Southeast
ACCUTEST.
Laboratories

08/26/04

Technical Report for

ENSR

Former Camp Butner

09090-068

Accutest Job Number: F26071

Sampling Date: 08/10/04

Report to:

ENSR
2 Technology park Drive
Westford, MA 01886

ATTN: Debra McGarth

Total number of pages in report: 166

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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SECTION 3

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: ENSR **Job No:** F26071

Site: Former Camp Butner **Report Date:** 8/26/2004 3:34:01 PM

6 Samples were collected on 08/10/2004 and were received at Accutest on 08/13/2004 properly preserved, at 4 Deg. C and intact. These Samples received an Accutest job number of F26071. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8330A

Matrix: AQ **Batch ID:** OP11137

All samples were analyzed within the recommended method holding time.

Samples F26071-3MS, F26071-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were extracted outside of holding time for method SW846 8330A: F26071-1, F26071-2, F26071-3, F26071-4, F26071-5, F26071-6

F26071-6: Sample extracted beyond hold time.

F26071-5: Sample extracted beyond hold time.

F26071-4: Sample extracted beyond hold time.

F26071-3: Sample extracted beyond hold time.

F26071-1: Sample extracted beyond hold time.

F26071-2: Sample extracted beyond hold time.

Extractables by GC By Method SW846 8332

Matrix: AQ **Batch ID:** OP11138

All samples were analyzed within the recommended method holding time.

Samples F26071-6MS, F26071-6MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F26071-6: Sample extracted beyond hold time.

F26071-2: Sample extracted beyond hold time.

F26071-3: Sample extracted beyond hold time.

F26071-4: Sample extracted beyond hold time.

F26071-5: Sample extracted beyond hold time.

F26071-1: Sample extracted beyond hold time.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: Aug 26, 2004

Ellen Pampel, Inorganic QA (signature on file)

Thursday, August 26, 2004

SECTION 4

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: FZ6071

Client: Z Technology Park Drive **Project:** Former Camp Butner

Date Received: 8/13/04 **Time Received:** 9:00

# of Coolers Received: 2 **Cooler Temperatures:** 4.0 3.2

Delivery Method: (FedEx) UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	Yes	(No)	
Trip Blank on COC ?	Yes	(No)	
Trip Blank Intact ?	Yes	No	(N/A)
Trip Blank Matrix ?	Soil	Water	(N/A)
Number of Encores ?	Ø		
Number of Soil Field Kits ?	Ø		

Summary of Comments:

Signature: [signature] **Date:** 8/13/04

Review Signature:

ASBD/HW 05/11/03

0006

SECTION 5

GW

FZ6071

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: ~~174770~~ 174646

Accutest Quote #:

8000

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Former Camp Butner
Project Name:
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin / 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-CampBarham	8/10/04	0905	JB	GW	2					X	X										
RW0804-CampBarham			JB	GW	2					X		X									
RW0804-CampBarham			JB	GW	2					X			X								
RW0804-CampBarham			JB	GW	3					X				X							
RW0804-CampBarham		0900	JB	GW	1					X					X						
RW0804-CampBarham			JB	GW	1			X								X					
RW0804-CampBarham			JB	GW	1			X									X				
RW0804-CampBarham			JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days EMERGENCY
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

EX89
AMES
WC20
ALSE
SUB
2036

• Batched p.e.mail; Batch closed. @ 8/16/04

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/10/04 1730	1 FedX	2 FedX	8/11/04 0950	2 [signature]
Relinquished by Sampler: 3	8/12/04 1700	Received By: 3 FedX	Relinquished By: 4 FX	Date Time: 9:00 8/13/04	Received By: 4 [signature]
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 702 intact	Preserved where applica	On Ice: 4.6

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: ~~47477~~ 47476
Accutest Quote #:

6000

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A
RW0804-4051-RangeRd	8/10/04	1300	JB	GW	2					X	X							
RW0804-4051-RangeRd		1300	JB	GW	2					X		X						
RW0804-4051-RangeRd		1300	JB	GW	2					X			X					
2 RW0804-4051-RangeRd		1300	JB	GW	3					X				X				
RW0804-4051-RangeRd		1300	JB	GW	1					X					X			
RW0804-4051-RangeRd		1300	JB	GW	1			X								X		
RW0804-4051-RangeRd		1300	JB	GW	1			X									X	
RW0804-4051-RangeRd		1300	JB	GW	1		X											X
0				0														

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	8/10/04 1746	1 FedX	2 FedX	8/11/04 0950	2 [signature]
3	8/12/04 1700	3 FedX	4 FX	8/13/04 9:00	4 [signature]
5	Date Time:	5	Seal # 606 intact	Preserved where applica	On Ice:

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: ~~N74776~~ N74646
Accutest Quote #:

0100

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A
RW0804-CampEason	8/10/04	1050	25	GW	2					X	X							
RW0804-CampEason		1050		GW	2					X		X						
RW0804-CampEason		1050		GW	2					X			X					
3 RW0804-CampEason -10 F		1050		GW	3					X				X				
RW0804-CampEason		1050		GW	1					X					X			
RW0804-CampEason		1050		GW	1			X								X		
RW0804-CampEason		1050		GW	1			X									X	
RW0804-CampEason		1050		GW	1		X											X
0				0														

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	8/10/04 1738	1 FedX	2 FedX	8/11/04 0550	2 [signature]
3 [signature]	8/12/04 1700	3 FedX	4 FX	8/13/04 9:00	4 [signature]
5 [signature]		5	Seal # 704 intact	Preserved where applica	On Ice: 4.5'

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: ~~N7777~~ N7466
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-750-LittleMountain	8/10/04		JS	GW	2					X	X										
RW0804-750-LittleMountain			JS	GW	2					X		X									
RW0804-750-LittleMountain			JS	GW	2					X			X								
4 RW0804-750-LittleMountain			JS	GW	3					X				X							
RW0804-750-LittleMountain			JS	GW	1					X					X						
RW0804-750-LittleMountain			JS	GW	1			X								X					
RW0804-750-LittleMountain			JS	GW	1			X									X				
RW0804-750-LittleMountain			JS	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/10/04 1720	1 FedEx	2 FedEx	8/11/04 0950	2 [signature]
Relinquished by Sampler: 3 [signature]	8/12/04 1700	Received By: 3 FedEx	Relinquished By: 4 FX	Date Time: FX 8/13/04 9:00	Received By: 4 [signature]
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 610 intact	Preserved where applica	On Ice: 3.0

0611

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: ~~N4476~~ N74676
Accutest Quote #:

0012

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-191-FalconLane	8/10/04	1530	JB	GW	2					X	X										
RW0804-191-FalconLane			JB	GW	2					X		X									
RW0804-191-FalconLane			JB	GW	2					X			X								
5 RW0804-191-FalconLane			JB	GW	3					X				X							
RW0804-191-FalconLane			JB	GW	1					X					X						
RW0804-191-FalconLane			JB	GW	1			X								X					
RW0804-191-FalconLane			JB	GW	1			X									X				
RW0804-191-FalconLane			JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/10/04 1750	1 FedX	2 FedX	8/11/04 0950	2 [signature]
Relinquished by Sampler: 3 [signature]	Date Time: 8/12/04 1700	Received By: 3 FedX	Relinquished By: 4 FX	Date Time: 8/13/04	Received By: 4 [signature]
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 677 intact	Preserved where applica	On Ice: 30

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: J74776 N74676
Accutest Quote #:

0013

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Buttner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A
RW0804-4149-RangeRd	8/10 04	1405	JB	GW	2					X	X							
RW0804-4149-RangeRd			JB	GW	2					X		X						
RW0804-4149-RangeRd			JB	GW	2					X			X					
6 RW0804-4149-RangeRd			JB	GW	3					X				X				
RW0804-4149-RangeRd			JB	GW	1					X					X			
RW0804-4149-RangeRd			JB	GW	1			X								X		
RW0804-4149-RangeRd			JB	GW	1			X									X	
RW0804-4149-RangeRd			JB	GW	1		X											X
0				0														

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/10/04 1745	1 FedX	2 FedX	8/11/04 0950	2 [signature]
3 [signature]	8/12/04 1700	3 [signature]	4 FX	8/13/04 9:00	4 [signature]
5		5	Seal # 608	Preserved where applica	On Ice: 30

SECTION 6

Sample Summary

ENSR

Job No: F26071

Former Camp Butner
Project No: 09090-068

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F26071-1	08/10/04	09:05 JS	08/13/04	AQ	Ground Water	RW0804-CAMP BARHAM
F26071-2	08/10/04	13:00 JS	08/13/04	AQ	Ground Water	RW0804-4051-RANGE RD
F26071-3	08/10/04	10:50 JS	08/13/04	AQ	Ground Water	RW0804-CAMP EASON
F26071-4	08/10/04	00:00 JS	08/13/04	AQ	Ground Water	RW0804-750-LITTLE MOUNTAIN
F26071-5	08/10/04	15:30 JS	08/13/04	AQ	Ground Water	RW0804-191-FALCON LANE
F26071-6	08/10/04	14:05 JS	08/13/04	AQ	Ground Water	RW0804-4149-RANGE RD

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP BARHAM		
Lab Sample ID:	F26071-1	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000740.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.083	ug/l	
121-82-4	RDX	ND	0.22	0.083	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.056	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.056	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.056	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.056	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.056	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.056	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.056	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.056	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.083	ug/l	
479-45-8	Tetryl	ND	0.22	0.083	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.056	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.056	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	101%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP BARHAM		
Lab Sample ID:	F26071-1	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000703.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	107%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4051-RANGE RD		
Lab Sample ID:	F26071-2	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000741.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.21	0.078	ug/l	
121-82-4	RDX	ND	0.21	0.078	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.21	0.052	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.21	0.052	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.21	0.052	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.21	0.052	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.21	0.052	ug/l	
98-95-3	Nitrobenzene	ND	0.21	0.052	ug/l	
88-72-2	o-Nitrotoluene	ND	0.21	0.052	ug/l	
99-08-1	m-Nitrotoluene	ND	0.21	0.052	ug/l	
99-99-0	p-Nitrotoluene	ND	0.21	0.078	ug/l	
479-45-8	Tetryl	ND	0.21	0.078	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.21	0.052	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.21	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	103%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4051-RANGE RD		
Lab Sample ID:	F26071-2	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000704.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.1	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	99%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP EASON		
Lab Sample ID:	F26071-3	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000742.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	800 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.25	0.094	ug/l	
121-82-4	RDX	ND	0.25	0.094	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.25	0.063	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.25	0.063	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.25	0.063	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.25	0.063	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.25	0.063	ug/l	
98-95-3	Nitrobenzene	ND	0.25	0.063	ug/l	
88-72-2	o-Nitrotoluene	ND	0.25	0.063	ug/l	
99-08-1	m-Nitrotoluene	ND	0.25	0.063	ug/l	
99-99-0	p-Nitrotoluene	ND	0.25	0.094	ug/l	
479-45-8	Tetryl	ND	0.25	0.094	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.25	0.063	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.25	0.063	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	105%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP EASON		
Lab Sample ID:	F26071-3	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000705.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	800 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.5	0.63	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	93%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-750-LITTLE MOUNTAIN		
Lab Sample ID:	F26071-4	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000746.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.081	ug/l	
121-82-4	RDX	ND	0.22	0.081	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.054	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.054	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.054	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.054	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.054	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.081	ug/l	
479-45-8	Tetryl	ND	0.22	0.081	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.054	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	105%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-750-LITTLE MOUNTAIN		
Lab Sample ID:	F26071-4	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000706.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	91%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-191-FALCON LANE		
Lab Sample ID:	F26071-5	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000747.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.082	ug/l	
121-82-4	RDX	ND	0.22	0.082	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.054	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.054	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.054	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.054	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.054	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.082	ug/l	
479-45-8	Tetryl	ND	0.22	0.082	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.054	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	97%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-191-FALCON LANE		
Lab Sample ID:	F26071-5	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000707.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	90%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4149-RANGE RD		
Lab Sample ID:	F26071-6	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000748.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.082	ug/l	
121-82-4	RDX	ND	0.22	0.082	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.054	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.054	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.054	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.054	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.054	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.082	ug/l	
479-45-8	Tetryl	ND	0.22	0.082	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.054	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	102%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4149-RANGE RD		
Lab Sample ID:	F26071-6	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000708.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	97%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SECTION 7

SAMPLE RESULT REPORT OF ANALYSIS

SGC.01

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP BARHAM		
Lab Sample ID:	F26071-1	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000740.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.083	ug/l	
121-82-4	RDX	ND	0.22	0.083	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.056	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.056	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.056	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.056	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.056	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.056	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.056	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.056	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.083	ug/l	
479-45-8	Tetryl	ND	0.22	0.083	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.056	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.056	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	101%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000740.D\dad1B.ch Vial: 27
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000740.D\dad1A.ch
Acq On : 25-Aug-2004, 06:08:10 Operator: MIKEE
Sample : F26071-1 Inst : G1315B
Misc : op11137,gpp28,900,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:32 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.93	14.93	1213110	1662078	252.598	255.148
	Spiked Amount 250.000 Range 61 - 124 Recovery =					101.04%	102.06%
	Target Compounds						
1)	HMX	0.00	0.00	0	0	N.D.	N.D.
2)	RDX	0.00	0.00	0	0	N.D.	N.D.
3)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
4)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
5)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
6)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
8)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
9)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
10)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
11)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
12)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
13)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
14)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
15)	m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.

MK 8/25/04

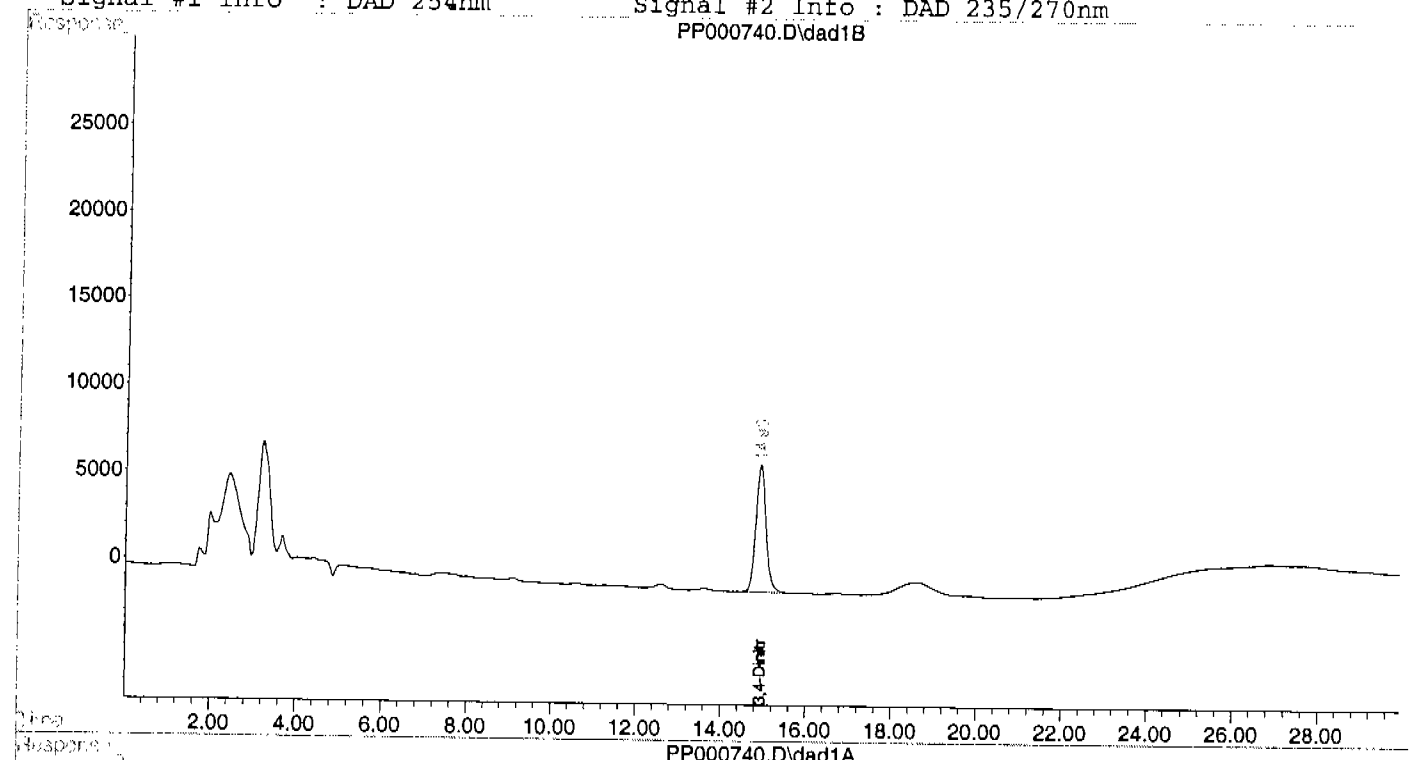
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000740.D 8330_EX2.M Wed Aug 25 13:44:46 2004

