017.D	Zorbax CN 4.6 (mm)
240-22559-12	078SB-0012M-0001-SO	06/01/2013 05:06	1	ZE000018.D	Zorbax CN 4.6 (mm)
MB 320-17047/1-A		06/01/2013 06:13	1	ZE000019.D	Zorbax CN 4.6 (mm)
240-22559-24	078SB-0026M-0001-SO	06/01/2013 08:26	1	ZE000021.D	Zorbax CN 4.6 (mm)
CCV 320-17433/46 CCVRT		06/01/2013 10:39	1	ZE000023.D	Zorbax CN 4.6 (mm)
240-22559-27	078SB-0030M-0001-SO	06/01/2013 11:46	1	ZE000024.D	Zorbax CN 4.6 (mm)
CCV 320-17433/47 CCVRT		06/01/2013 16:11	1	ZE000028.D	Zorbax CN 4.6 (mm)
CCVL 320-17433/48		06/01/2013 17:17	1	ZE000029.D	Zorbax CN 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Batch Number: 17034 Batch Start Date: 05/24/13 09:19 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 05/29/13 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00013	HPNGPETNSP 00006		
MB 320-17034/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-17034/2		8330B, 8330B		10.00 g	80 mL	100 uL	200 uL		
240-22559-F-1	078SS-0210M-0001 -SO	8330B, 8330B	T	10.06 g	80 mL	100 uL			
240-22559-F-2	078SS-0002M-0001 -SO	8330B, 8330B	T	10.04 g	80 mL	100 uL			
240-22559-F-3	078SS-0003M-0001 -SO	8330B, 8330B	T	10.01 g	80 mL	100 uL			
240-22559-C-4	078SB-0004M-0001 -SO	8330B, 8330B	T	10.06 g	80 mL	100 uL			
240-22559-C-5	078SB-0005M-0001 -SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			
240-22559-Q-6	078SB-0006M-0001 ,0002-SO	8330B, 8330B	T	10.04 g	80 mL	100 uL			
240-22559-B-6 MS	078SB-0006M-0001 ,0002-SO	8330B, 8330B	T	10.05 g	80 mL	100 uL	200 uL		
240-22559-A-6 MSD	078SB-0006M-0001 ,0002-SO	8330B, 8330B	T	10.01 g	80 mL	100 uL	200 uL		
240-22559-F-8	078SB-0008M-0001 -SO	8330B, 8330B	T	10.01 g	80 mL	100 uL			
240-22559-F-10	078SB-0009M-0001 -SO	8330B, 8330B	T	10.10 g	80 mL	100 uL			
240-22559-F-11	078SB-0011M-0001 -SO	8330B, 8330B	T	10.07 g	80 mL	100 uL			
240-22559-F-12	078SB-0012M-0001 -SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Batch Number: 17034 Batch Start Date: 05/24/13 09:19 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 05/29/13 11:00

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-031C
Person's name who did the concentration	TP
Date of Clean up	5/29/13
Analyst performed Clean Up	TP
Date Dilution Performed	5/29/13
Analytst performing Dilution	TP
Filter Lot #	R3AA91590
Filter Type	.45um Millipore
Minumum Temperature	10
Prep Solvent Volume Used	20 mL
Person's name who witnessed reagent drop	AM
Blank Sand Lot #	FISHER 120571
Solvent Lot #	4515-031B
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	5-24-13
Sonication Stop Time	5-25-13
SOP Number	WS-LC-0009
Maximum Temperature	25

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Batch Number: 17047 Batch Start Date: 05/24/13 12:53 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 05/30/13 07:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00013	HPNGPETNSP 00006		
MB 320-17047/1		8330B, 8330B		10.00 g	80 mL	100 uL			
LCS 320-17047/2		8330B, 8330B		10.00 g	80 mL	100 uL	200 uL		
240-22559-P-13	078SB-0015M-0001 ,0002-SO	8330B, 8330B	T	10.01 g	80 mL	100 uL			
240-22559-B-13 MS	078SB-0015M-0001 ,0002-SO	8330B, 8330B	T	10.07 g	80 mL	100 uL	200 uL		
240-22559-B-13 MSD	078SB-0015M-0001 ,0002-SO	8330B, 8330B	T	10.05 g	80 mL	100 uL	200 uL		
240-22559-F-15	078SB-0017M-0001 -SO	8330B, 8330B	T	10.01 g	80 mL	100 uL			
240-22559-F-16	078SB-0018M-0001 -SO	8330B, 8330B	T	10.08 g	80 mL	100 uL			
240-22559-F-17	078SB-0020M-0001 -SO	8330B, 8330B	T	10.06 g	80 mL	100 uL			
240-22559-F-18	078SB-0021M-0001 -SO	8330B, 8330B	T	10.00 g	80 mL	100 uL			
240-22559-C-19	078SB-0013M-0001 -SO	8330B, 8330B	T	10.03 g	80 mL	100 uL			
240-22559-C-22	078SB-0023M-0001 -SO	8330B, 8330B	T	10.07 g	80 mL	100 uL			
240-22559-F-23	078SB-0025M-0001 -SO	8330B, 8330B	T	10.02 g	80 mL	100 uL			
240-22559-F-24	078SB-0026M-0001 -SO	8330B, 8330B	T	10.01 g	80 mL	100 uL			
240-22559-F-25	078SB-0033-0001- SO	8330B, 8330B	T	10.08 g	80 mL	100 uL			
240-22559-F-27	078SB-0030M-0001 -SO	8330B, 8330B	T	9.99 g	80 mL	100 uL			
240-22559-F-28	078SB-0031M-0001 -SO	8330B, 8330B	T	10.05 g	80 mL	100 uL			
240-22559-F-29	078SB-0032M-0001 -SO	8330B, 8330B	T	10.05 g	80 mL	100 uL			
240-22559-C-31	078SB-0024M-0001 -SO	8330B, 8330B	T	10.02 g	80 mL	100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-22559-2