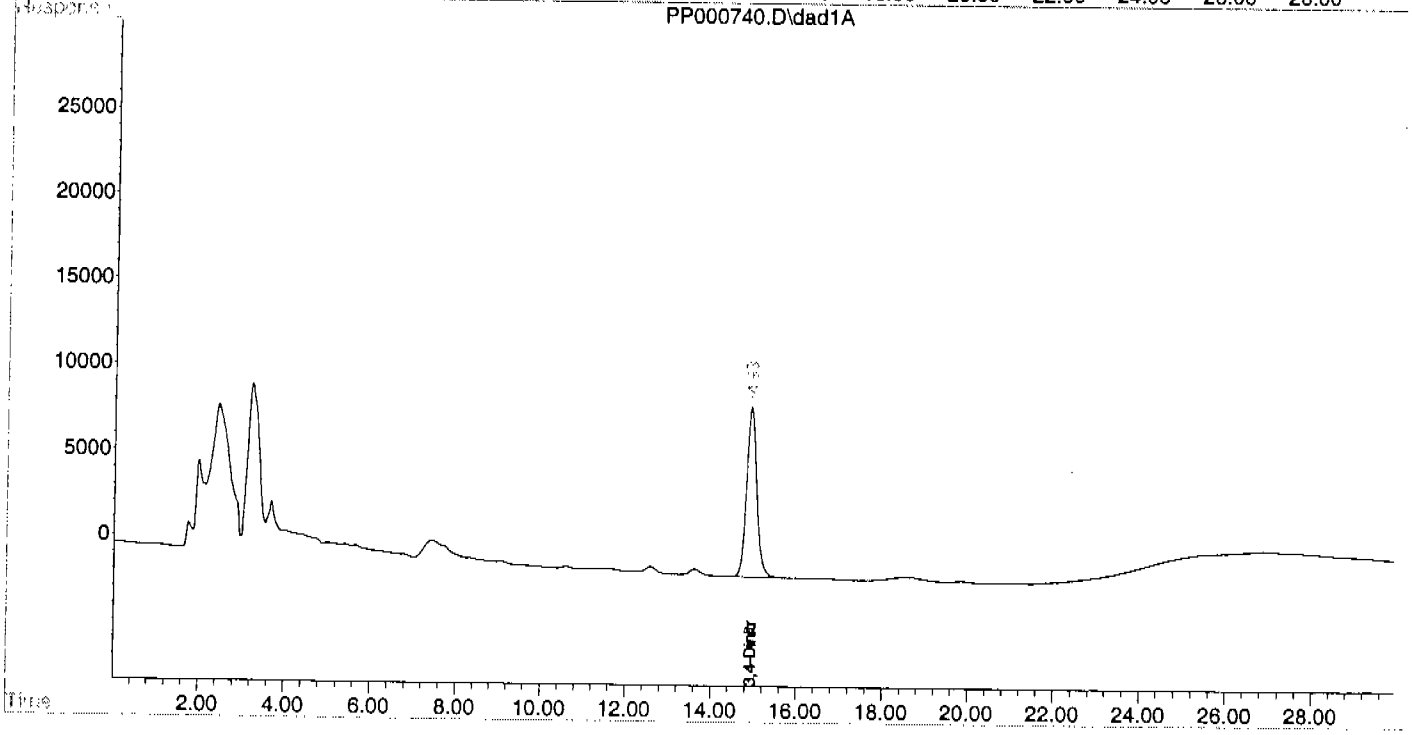
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000740.D\dad1B.ch Vial: 27
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000740.D\dad1A.ch
Acq On : 25-Aug-2004, 06:08:10 Operator: MIKEE
Sample : F26071-1 Inst : G1315B
Misc : op11137,gpp28,900,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:32 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP BARHAM		
Lab Sample ID:	F26071-1	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000703.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	107%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000703.D\dad1B.ch Vial: 22
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000703.D\dad1A.ch
Acq On : 24-Aug-2004, 12:23:54 Operator: MIKEE
Sample : F26071-1 Inst : G1315B
Misc : op11138,gpp27,900,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:11 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
2) S 3,4-Dinitrotoluene	3.60	1145197	267.198	ppb	
Spiked Amount 250.000 Range 61 - 124		Recovery = 106.88%			
5) S 3,4-Dinitrotoluene #2	3.60	646216	290.886	ppb	m
Spiked Amount 250.000 Range 61 - 124		Recovery = 116.35%			
Target Compounds					
1) Nitroglycerin	0.00	0	N.D.	ppb	
3) PETN	0.00	0	N.D.	ppb	

pll

MKB 8/24/04

SM 8-24-04

(S)=RT Delta > 1/2 Window (m)=manual int.
PP000703.D 8332_NIT.M Tue Aug 24 13:12:09 2004

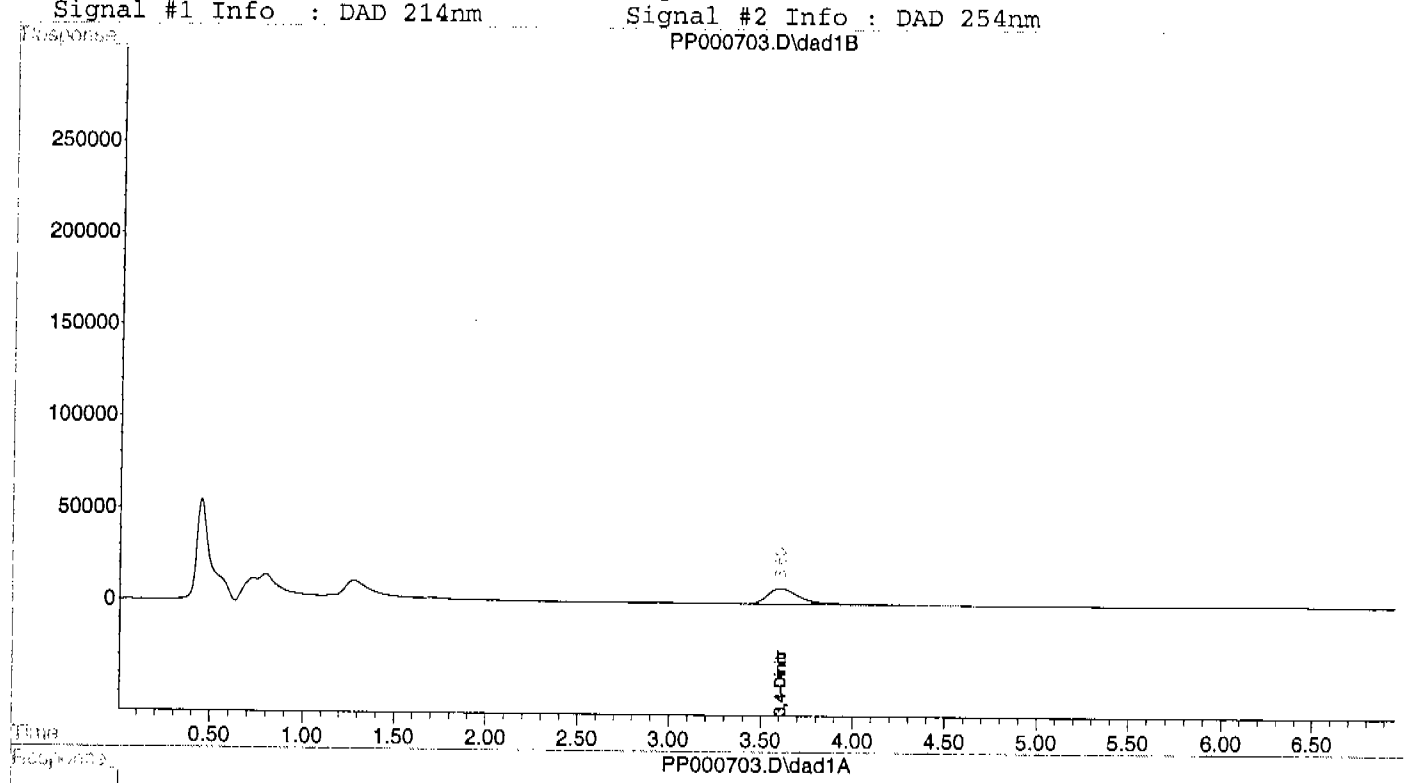
0034

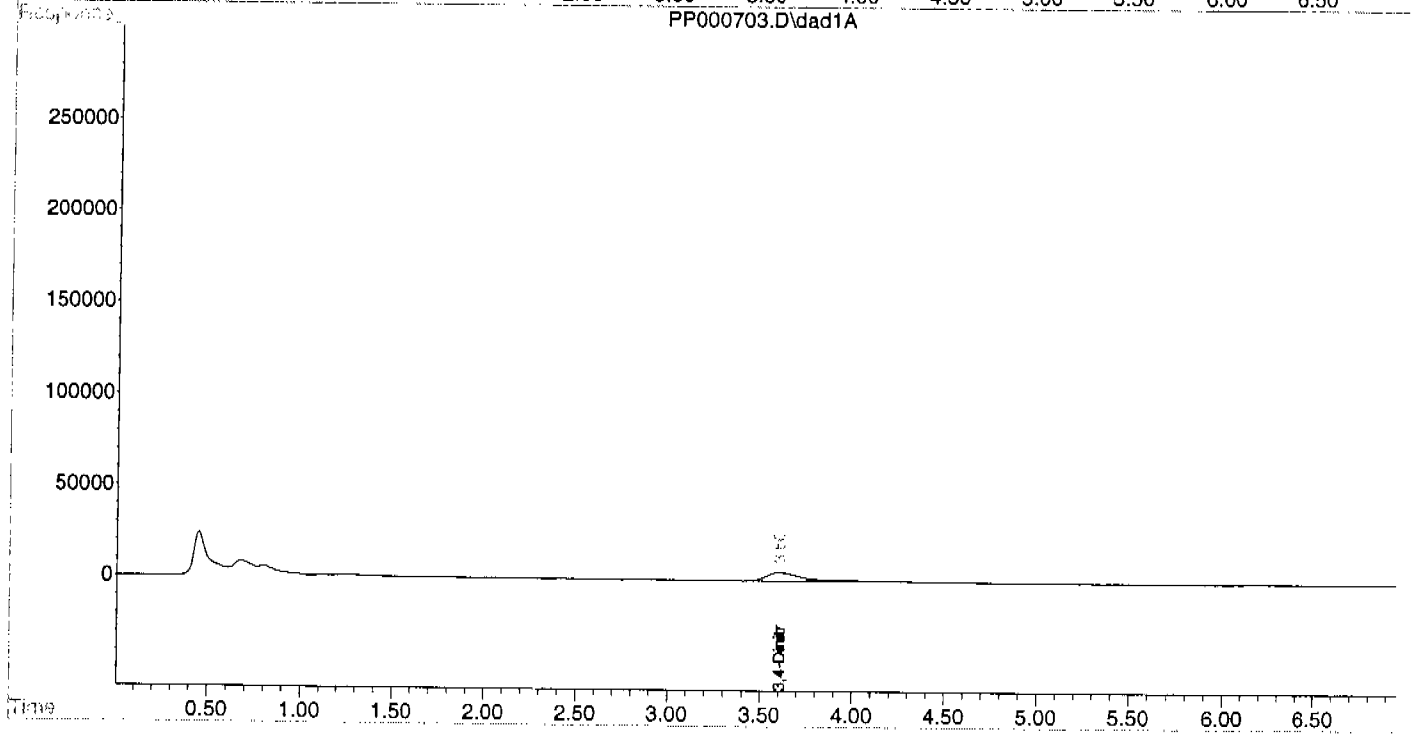
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000703.D\dad1B.ch Vial: 22
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000703.D\dad1A.ch
Acq On : 24-Aug-2004, 12:23:54 Operator: MIKEE
Sample : F26071-1 Inst : G1315B
Misc : op11138,gpp27,900,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:11 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4051-RANGE RD		
Lab Sample ID:	F26071-2	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000741.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.21	0.078	ug/l	
121-82-4	RDX	ND	0.21	0.078	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.21	0.052	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.21	0.052	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.21	0.052	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.21	0.052	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.21	0.052	ug/l	
98-95-3	Nitrobenzene	ND	0.21	0.052	ug/l	
88-72-2	o-Nitrotoluene	ND	0.21	0.052	ug/l	
99-08-1	m-Nitrotoluene	ND	0.21	0.052	ug/l	
99-99-0	p-Nitrotoluene	ND	0.21	0.078	ug/l	
479-45-8	Tetryl	ND	0.21	0.078	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.21	0.052	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.21	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	103%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000741.D\dad1B.ch Vial: 28
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000741.D\dad1A.ch
Acq On : 25-Aug-2004, 06:40:09 Operator: MIKEE
Sample : F26071-2 Inst : G1315B
Misc : op11137,gpp28,960,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:32 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7)	S 3,4-Dinitrotolue	14.93	14.93	1234862	1680311	257.127	257.947
	Spiked Amount 250.000	Range	61 - 124	Recovery	=	102.85%	103.18%
	Target Compounds						
1)	HMX	0.00	0.00	0	0	N.D.	N.D.
2)	RDX	0.00	0.00	0	0	N.D.	N.D.
3)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
4)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
5)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
6)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
8)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
9)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
10)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
11)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
12)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
13)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
14)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
15)	m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.

MKE 8/25/04

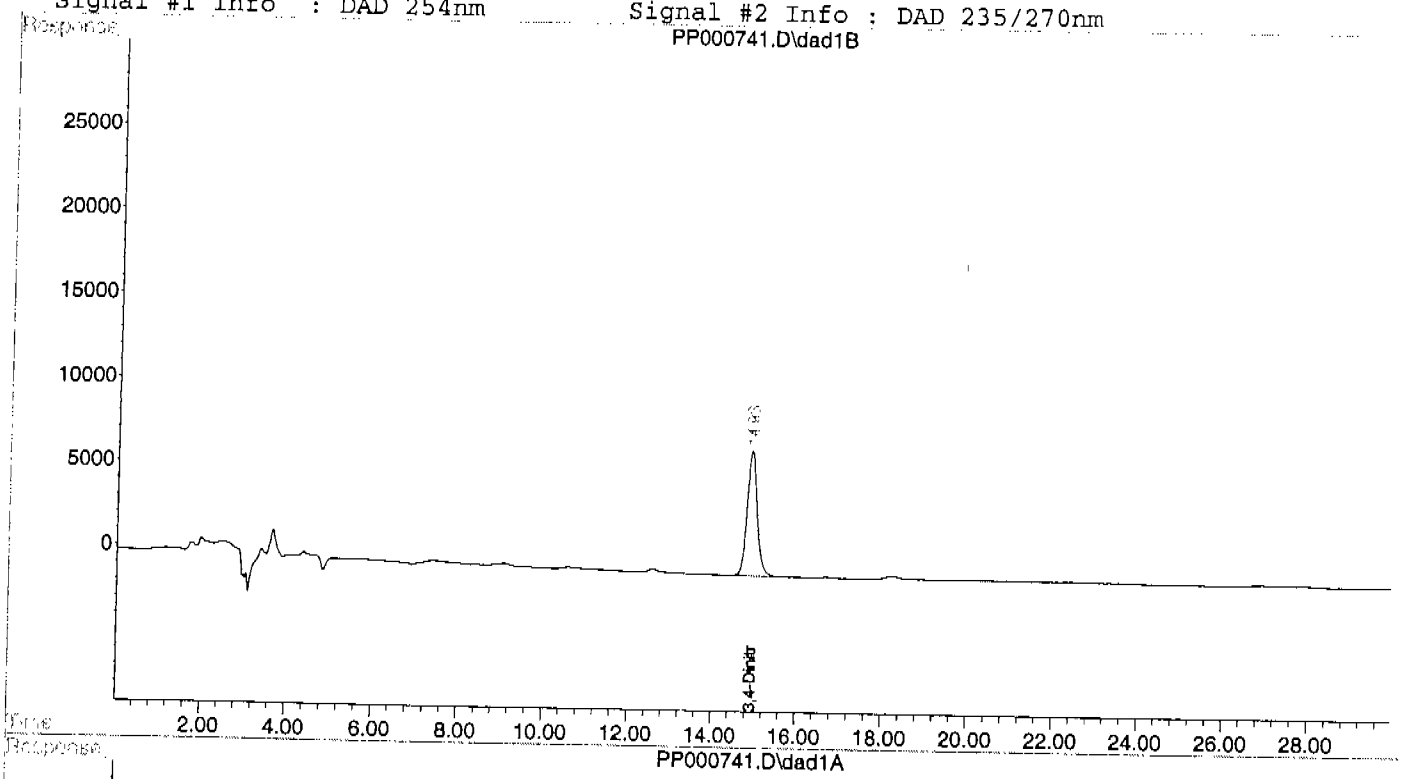
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

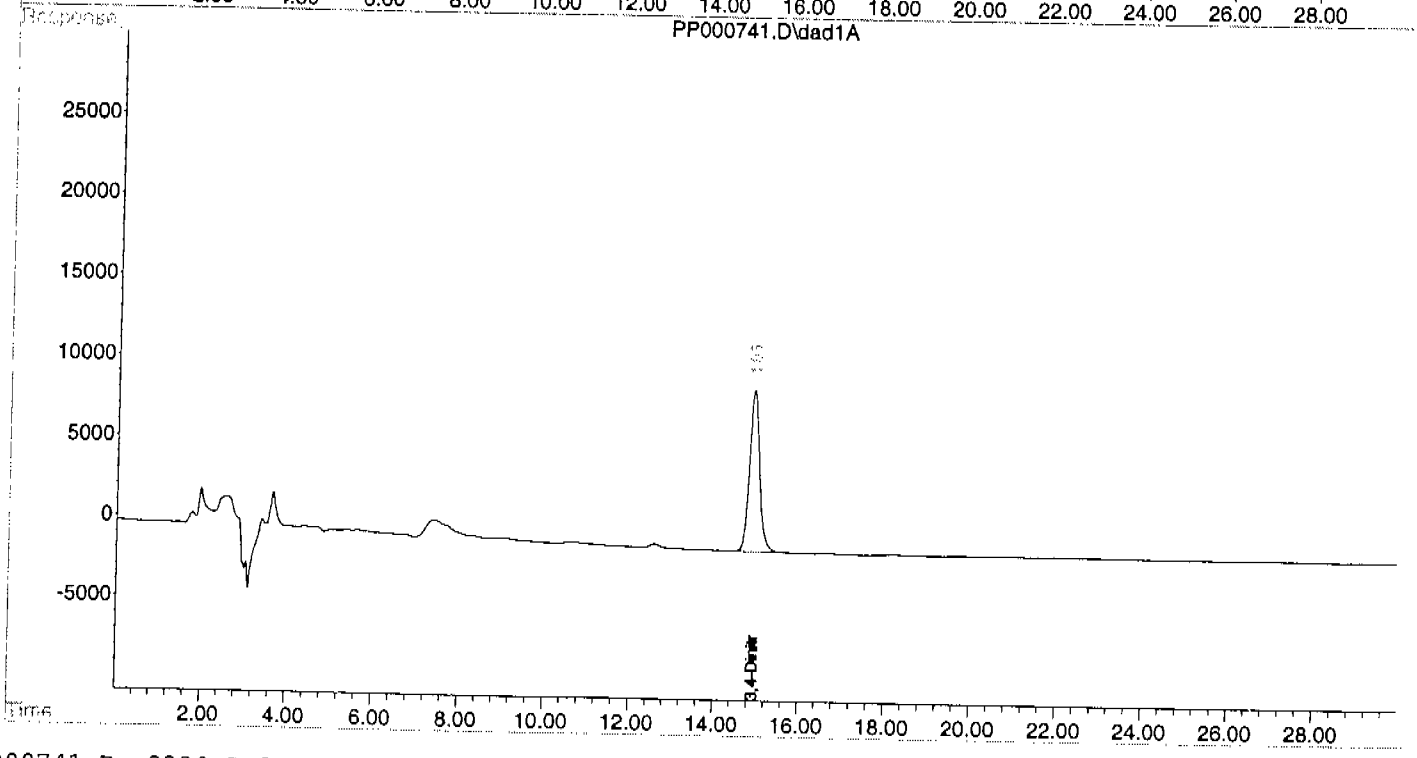
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000741.D\dad1B.ch Vial: 28
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000741.D\dad1A.ch
Acq On : 25-Aug-2004, 06:40:09 Operator: MIKEE
Sample : F26071-2 Inst : G1315B
Misc : op11137,gpp28,960,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:32 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4051-RANGE RD		
Lab Sample ID:	F26071-2	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000704.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.1	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	99%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000704.D\dad1B.ch Vial: 23
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000704.D\dad1A.ch
Acq On : 24-Aug-2004, 12:32:24 Operator: MIKEE
Sample : F26071-2 Inst : G1315B
Misc : op11138,gpp27,960,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:11 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S 3,4-Dinitrotoluene	3.60	1063343	248.100	ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 99.24%		
5) S 3,4-Dinitrotoluene #2	3.60	507055	228.244	ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 91.30%		
Target Compounds				
1) Nitroglycerin	0.00	0	N.D.	ppb
3) PETN	0.00	0	N.D.	ppb

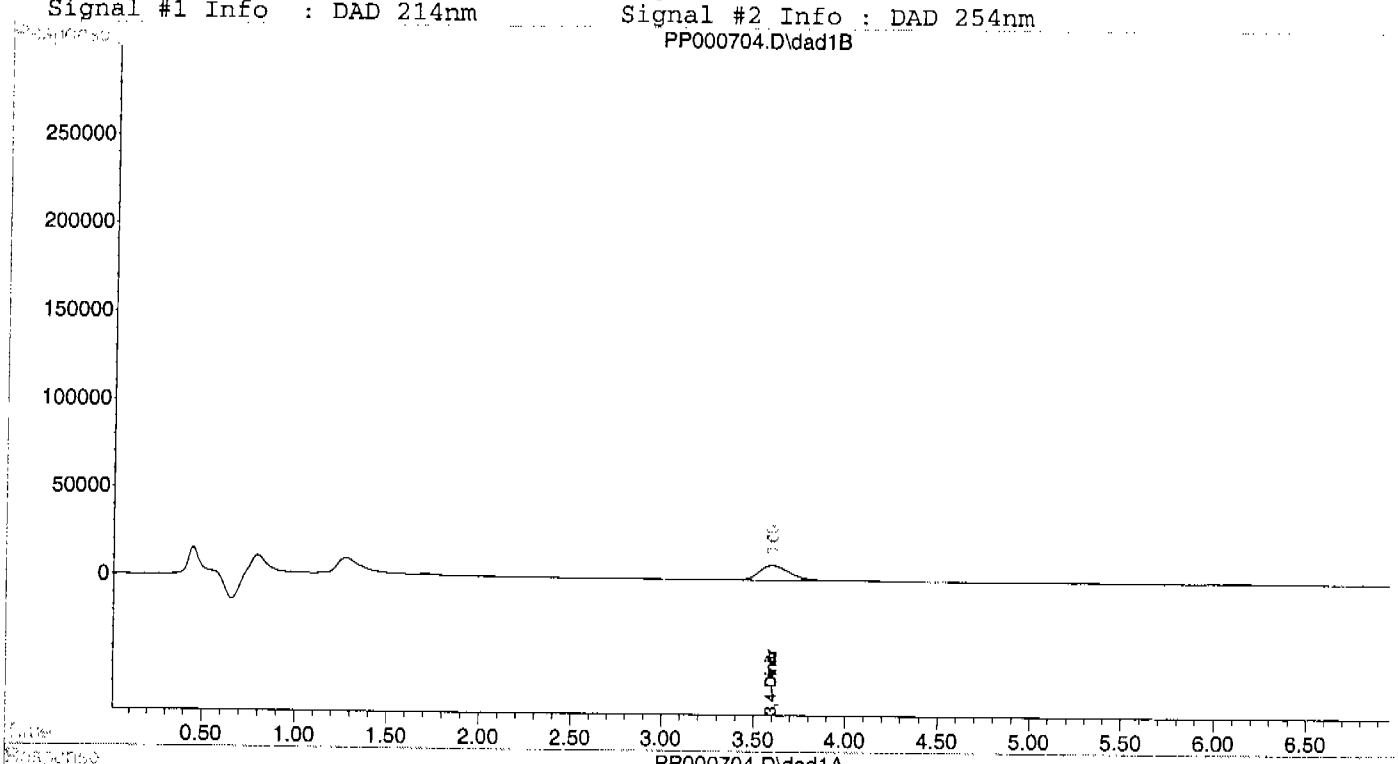
MKE 8/24/04

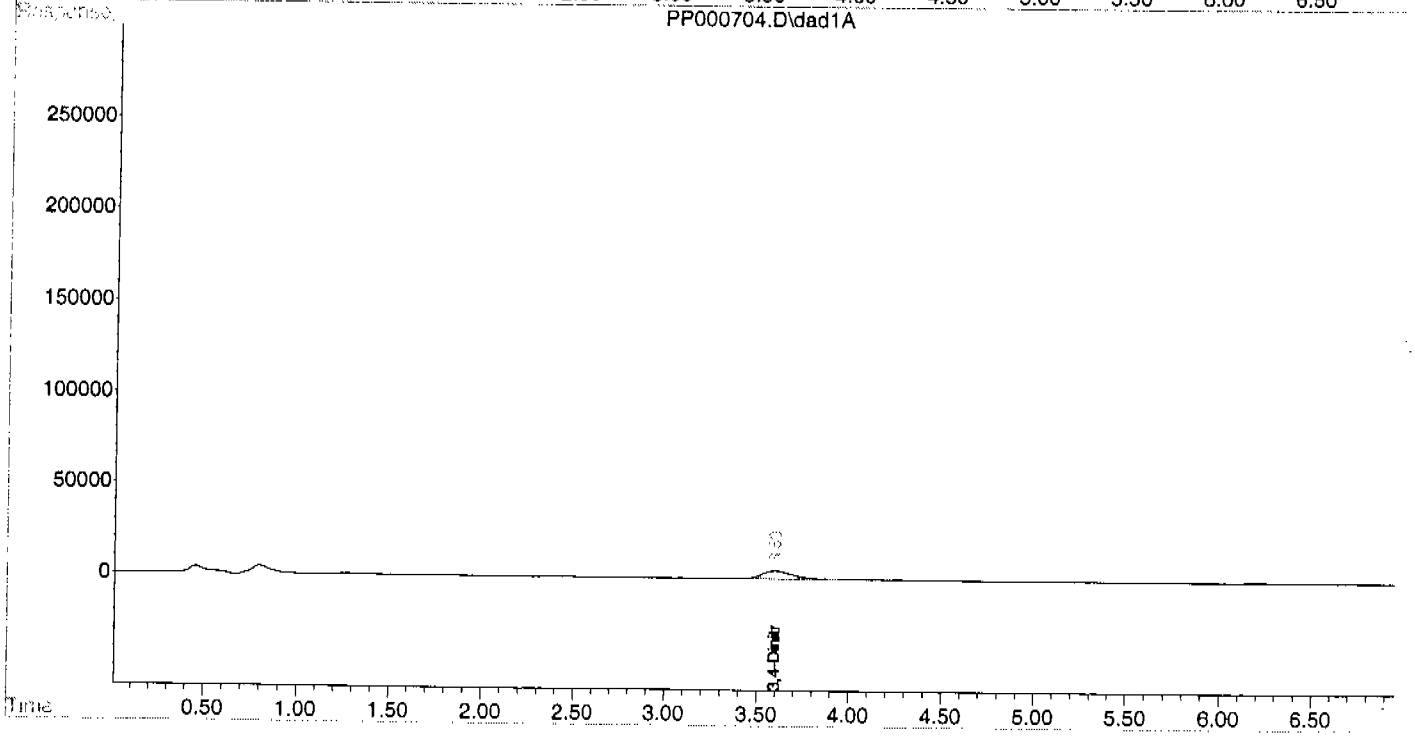
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000704.D\dad1B.ch Vial: 23
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000704.D\dad1A.ch
Acq On : 24-Aug-2004, 12:32:24 Operator: MIKEE
Sample : F26071-2 Inst : G1315B
Misc : op11138,gpp27,960,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:11 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP EASON		
Lab Sample ID:	F26071-3	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000742.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	800 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.25	0.094	ug/l	
121-82-4	RDX	ND	0.25	0.094	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.25	0.063	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.25	0.063	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.25	0.063	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.25	0.063	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.25	0.063	ug/l	
98-95-3	Nitrobenzene	ND	0.25	0.063	ug/l	
88-72-2	o-Nitrotoluene	ND	0.25	0.063	ug/l	
99-08-1	m-Nitrotoluene	ND	0.25	0.063	ug/l	
99-99-0	p-Nitrotoluene	ND	0.25	0.094	ug/l	
479-45-8	Tetryl	ND	0.25	0.094	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.25	0.063	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.25	0.063	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	105%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000742.D\dad1B.ch Vial: 29
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000742.D\dad1A.ch
Acq On : 25-Aug-2004, 07:12:06 Operator: MIKEE
Sample : F26071-3 Inst : G1315B
Misc : op11137,gpp28,800,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:32 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
7) S 3,4-Dinitrotolue	14.93	14.93	1259554	1719433	262.268	263.952
Spiked Amount 250.000 Range 61 - 124 Recovery =					104.91%	105.58%
Target Compounds						
1) HMX	0.00	0.00	0	0	N.D.	N.D.
2) RDX	0.00	0.00	0	0	N.D.	N.D.
3) 1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
4) 1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
5) Tetryl	0.00	0.00	0	0	N.D.	N.D.
6) Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
8) 2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
9) 4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
10) 2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
11) 2,6-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
12) 2,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
13) o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
14) p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
15) m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.

MKS 8/25/04

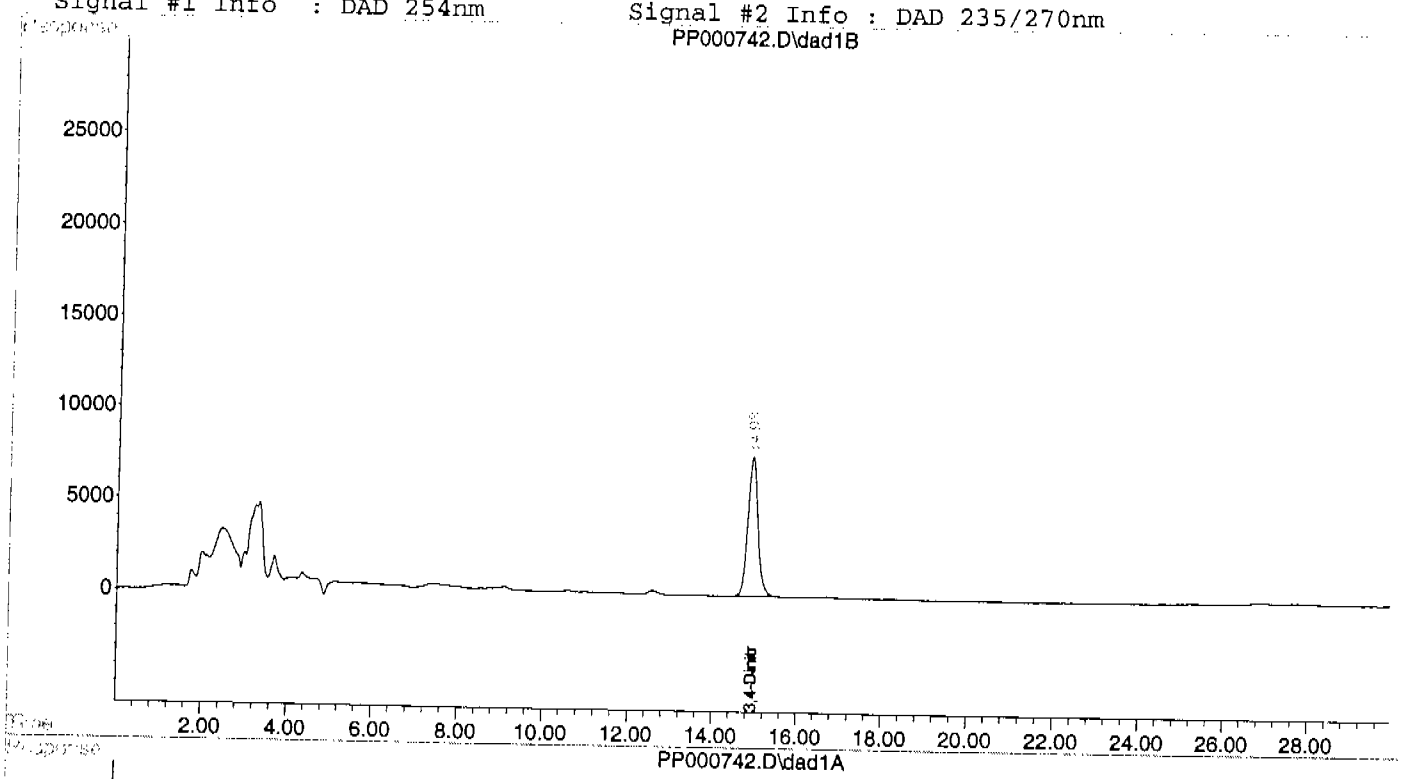
(t)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

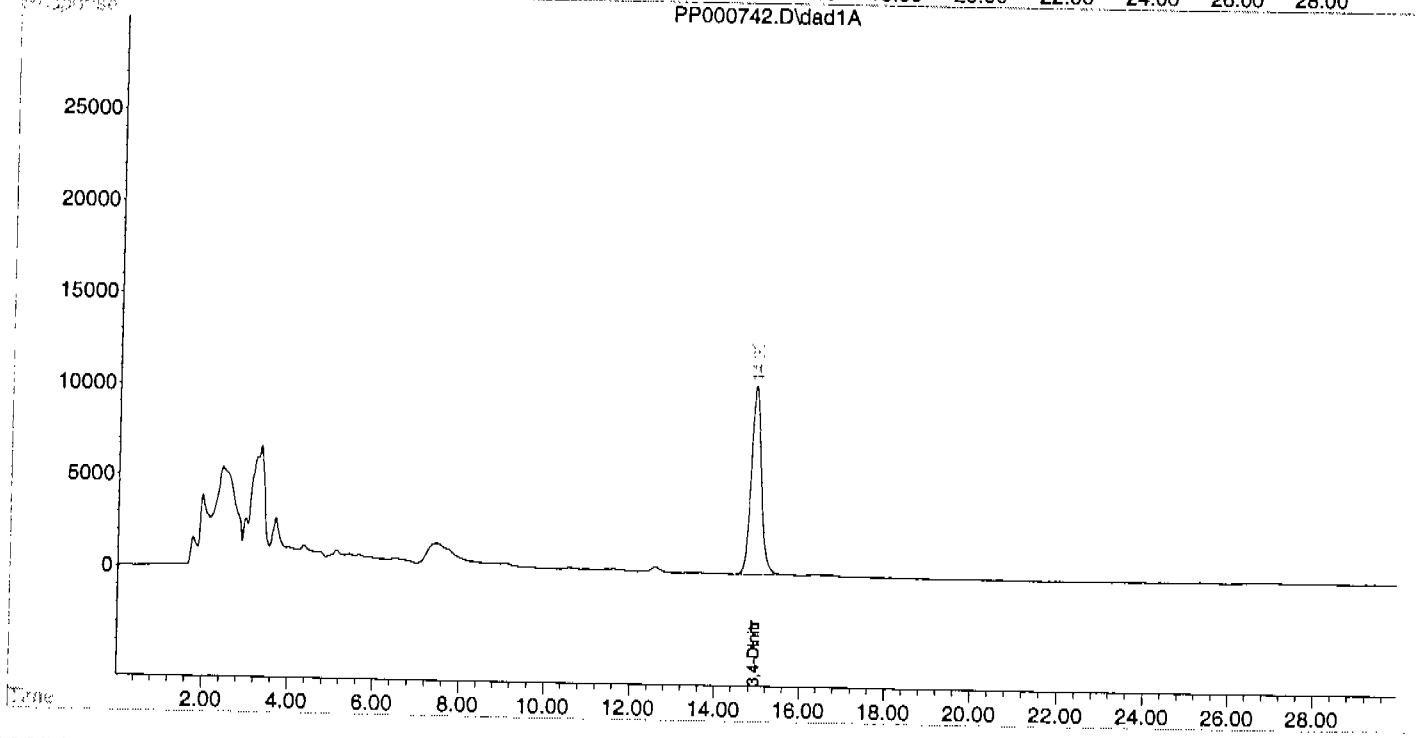
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000742.D\dad1B.ch Vial: 29
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000742.D\dad1A.ch
Acq On : 25-Aug-2004, 07:12:06 Operator: MIKEE
Sample : F26071-3 Inst : G1315B
Misc : op11137,gpp28,800,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:32 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-CAMP EASON		
Lab Sample ID:	F26071-3	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000705.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	800 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.5	0.63	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	93%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000705.D\dad1B.ch Vial: 24
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000705.D\dad1A.ch
Acq On : 24-Aug-2004, 12:40:54 Operator: MIKEE
Sample : F26071-3 Inst : G1315B
Misc : op11138,gpp27,800,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:11 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.61	999750	233.262 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	93.30%
5) S 3,4-Dinitrotoluene #2	3.61	544150	244.942 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	97.98%
Target Compounds			
1) Nitroglycerin	0.00	0	N.D. ppb
3) PETN	0.00	0	N.D. ppb

PW 8/24/04

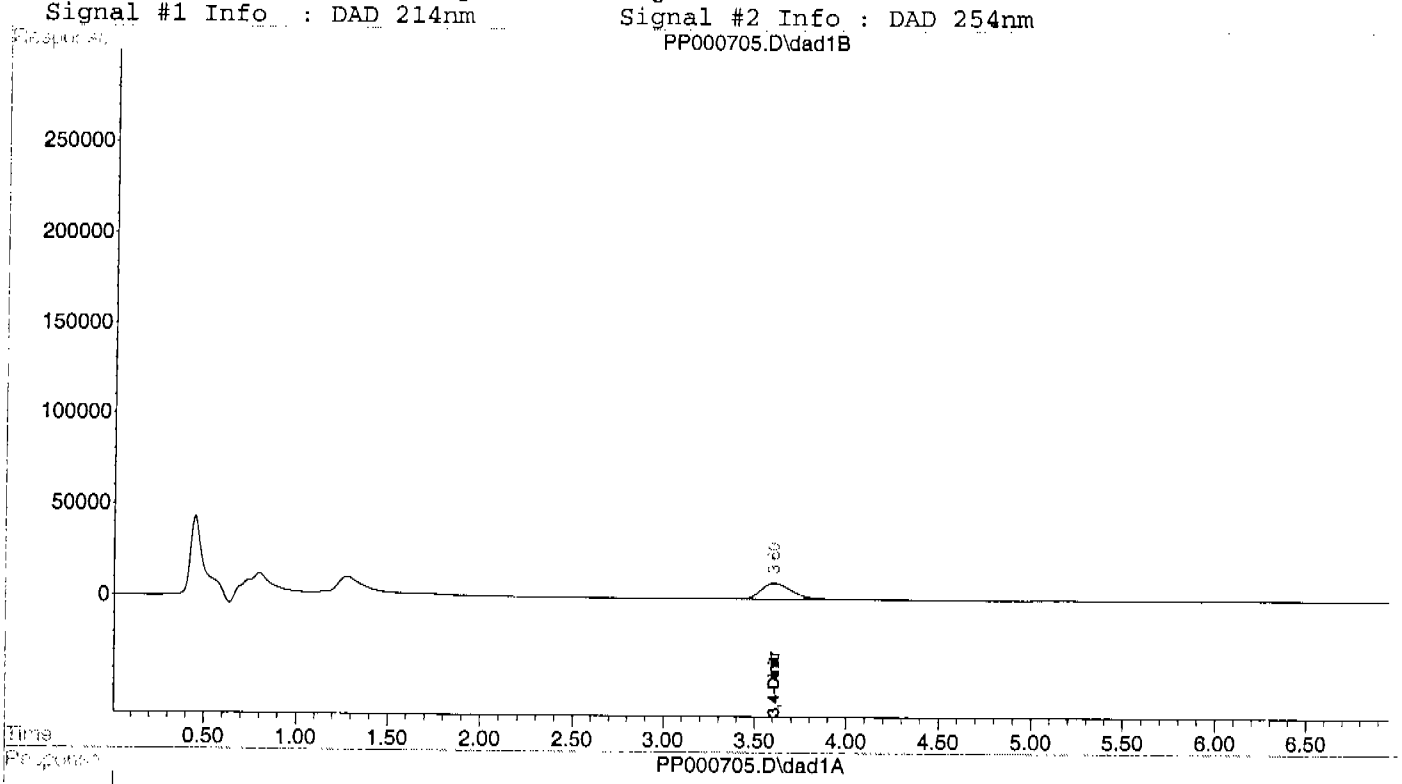
(f)=RT Delta > 1/2 Window (m)=manual int.