SDG No.: _____

Batch Number: 17047 Batch Start Date: 05/24/13 12:53 Batch Analyst: Arauz, HoracioBatch Method: 8330B Batch End Date: 05/30/13 07:00

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	4515-031C
Person's name who did the concentration	TP
Date of Clean up	5/30/13
Analyst performed Clean Up	TP
Date Dilution Performed	5/30/13
Analytst performing Dilution	TP
Filter Lot #	R3AA91590
Filter Type	.45um Millipore
Minumum Temperature	10
Prep Solvent Volume Used	20 mL
Person's name who witnessed reagent drop	AM
Blank Sand Lot #	FISHER 120571
Solvent Lot #	4515-031B
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	5-24-13 14:30
Sonication Stop Time	5-25-13 4:30
SOP Number	WS-LC-0009
Maximum Temperature	25

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TAL-4142 (0408)

Client **PCU** Project Manager **A. Gorman** Chain of Custody Number **008859**

Address **33 Boston Post Rd West** Telephone Number (Area Code)/Fax Number **781-21-13** Lab Number **1** of **3**

City **MALDEN** State **MA** Zip Code **02152** Site Contact **J. Dwyer** Lab Contact **MARK ISO**

Project Name and Location (State) **MALDEN** Carrier/Maybill Number **LAB PICK UP**

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)					Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	Water	HNO3	HCl	NaOH	ZnAc	NaOH	PCB	EXTRACTS	RESIDUALS	
0785J-0210M-0001-50	3-26-13	0940				X	X							X	X	X	
0785J-0002M-0001-50		1251												X	X	X	
0785J-0003M-0001-50		1338												X	X	X	
0785J-0004M-0001-50		1156												X	X	X	NO VOC
0785J-0005M-0001-50		1159												X	X	X	
0785J-0006M-0002-50		1105												X	X	X	MS/MSO
0785J-0006M-0001-50		1105												X	X	X	
0785J-0007M-0001-50		1049												X	X	X	FULL SUITE
0785J-0008M-0001-50		1006												X	X	X	4-2-13-13-13-13
0785J-0009M-0001-50	3-27-13	0856												X	X	X	4-2-13-13-13-13
0785J-0009M-0001-50	3-26-13	1006												X	X	X	
0785J-0011M-0001-50		1201												X	X	X	

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

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

QC Requirements (Specify)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other **STANDARD**

1. Relinquished By **RE Ann** Date **3-27-13** Time **1715**

2. Relinquished By **RE Ann** Date **3-27-13** Time **1808**

3. Relinquished By _____ Date _____ Time _____

Comments

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Chain of Custody Record

TAL-4142 (0408)

Client: **KECC** Project Manager: **A. EASTMAN** Chain of Custody Number: **008861**
Address: **33 Boston Post Rd West** Telephone Number (Area Code)/Fax Number: **3-272-13** Date: **3-27-13**
City: **MALDEN** State: **MA** Zip Code: **01752** Lab Number: **3** of **3**
Project Name and Location (State): **MAINE** Site Contact: **J. Donovan** Lab Contact: **Mark Long**
Contract/Purchase Order/Quote No.: **NAVENA** Carrier/Waybill Number: **LAG pick up**

City	State	Zip Code	Site/Contact	Lab Contact	Special Instructions/ Conditions of Receipt															
MANLY, MO	MO	64752	J. Donovan	MARK LONG																
Project Name and Location (State) NAVENNA																				
Contract/Purchase Order/Quote No.					Analysis (Attach list if more space is needed)															
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives														
			Air	Aqueous			Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH						
0785B-0023M-0001-50	3-26-13	1537				X														NO VOL
0785B-0025M-0001-50		1238																		NO VOL
0785B-0026M-0001-50		1238																		
0785B-0027-0001-50		1242																		DISCARD 7-13
0033																				
0785B-0028M-0001-50		1324																		REUSE WITH
0785B-0030M-0001-50		1440																		
0785B-0031M-0001-50		1505																		
0785B-0032M-0001-50		1538																		
0785B-0034-0001-50	3-27-13	0910																		4-7 DISCARD
0785B-0029M-0001-50	3-26-13	1537																		ALLAN LIRON
0785B-0024M-0001-50	↓	1538																		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify):
Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other: **STANDARD**
1. Relinquished By: **John Doe** Date: **3-27-13** Time: **1715**
2. Relinquished By: **KECC** Date: **3-27-13** Time: **1808**
3. Relinquished By: _____ Date: _____ Time: _____

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 22559

Client ECC Site Name _____ By: Michael Hoon
Cooler Received on 3-27-13 Opened on 3-28-13 (Signature)
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 4G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 5G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 8 (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple
on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 0 Yes No
-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
-Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM MSJ Date 3/28/13 by CSL via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

078SB-0024m-0001-50 No VOC received.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO₃; Sulfuric Acid Lot# 051012-H₂SO₄; Sodium Hydroxide Lot# 121809-NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

SOP: NC-SC-0005, Sample Receiving

C:\Users\lvengood\AppData\Local\Microsoft\Windows\Temporary Internet Files\OLKDI6\COOLER_TestAmerica_Rev 88_110712.rls.doc

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Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Login Number: 22559
List Number: 1
Creator: Sadler, Jeremy

List Source: TestAmerica Sacramento
List Creation: 04/02/13 11:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22559-2

Login Number: 22559

List Number: 3

Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento

List Creation: 05/23/13 04:41 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	