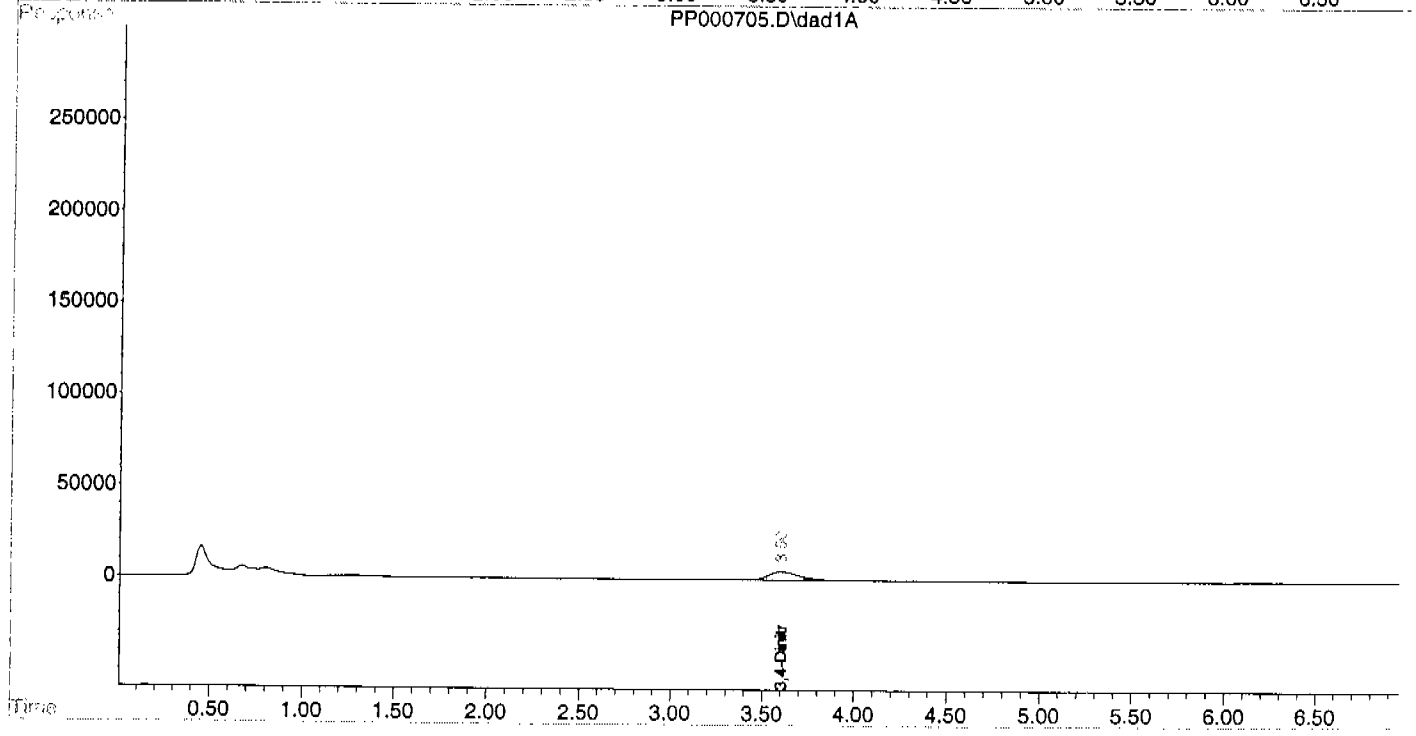
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000705.D\dad1B.ch Vial: 24
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000705.D\dad1A.ch
Acq On : 24-Aug-2004, 12:40:54 Operator: MIKEE
Sample : F26071-3 Inst : G1315B
Misc : op11138,gpp27,800,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:11 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-750-LITTLE MOUNTAIN		
Lab Sample ID:	F26071-4	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000746.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.081	ug/l	
121-82-4	RDX	ND	0.22	0.081	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.054	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.054	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.054	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.054	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.054	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.081	ug/l	
479-45-8	Tetryl	ND	0.22	0.081	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.054	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	105%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000746.D\dad1B.ch Vial: 32
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000746.D\dad1A.ch
Acq On : 25-Aug-2004, 09:20:06 Operator: MIKEE
Sample : F26071-4 Inst : G1315B
Misc : op11137,gpp28,930,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:34 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.92	14.92	1264787	1743862	263.358	267.702
Spiked Amount	250.000	Range	61 - 124	Recovery	=	105.34%	107.08%
	Target Compounds						
1)	HMX	0.00	0.00	0	0	N.D.	N.D.
2)	RDX	0.00	0.00	0	0	N.D.	N.D.
3)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
4)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
5)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
6)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
8)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
9)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
10)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
11)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
12)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
13)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
14)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
15)	m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.

MER 8/25/04

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000746.D 8330_EX2.M Wed Aug 25 13:45:03 2004

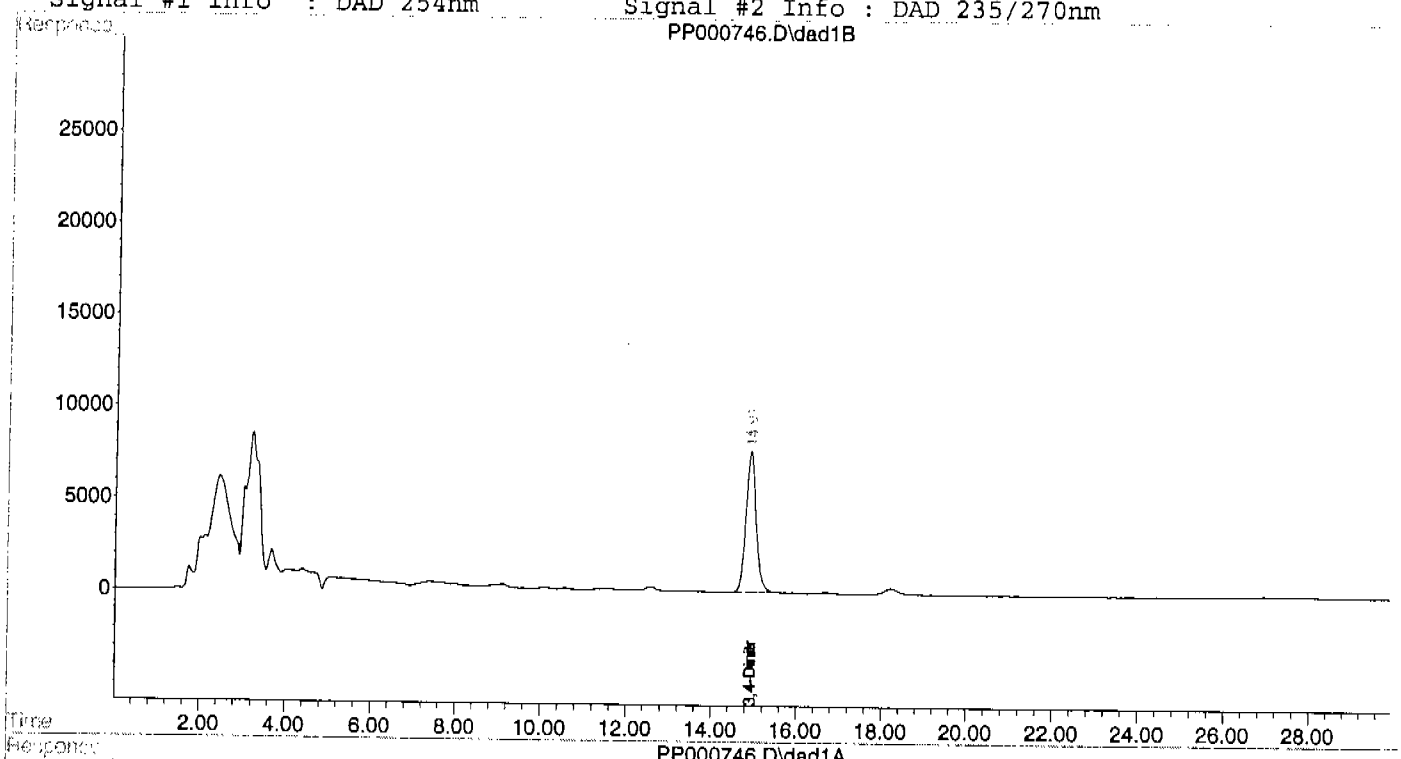
0049

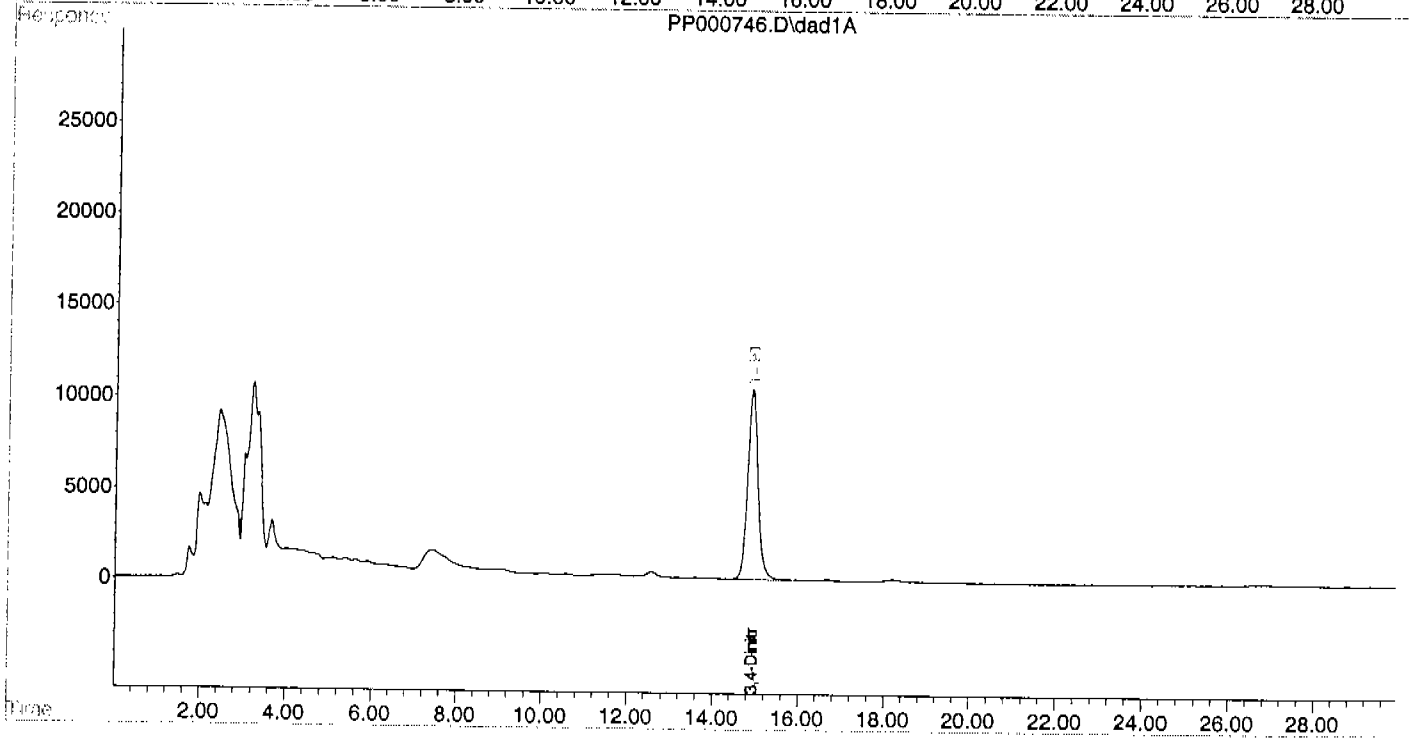
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000746.D\dad1B.ch Vial: 32
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000746.D\dad1A.ch
Acq On : 25-Aug-2004, 09:20:06 Operator: MIKEE
Sample : F26071-4 Inst : G1315B
Misc : op11137,gpp28,930,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:34 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-750-LITTLE MOUNTAIN		
Lab Sample ID:	F26071-4	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000706.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	91%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000706.D\dad1B.ch Vial: 25
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000706.D\dad1A.ch
Acq On : 24-Aug-2004, 12:49:24 Operator: MIKEE
Sample : F26071-4 Inst : G1315B
Misc : op11138,gpp27,930,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:12 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	980373	228.741 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	91.50%
5) S 3,4-Dinitrotoluene #2	3.61	516200	232.361 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	92.94%
Target Compounds			
1) Nitroglycerin	0.00	0	N.D. ppb
3) PETN	0.00	0	N.D. ppb

MD 8/24/04

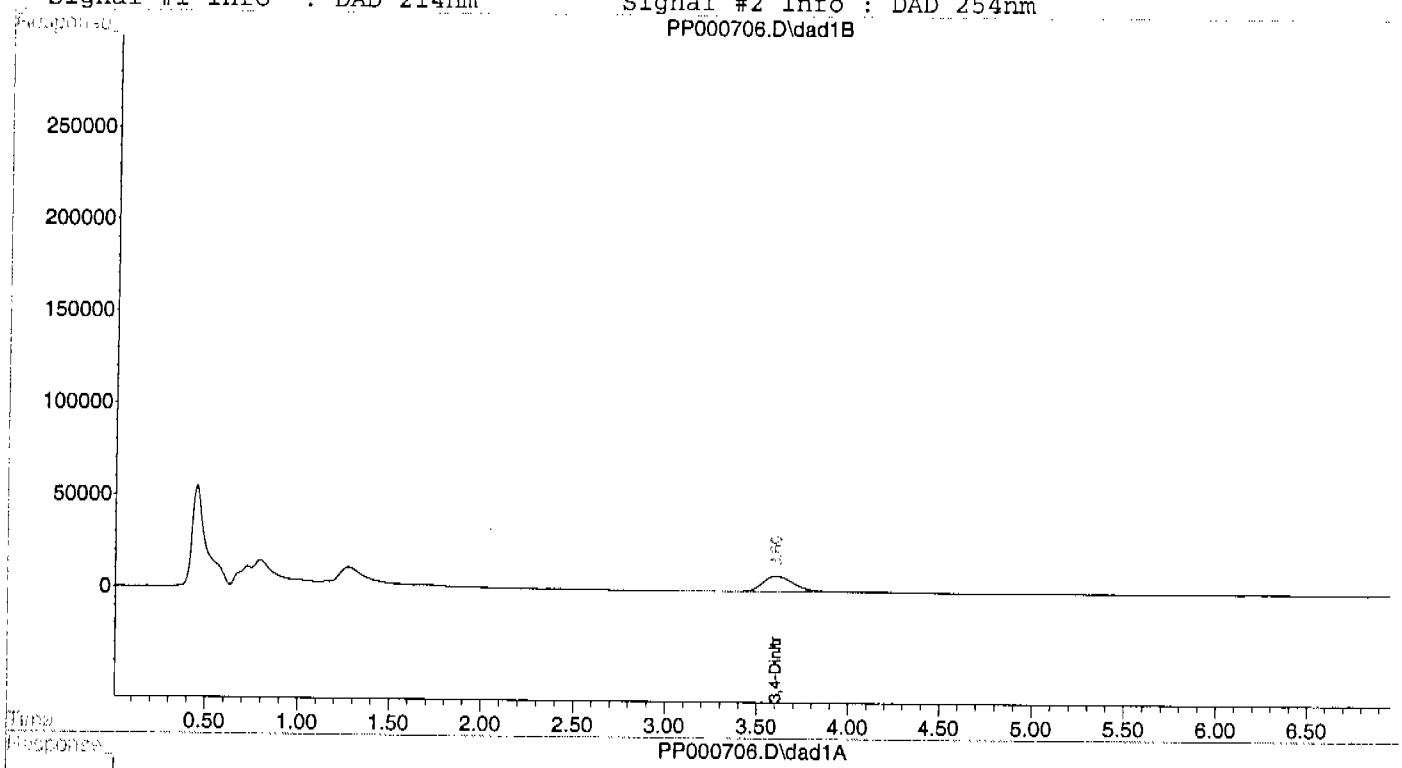
(f)=RT Delta > 1/2 Window (m)=manual int.

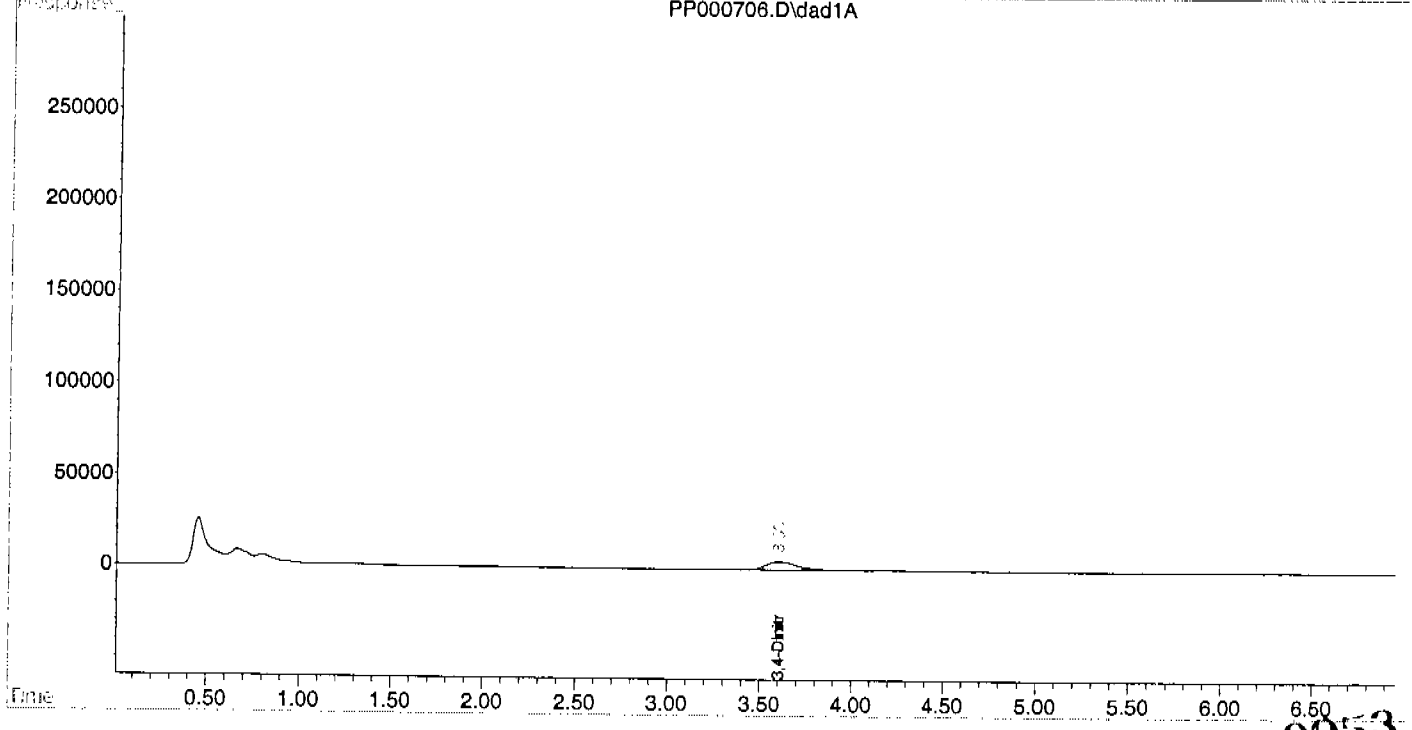
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000706.D\dad1B.ch Vial: 25
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000706.D\dad1A.ch
Acq On : 24-Aug-2004, 12:49:24 Operator: MIKEE
Sample : F26071-4 Inst : G1315B
Misc : op11138,gpp27,930,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:12 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-191-FALCON LANE		
Lab Sample ID:	F26071-5	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000747.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.082	ug/l	
121-82-4	RDX	ND	0.22	0.082	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.054	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.054	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.054	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.054	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.054	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.082	ug/l	
479-45-8	Tetryl	ND	0.22	0.082	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.054	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	97%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000747.D\dad1B.ch Vial: 33
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000747.D\dad1A.ch
Acq On : 25-Aug-2004, 09:52:04 Operator: MIKEE
Sample : F26071-5 Inst : G1315B
Misc : op11137,gpp28,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:37 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.92	14.92	1166483	1591616	242.889	244.331
	Spiked Amount 250.000	Range	61 - 124	Recovery	=	97.16%	97.73%
	Target Compounds						
1)	HMX	0.00	0.00	0	0	N.D.	N.D.
2)	RDX	0.00	0.00	0	0	N.D.	N.D.
3)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
4)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
5)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
6)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
8)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
9)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
10)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
11)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
12)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
13)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
14)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
15)	m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.

MDH 8/25/04

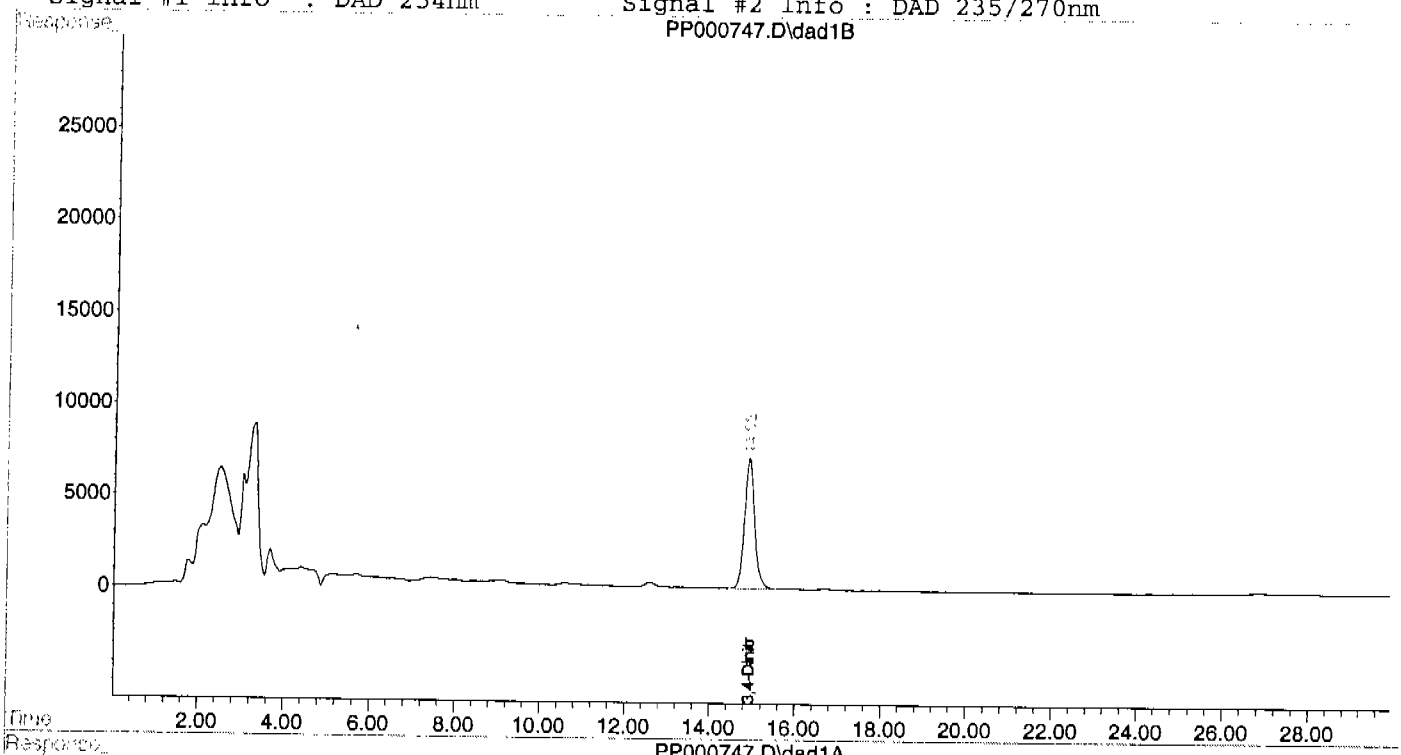
(:)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000747.D 8330_EX2.M Wed Aug 25 13:45:05 2004

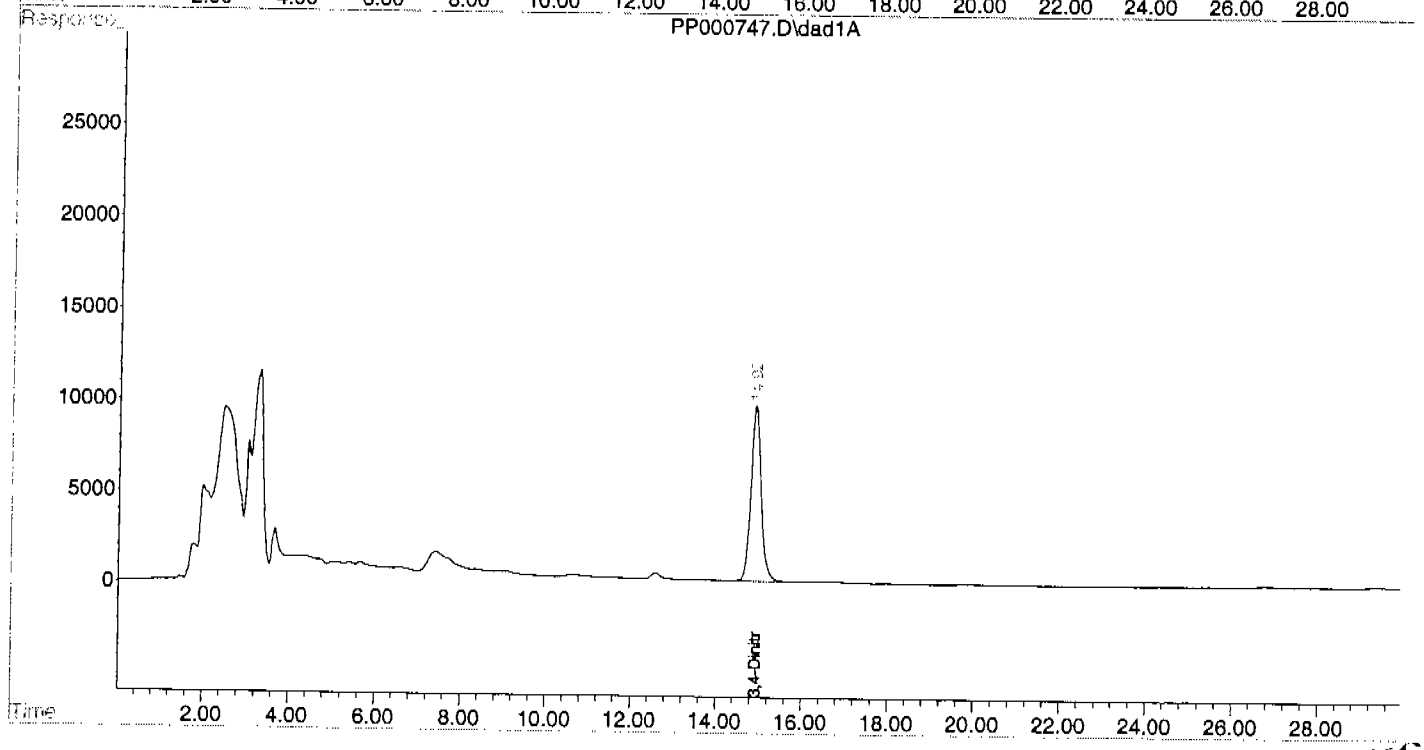
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000747.D\dad1B.ch Vial: 33
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000747.D\dad1A.ch
Acq On : 25-Aug-2004, 09:52:04 Operator: MIKEE
Sample : F26071-5 Inst : G1315B
Misc : op11137,gpp28,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:37 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-191-FALCON LANE		
Lab Sample ID:	F26071-5	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000707.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	90%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000707.D\dad1B.ch Vial: 26
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000707.D\dad1A.ch
Acq On : 24-Aug-2004, 12:57:55 Operator: MIKEE
Sample : F26071-5 Inst : G1315B
Misc : op11138,gpp27,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:12 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.61	959198	223.801 ppb
Spiked Amount 250.000	Range 61 - 124	Recovery =	89.52%
5) S 3,4-Dinitrotoluene #2	3.61	482758	217.307 ppb
Spiked Amount 250.000	Range 61 - 124	Recovery =	86.92%
Target Compounds			
1) Nitroglycerin	0.00	0	N.D. ppb
3) PETN	0.00	0	N.D. ppb

MW 8/26/04

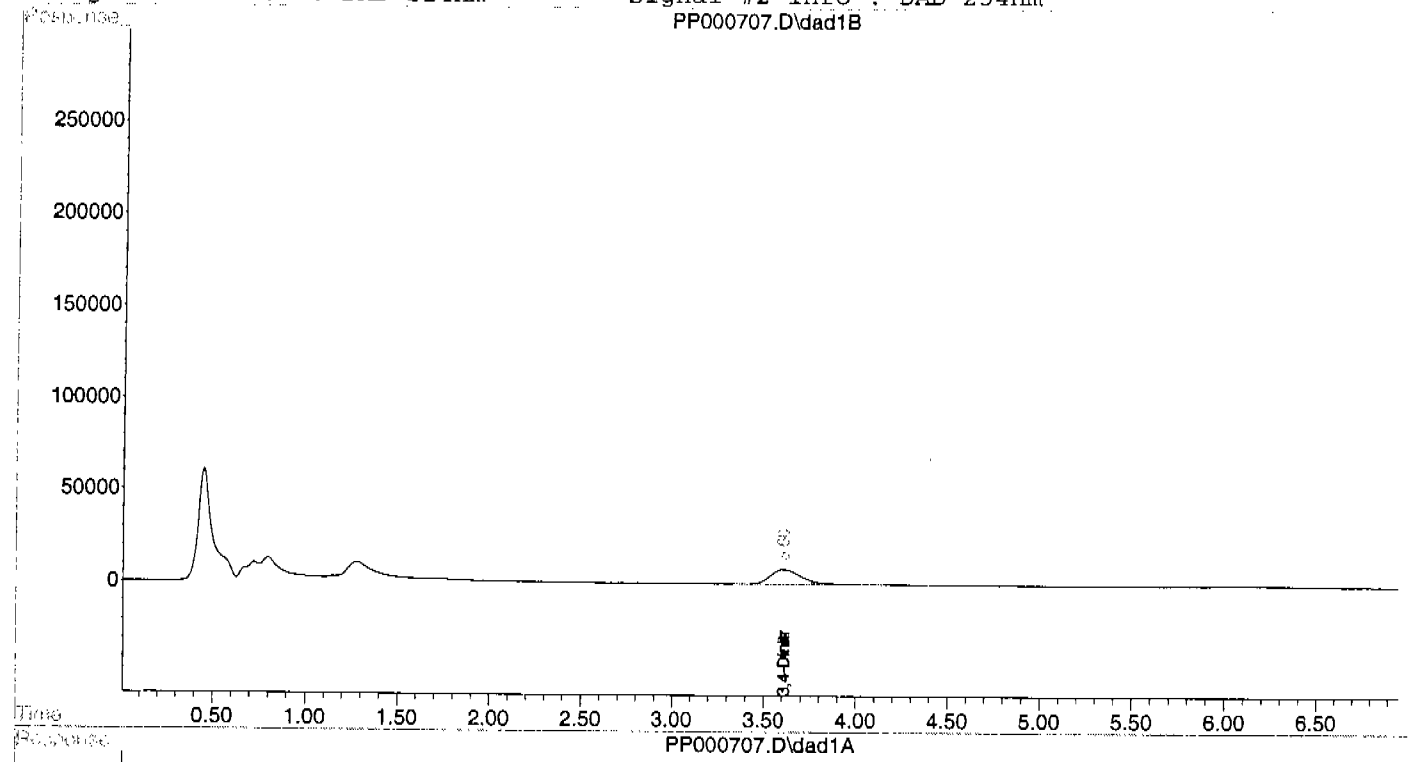
(f)=RT Delta > 1/2 Window (m)=manual int.
PP000707.D 8332_NIT.M Tue Aug 24 13:12:13 2004

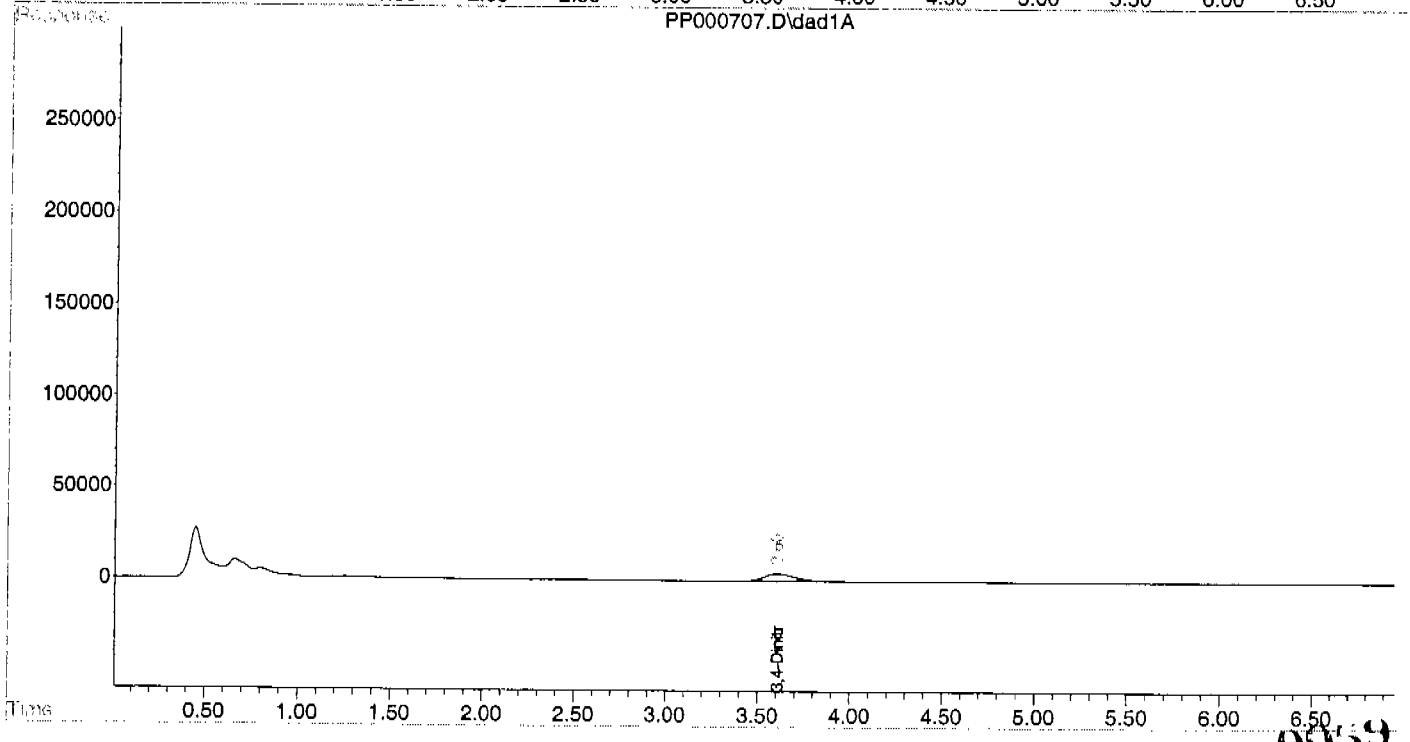
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000707.D\dad1B.ch Vial: 26
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000707.D\dad1A.ch
Acq On : 24-Aug-2004, 12:57:55 Operator: MIKEE
Sample : F26071-5 Inst : G1315B
Misc : op11138,gpp27,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:12 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4149-RANGE RD		
Lab Sample ID:	F26071-6	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8330A SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000748.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.22	0.082	ug/l	
121-82-4	RDX	ND	0.22	0.082	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.22	0.054	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.22	0.054	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.22	0.054	ug/l	
98-95-3	Nitrobenzene	ND	0.22	0.054	ug/l	
88-72-2	o-Nitrotoluene	ND	0.22	0.054	ug/l	
99-08-1	m-Nitrotoluene	ND	0.22	0.054	ug/l	
99-99-0	p-Nitrotoluene	ND	0.22	0.082	ug/l	
479-45-8	Tetryl	ND	0.22	0.082	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.22	0.054	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.22	0.054	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	102%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000748.D\dad1B.ch Vial: 34
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000748.D\dad1A.ch
Acq On : 25-Aug-2004, 10:24:02 Operator: MIKEE
Sample : F26071-6 Inst : G1315B
Misc : op11137,gpp28,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:37 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.92	14.92	1229801	1678138	256.073	257.613
	Spiked Amount 250.000	Range	61 - 124	Recovery	=	102.43%	103.05%
	Target Compounds						
1)	HMX	0.00	0.00	0	0	N.D.	N.D.
2)	RDX	0.00	0.00	0	0	N.D.	N.D.
3)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
4)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
5)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
6)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
8)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
9)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
10)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
11)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
12)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
13)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
14)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
15)	m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.

MDR 8/25/04

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000748.D 8330_EX2.M Wed Aug 25 13:45:07 2004

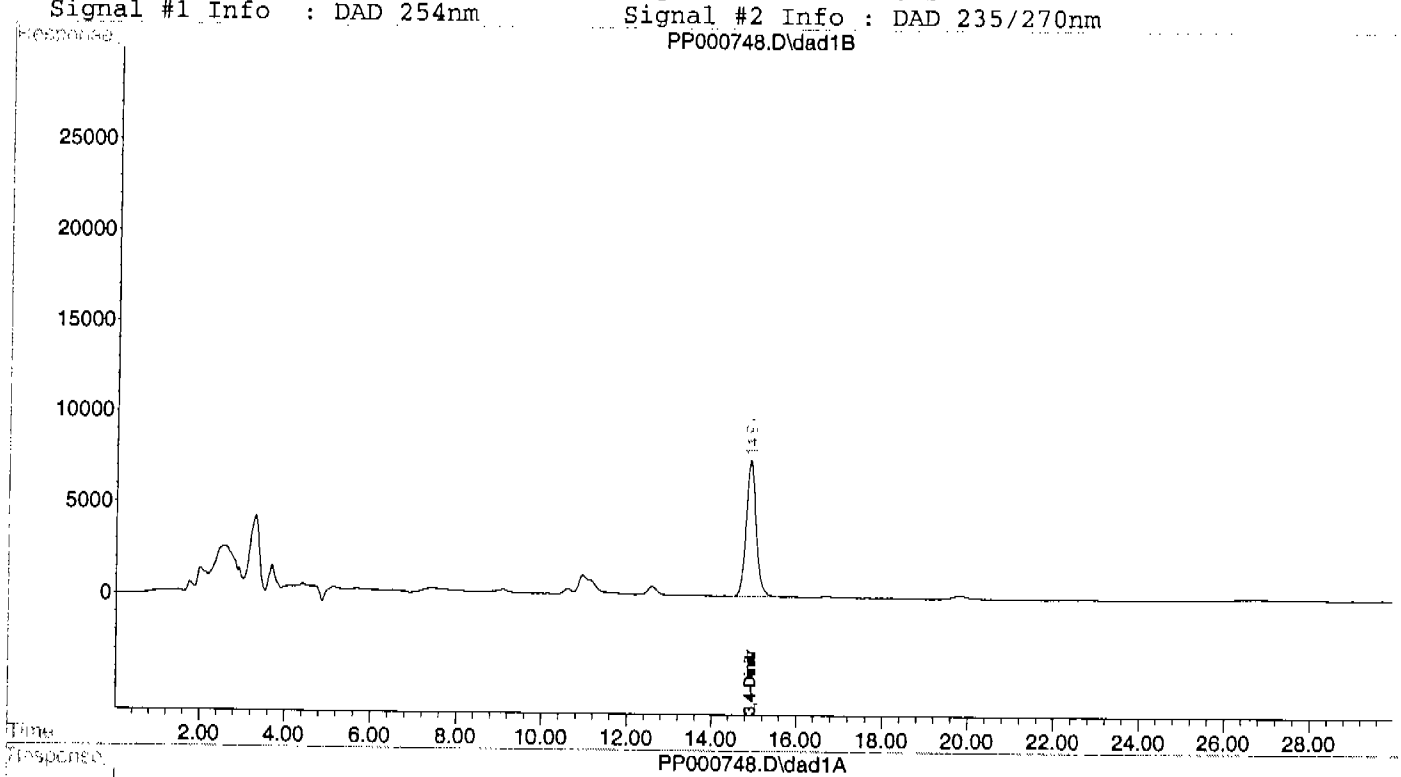
0061

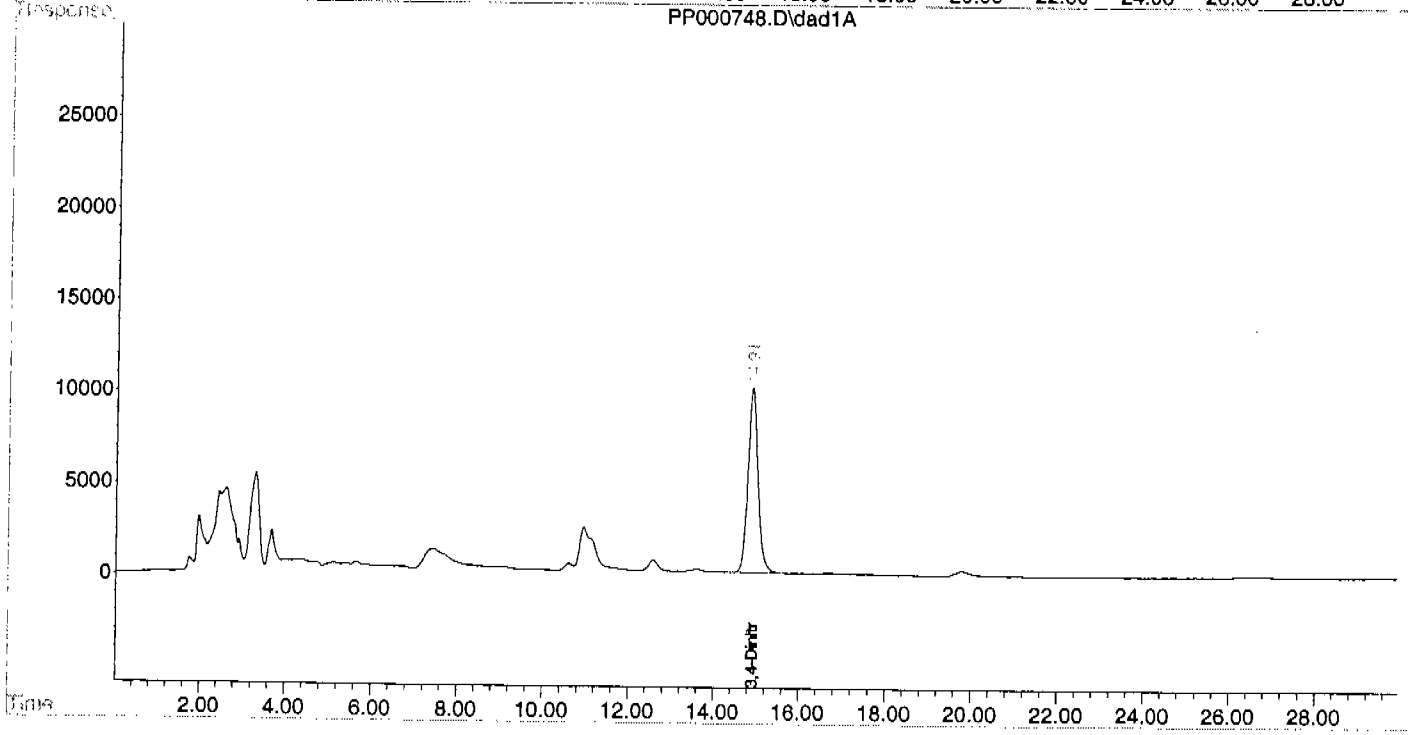
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000748.D\dad1B.ch Vial: 34
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000748.D\dad1A.ch
Acq On : 25-Aug-2004, 10:24:02 Operator: MIKEE
Sample : F26071-6 Inst : G1315B
Misc : op11137,gpp28,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:37 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4149-RANGE RD		
Lab Sample ID:	F26071-6	**Date Sampled:**	08/10/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8332 SW846 3535A	**Percent Solids:**	n/a
Project:	Former Camp Butner		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP000708.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.2	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	97%		61-124%

(a) Sample extracted beyond hold time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000708.D\dad1B.ch Vial: 27
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000708.D\dad1A.ch
Acq On : 24-Aug-2004, 13:06:26 Operator: MIKEE
Sample : F26071-6 Inst : G1315B
Misc : op11138,gpp27,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:15 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	1040876	242.858 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	97.14%
5) S 3,4-Dinitrotoluene #2	3.61	510373	229.738 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	91.90%
Target Compounds			
1) Nitroglycerin	0.00	0	N.D. ppb
3) PETN	0.00	0	N.D. ppb

MDR 8/24/04

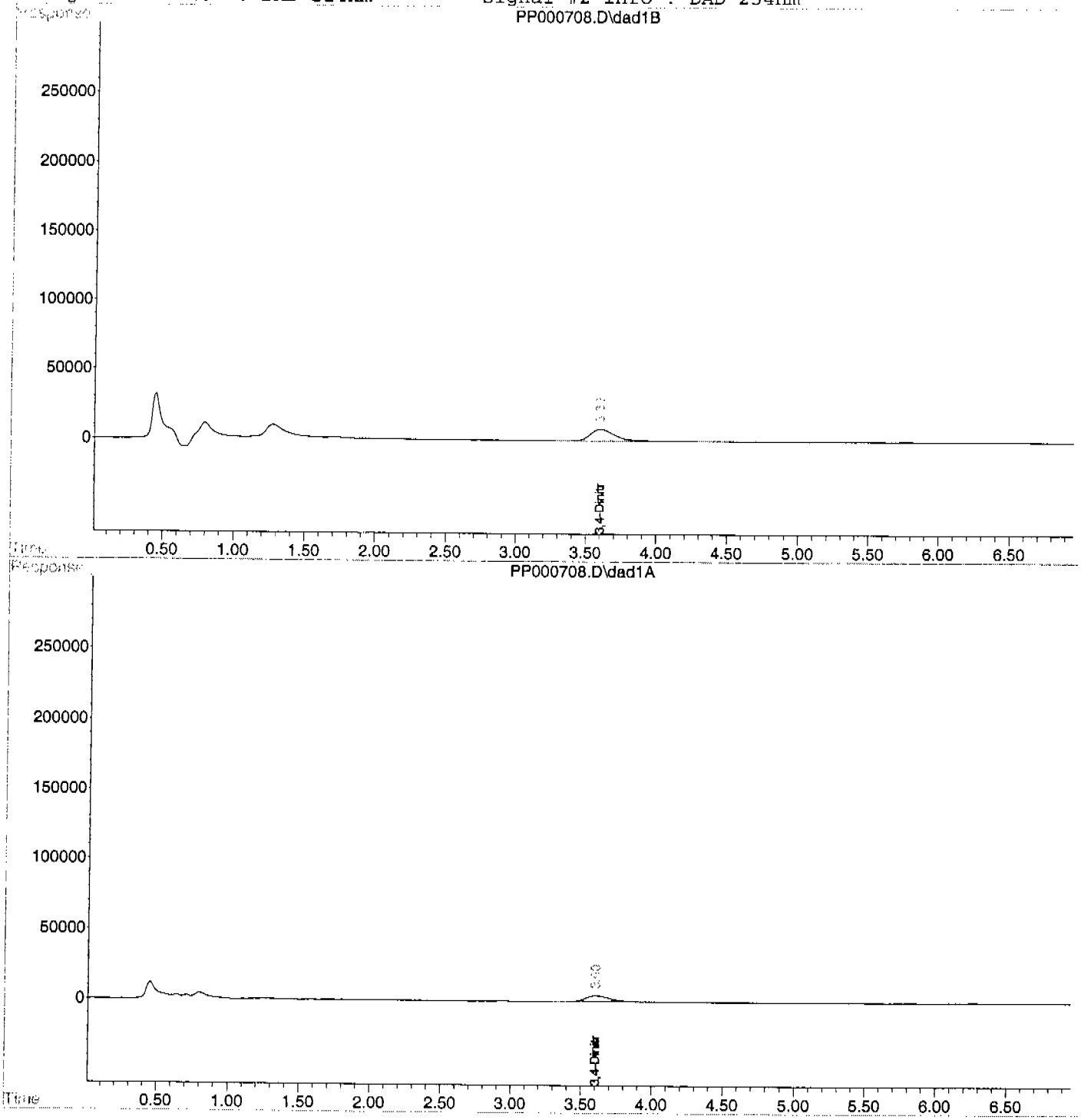
(f)=RT Delta > 1/2 Window (m)=manual int.
PP000708.D 8332_NIT.M Tue Aug 24 13:16:44 2004

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000708.D\dad1B.ch Vial: 27
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000708.D\dad1A.ch
Acq On : 24-Aug-2004, 13:06:26 Operator: MIKEE
Sample : F26071-6 Inst : G1315B
Misc : op11138,gpp27,920,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:15 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm



0065

SURROGATE RECOVERIES SUMMARY

SGC.02

Semivolatile Surrogate Recovery Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Method: SW846 8330A **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
F26071-1	PP000740.D	101.0
F26071-2	PP000741.D	103.0
F26071-3	PP000742.D	105.0
F26071-4	PP000746.D	105.0
F26071-5	PP000747.D	97.0
F26071-6	PP000748.D	102.0
OP11137-BS	PP000738.D	101.0
OP11137-MB	PP000739.D	101.0
OP11137-MS	PP000743.D	102.0
OP11137-MSD	PP000744.D	100.0

Surrogate Compounds	Recovery Limits
S1 = 3,4-Dinitrotoluene	61-124%

(a) Recovery from GC signal #1

Semivolatile Surrogate Recovery Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Method: SW846 8332 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
F26071-1	PP000703.D	107.0
F26071-2	PP000704.D	99.0
F26071-3	PP000705.D	93.0
F26071-4	PP000706.D	91.0
F26071-5	PP000707.D	90.0
F26071-6	PP000708.D	97.0
OP11138-BS	PP000701.D	103.0
OP11138-MB	PP000702.D	113.0
OP11138-MS	PP000709.D	95.0
OP11138-MSD	PP000710.D	99.0

Surrogate Compounds	Recovery Limits
S1 = 3,4-Dinitrotoluene	61-124%

(a) Recovery from GC signal #1

GC SURROGATE RETENTION TIME

SGC.03

GC Surrogate Retention Time Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Check Std:	GPP28-CC28	**Injection Date:**	08/25/04
Lab File ID:	PP000737.D	**Injection Time:**	04:32
Instrument ID:	GCPP	**Method:**	SW846 8330A

	S1 [a] RT
Check Std	14.93

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP11137-BS	PP000738.D	08/25/04	05:04	14.93
OP11137-MB	PP000739.D	08/25/04	05:36	14.94
F26071-1	PP000740.D	08/25/04	06:08	14.93
F26071-2	PP000741.D	08/25/04	06:40	14.93
F26071-3	PP000742.D	08/25/04	07:12	14.93
OP11137-MS	PP000743.D	08/25/04	07:44	14.92
OP11137-MSD	PP000744.D	08/25/04	08:16	14.91

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Check Std:	GPP28-CC28	**Injection Date:**	08/25/04
Lab File ID:	PP000745.D	**Injection Time:**	08:48
Instrument ID:	GCPP	**Method:**	SW846 8330A

	S1 [a] RT	S1 [b] RT
Check Std	14.92	14.92

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
F26071-4	PP000746.D	08/25/04	09:20	14.92	
F26071-5	PP000747.D	08/25/04	09:52	14.92	
F26071-6	PP000748.D	08/25/04	10:24	14.92	
ZZZZZZ	PP000749.D	08/25/04	10:56	14.92	
ZZZZZZ	PP000750.D	08/25/04	11:28	14.89	
ZZZZZZ	PP000751.D	08/25/04	11:59	0.00	
GPP28-ECC28	PP000753.D	08/25/04	13:03	14.94	14.94

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Check Std:	GPP27-CC27	**Injection Date:**	08/24/04
Lab File ID:	PP000700.D	**Injection Time:**	11:58
Instrument ID:	GCPP	**Method:**	SW846 8332

	S1 [a] RT	S1 [b] RT
Check Std	3.62	3.62

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
OP11138-BS	PP000701.D	08/24/04	12:06	3.61	
OP11138-MB	PP000702.D	08/24/04	12:15	3.60	
F26071-1	PP000703.D	08/24/04	12:23	3.60	
F26071-2	PP000704.D	08/24/04	12:32	3.60	
F26071-3	PP000705.D	08/24/04	12:40	3.61	
F26071-4	PP000706.D	08/24/04	12:49	3.60	
F26071-5	PP000707.D	08/24/04	12:57	3.61	
F26071-6	PP000708.D	08/24/04	13:06	3.60	
OP11138-MS	PP000709.D	08/24/04	13:14	3.60	
OP11138-MSD	PP000710.D	08/24/04	13:23	3.61	
GPP27-ECC27	PP000711.D	08/24/04	13:31	3.60	3.60

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

METHOD BLANK SUMMARY

SGC.04

Method Blank Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11137-MB	PP000739.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28

The QC reported here applies to the following samples: **Method:** SW846 8330A

F26071-1, F26071-2, F26071-3, F26071-4, F26071-5, F26071-6

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.20	0.075	ug/l	
121-82-4	RDX	ND	0.20	0.075	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	0.20	0.050	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.20	0.050	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.20	0.050	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	0.20	0.050	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	0.20	0.050	ug/l	
98-95-3	Nitrobenzene	ND	0.20	0.050	ug/l	
88-72-2	o-Nitrotoluene	ND	0.20	0.050	ug/l	
99-08-1	m-Nitrotoluene	ND	0.20	0.050	ug/l	
99-99-0	p-Nitrotoluene	ND	0.20	0.075	ug/l	
479-45-8	Tetryl	ND	0.20	0.075	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	0.20	0.050	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.20	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
610-39-9	3,4-Dinitrotoluene	101%	61-124%

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000739.D\dad1B.ch Vial: 26
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000739.D\dad1A.ch
Acq On : 25-Aug-2004, 05:36:12 Operator: MIKEE
Sample : OP11137-MB Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:31 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.94	14.94	1215790	1661332	253.156	255.033
	Spiked Amount 250.000	Range	61 - 124	Recovery	=	101.26%	102.01%
	Target Compounds						
1)	HMX	0.00	0.00	0	0	N.D.	N.D.
2)	RDX	0.00	0.00	0	0	N.D.	N.D.
3)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
4)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
5)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
6)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
8)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
9)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
10)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
11)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
13)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
14)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
15)	m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.

MB 8/25/04

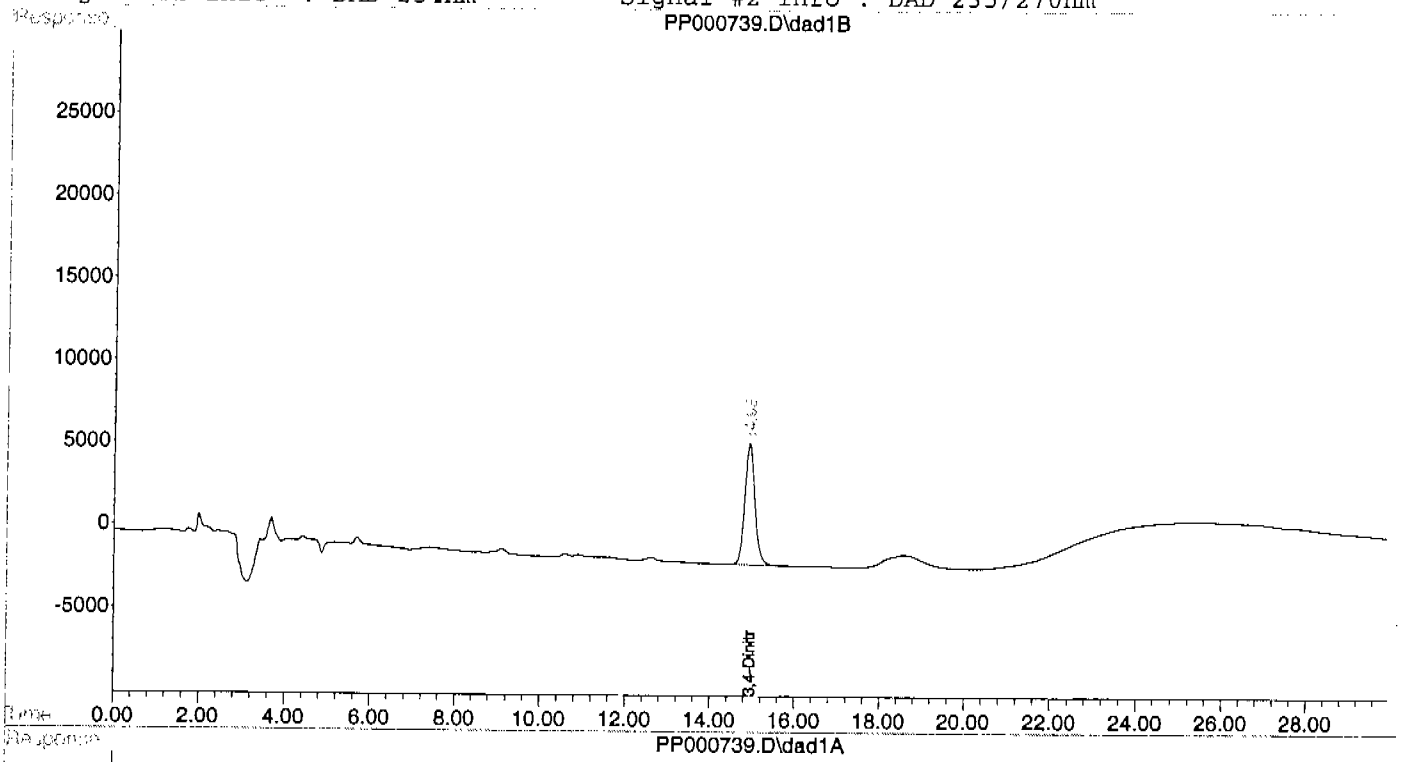
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

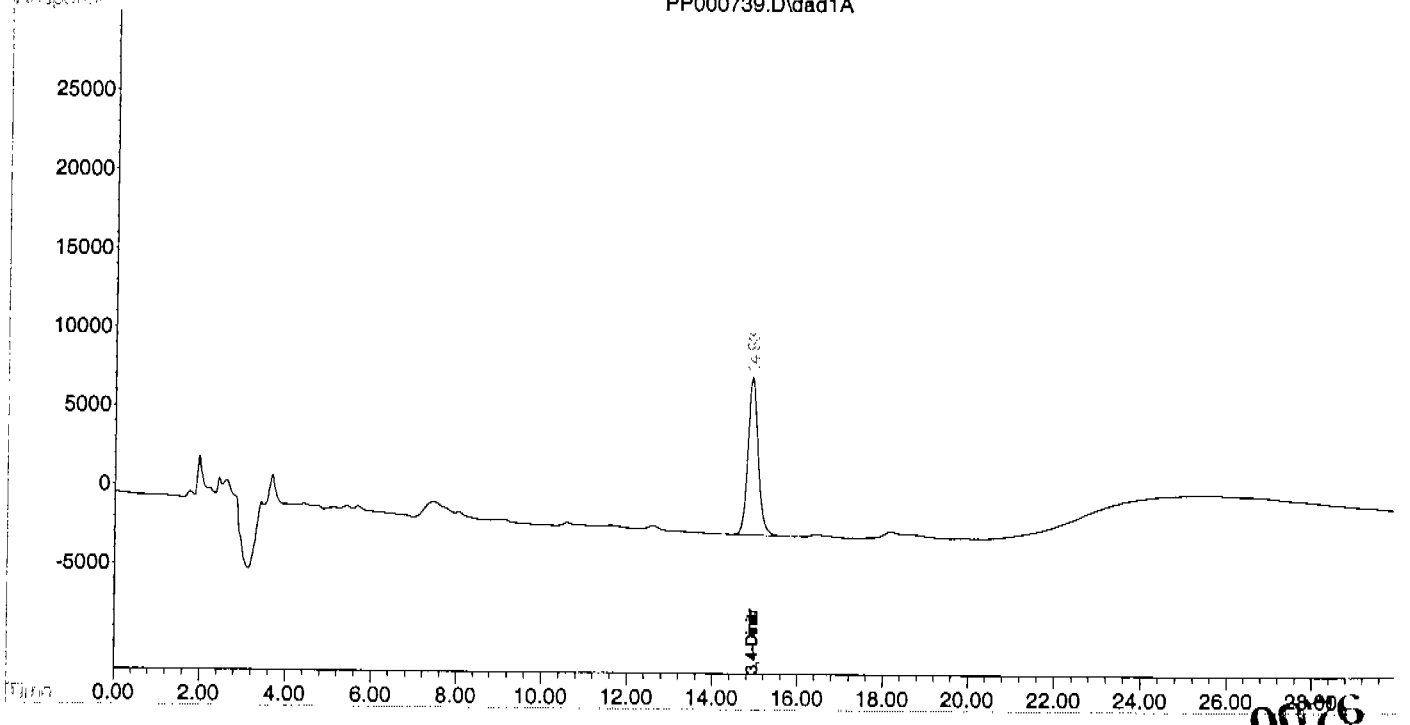
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000739.D\dad1B.ch Vial: 26
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000739.D\dad1A.ch
Acq On : 25-Aug-2004, 05:36:12 Operator: MIKEE
Sample : OP11137-MB Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:31 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Method Blank Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11138-MB	PP000702.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27

The QC reported here applies to the following samples: **Method:** SW846 8332

F26071-1, F26071-2, F26071-3, F26071-4, F26071-5, F26071-6

CAS No.	Compound	Result	RL	MDL	Units	Q
55-63-0	Nitroglycerine	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
610-39-9	3,4-Dinitrotoluene	113%	61-124%

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000702.D\dad1B.ch Vial: 21
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000702.D\dad1A.ch
Acq On : 24-Aug-2004, 12:15:24 Operator: MIKEE
Sample : OP11138-MB Inst : G1315B
Misc : op11138,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:10 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
2) S 3,4-Dinitrotoluene	3.60	1213988	283.249	ppb	m
Spiked Amount 250.000 Range 61 - 124 Recovery = 113.30%					
5) S 3,4-Dinitrotoluene #2	3.60	651882	293.436	ppb	m
Spiked Amount 250.000 Range 61 - 124 Recovery = 117.37%					
Target Compounds					
1) Nitroglycerin	0.00	0	N.D.	ppb	
3) PETN	0.00	0	N.D.	ppb	

p11

8/24/04

SW 8-24-04

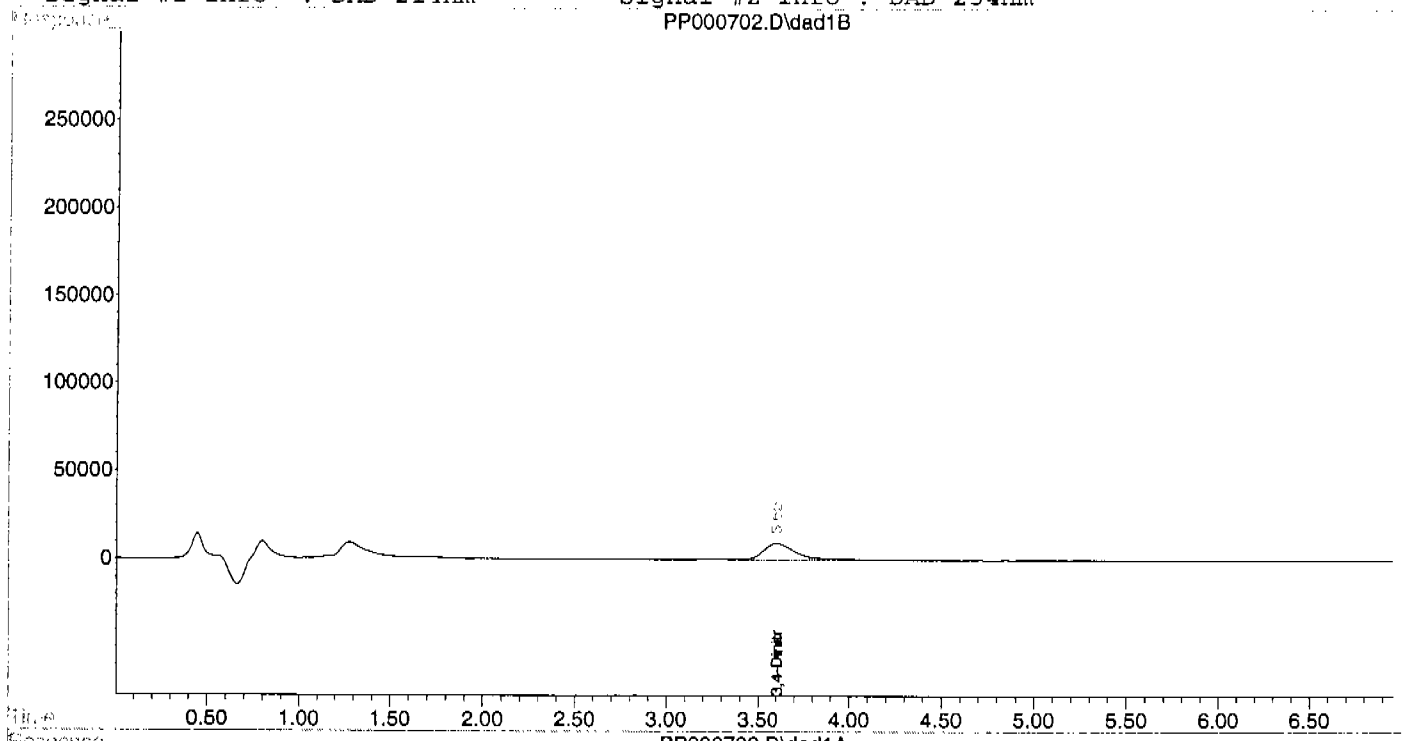
(f)=RT Delta > 1/2 Window (m)=manual int.

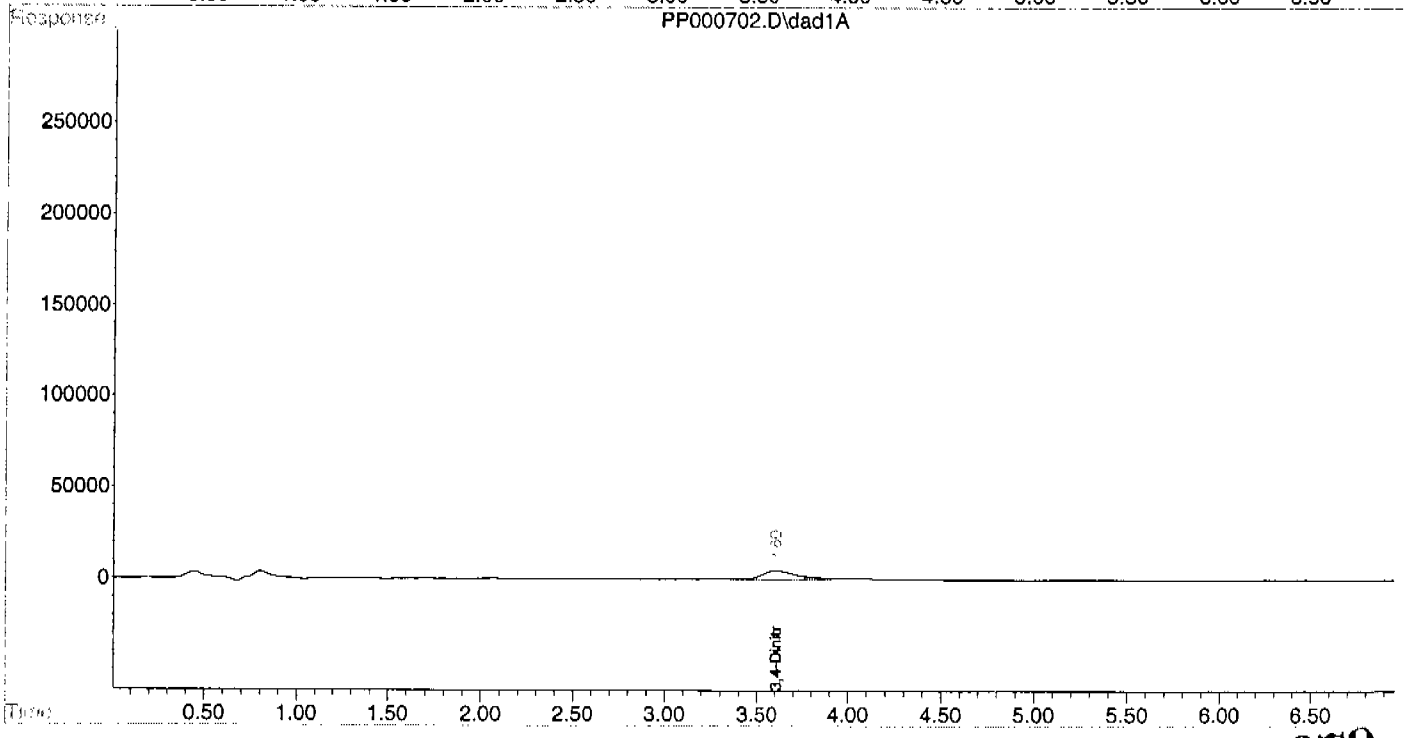
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000702.D\dad1B.ch Vial: 21
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000702.D\dad1A.ch
Acq On : 24-Aug-2004, 12:15:24 Operator: MIKEE
Sample : OP11138-MB Inst : G1315B
Misc : op11138,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:10 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





BLANK SPIKE SUMMARY

SGC.05

Blank Spike Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11137-BS	PP000738.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28

The QC reported here applies to the following samples: **Method:** SW846 8330A

F26071-1, F26071-2, F26071-3, F26071-4, F26071-5, F26071-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
2691-41-0	HMX	2.5	2.8	112	79-119
121-82-4	RDX	2.5	2.7	108	73-119
99-65-0	1,3-Dinitrobenzene	2.5	2.7	108	77-117
606-20-2	2,6-Dinitrotoluene	2.5	2.9	116	77-123
121-14-2	2,4-Dinitrotoluene	2.5	2.7	108	74-119
35572-78-2	2-amino-4,6-Dinitrotoluene	2.5	2.8	112	77-121
19406-51-0	4-amino-2,6-Dinitrotoluene	2.5	2.8	112	76-121
98-95-3	Nitrobenzene	2.5	2.4	96	66-122
88-72-2	o-Nitrotoluene	2.5	2.4	96	68-120
99-08-1	m-Nitrotoluene	2.5	2.5	100	69-120
99-99-0	p-Nitrotoluene	2.5	2.4	96	75-118
479-45-8	Tetryl	2.5	2.2	88	63-122
99-35-4	1,3,5-Trinitrobenzene	2.5	2.6	104	77-115
118-96-7	2,4,6-Trinitrotoluene	2.5	2.5	100	76-113

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	101%	61-124%

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000738.D\dad1B.ch Vial: 25
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000738.D\dad1A.ch
Acq On : 25-Aug-2004, 05:04:13 Operator: MIKEE
Sample : OP11137-BS Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:31 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.93	14.93	1206955	1652336	251.316	253.652
	Spiked Amount 250.000 Range 61 - 124 Recovery =					100.53%	101.46%
	Target Compounds						
1)	HMX	4.46	4.47	891186	2548545	277.509m BC	274.718 pll
2)	RDX	7.04	7.03	1025931	1725076	265.670	267.298m pll
3)	1,3,5-Trinitrobe	9.63	9.63	2238728	4505876	264.466	266.287
4)	1,3-Dinitrobenze	11.87	11.87	3053097	3687282	267.743	270.100
5)	Tetryl	12.99	12.99	1424063	2594474	220.522	221.599
6)	Nitrobenzene	13.60	13.60	1737866	818671	236.638	235.458
8)	2,4,6-Trinitroto	15.59	15.59	2005150	2936268	250.436	250.498
9)	4-Amino-2,6-Dini	16.47	16.47	1549387	4168374	283.531	280.014
10)	2-Amino-4,6-Dini	17.31	17.31	2075177	3492490	281.316	279.873
11)	2,6-Dinitrotolue	18.36	18.36	1519470	2069587	288.891	289.564
12)	2,4-Dinitrotolue	18.94	18.94	2853356	2576274	268.684	267.186
13)	o-Nitrotoluene	22.55	22.55	1104894	1186004	238.305	237.924
14)	p-Nitrotoluene	24.13	24.13	921283	1885013	235.749	239.713
15)	m-Nitrotoluene	26.04	26.04	1269067	1933396	251.250m	254.308m pll

pll 8/29/04

8/25/04

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000738.D 8330_EX2.M Wed Aug 25 13:44:41 2004

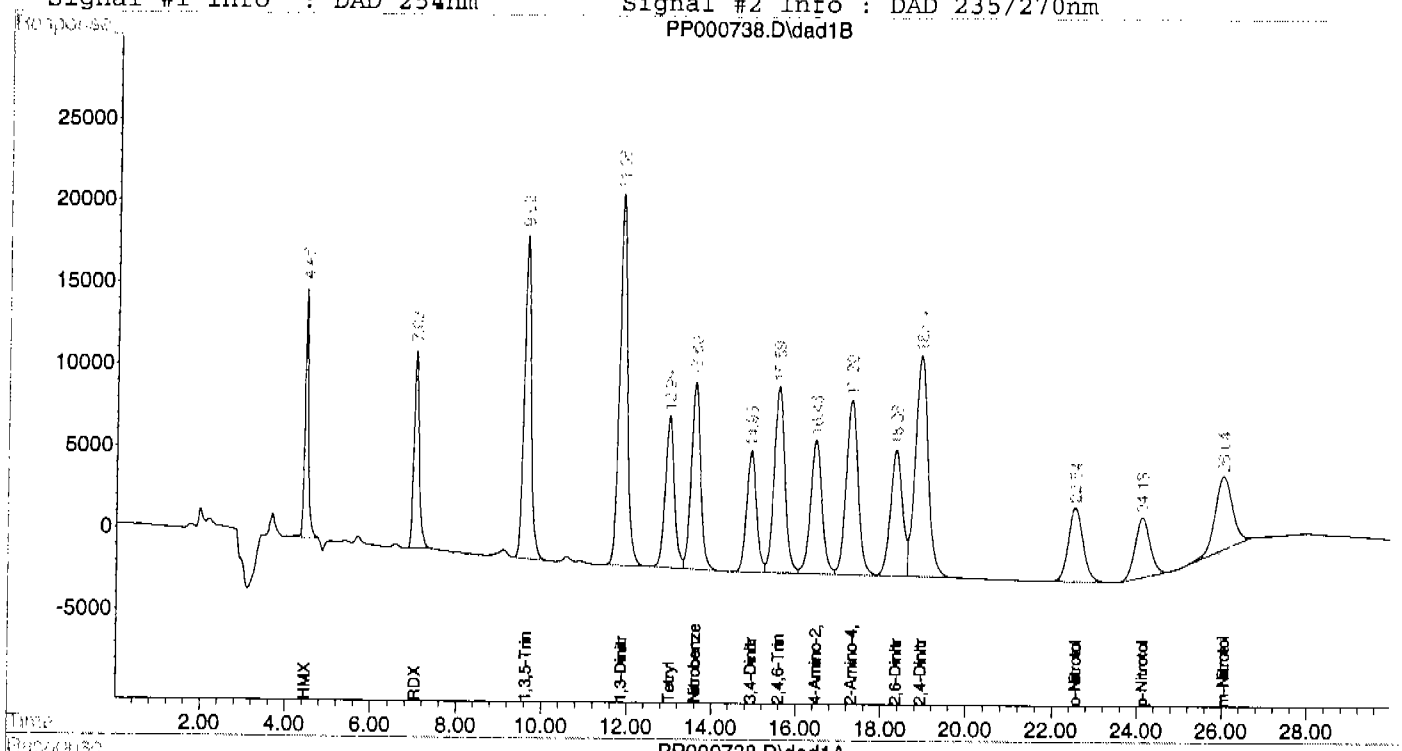
0082

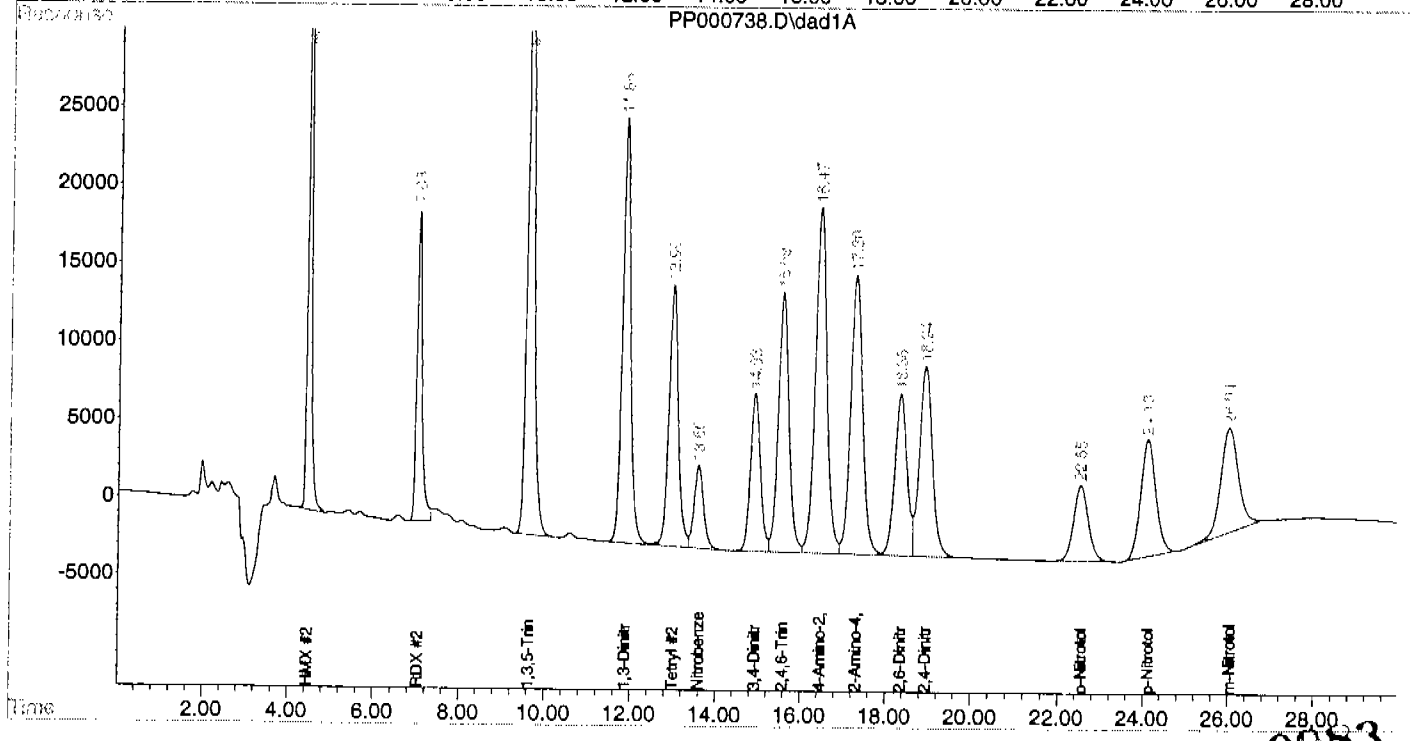
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000738.D\dad1B.ch Vial: 25
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000738.D\dad1A.ch
Acq On : 25-Aug-2004, 05:04:13 Operator: MIKEE
Sample : OP11137-BS Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:31 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Blank Spike Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11138-BS	PP000701.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27

The QC reported here applies to the following samples: **Method:** SW846 8332

F26071-1, F26071-2, F26071-3, F26071-4, F26071-5, F26071-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
55-63-0	Nitroglycerine	25	28.0	112	67-121

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	103%	61-124%

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000701.D\dad1B.ch Vial: 20
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000701.D\dad1A.ch
Acq On : 24-Aug-2004, 12:06:51 Operator: MIKEE
Sample : OP11138-BS Inst : G1315B
Misc : op11138,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:10 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.61	1100535	256.777 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 102.71%	
5) S 3,4-Dinitrotoluene #2	3.61	529771	238.470 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 95.39%	
Target Compounds			
1) Nitroglycerin	2.93	3269678	2795.172 ppb
3) PETN	5.14	3582957	2661.380 ppb

MK 8/24/04

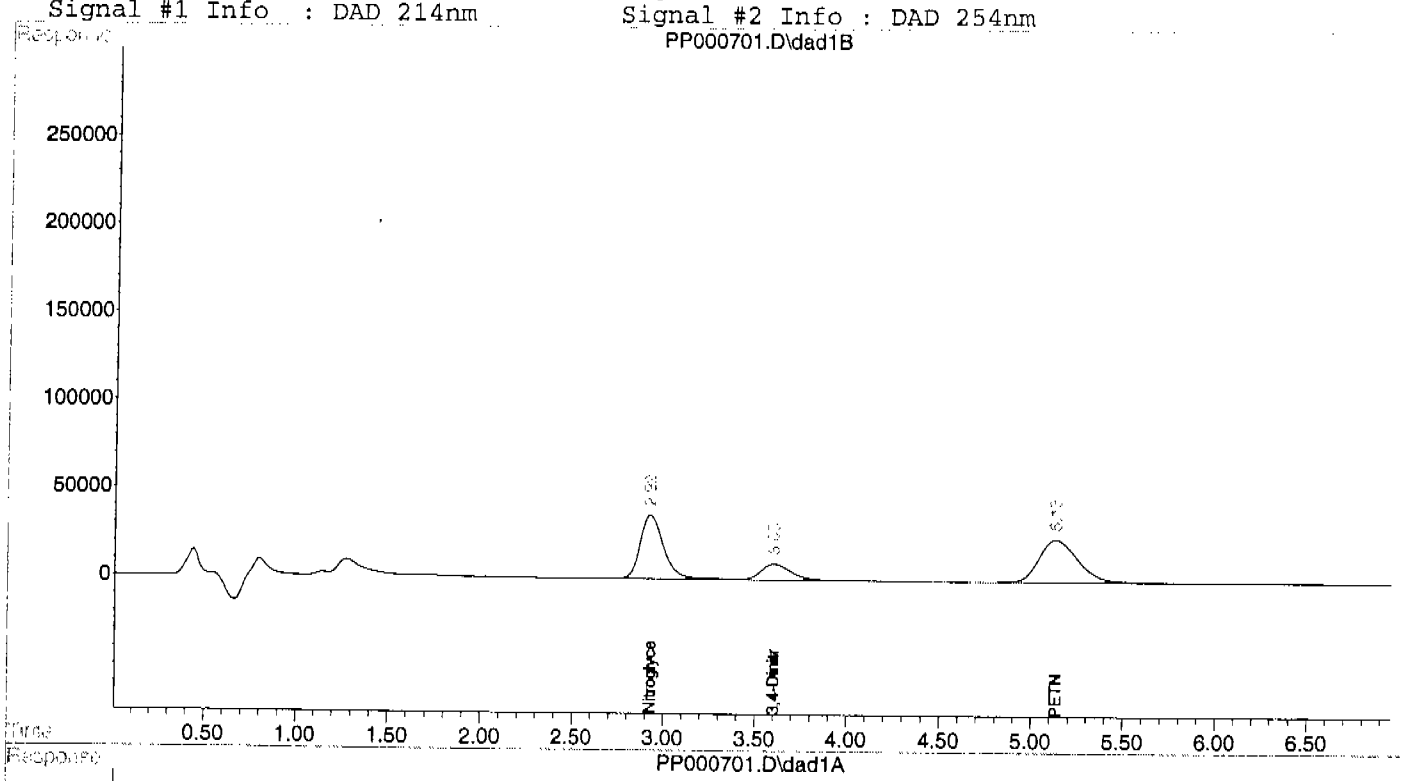
(f)=RT Delta > 1/2 Window (m)=manual int.

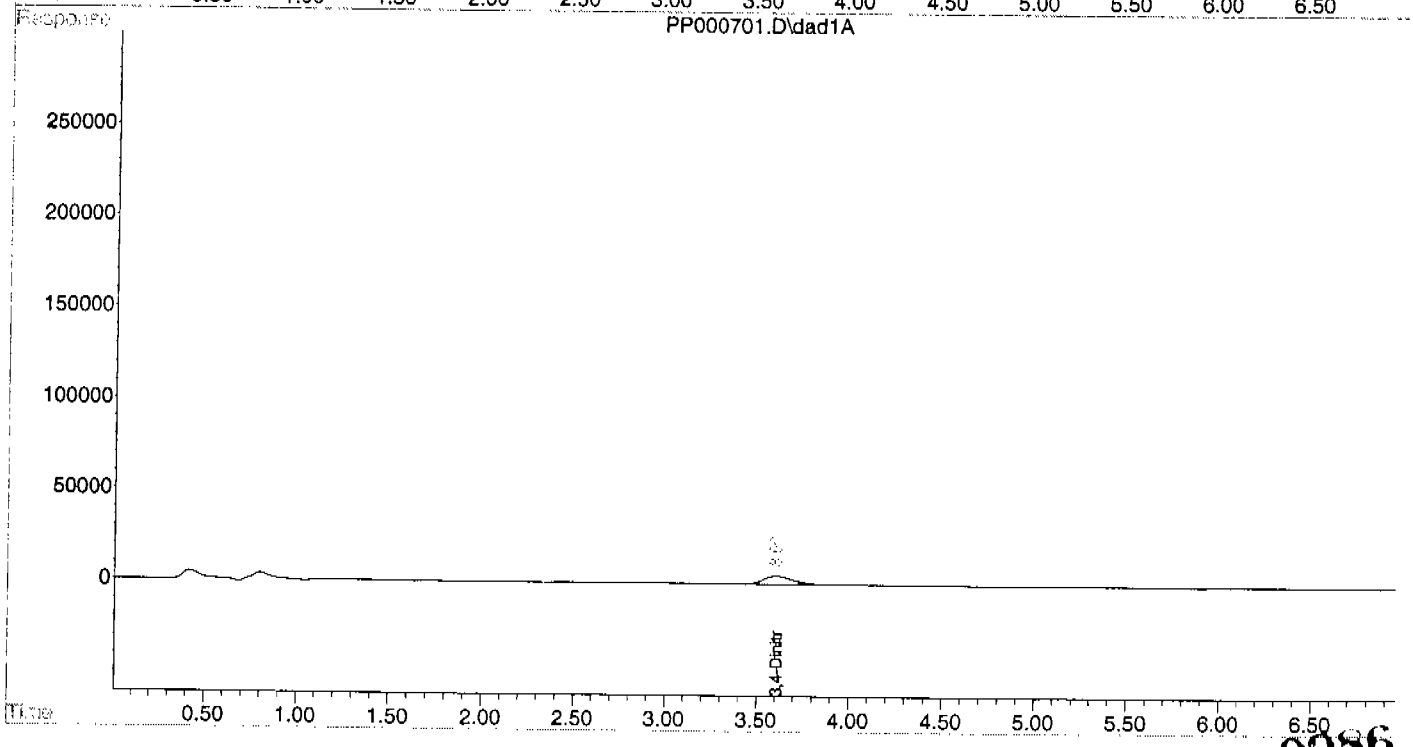
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000701.D\dad1B.ch Vial: 20
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000701.D\dad1A.ch
Acq On : 24-Aug-2004, 12:06:51 Operator: MIKEE
Sample : OP11138-BS Inst : G1315B
Misc : op11138,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:10 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY

SGC.06

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11137-MS	PP000743.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
OP11137-MSD	PP000744.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28
F26071-3 [a]	PP000742.D	1	08/25/04	MRE	08/20/04	OP11137	GPP28

The QC reported here applies to the following samples: **Method:** SW846 8330A

F26071-1, F26071-2, F26071-3, F26071-4, F26071-5, F26071-6

CAS No.	Compound	F26071-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
2691-41-0	HMX	ND		5.95	6.3	106	6.4	108	2	73-123/13
121-82-4	RDX	ND		5.95	6.0	101	6.3	106	5	65-126/13
99-65-0	1,3-Dinitrobenzene	ND		5.95	6.2	104	6.4	108	3	77-117/12
606-20-2	2,6-Dinitrotoluene	ND		5.95	6.7	113	6.9	116	3	77-122/16
121-14-2	2,4-Dinitrotoluene	ND		5.95	6.3	106	6.5	109	3	72-121/15
35572-78-2	2-amino-4,6-Dinitrotoluene	ND		5.95	6.8	114	7.0	118	3	68-128/17
19406-51-0	4-amino-2,6-Dinitrotoluene	ND		5.95	6.9	116	7.1	119	3	67-127/16
98-95-3	Nitrobenzene	ND		5.95	5.9	99	6.1	102	3	73-121/15
88-72-2	o-Nitrotoluene	ND		5.95	6.3	106	6.5	109	3	75-119/17
99-08-1	m-Nitrotoluene	ND		5.95	6.3	106	6.5	109	3	66-129/16
99-99-0	p-Nitrotoluene	ND		5.95	6.3	106	6.6	111	5	75-122/18
479-45-8	Tetryl	ND		5.95	5.4	91	5.5	92	2	42-135/15
99-35-4	1,3,5-Trinitrobenzene	ND		5.95	6.1	102	6.3	106	3	72-116/12
118-96-7	2,4,6-Trinitrotoluene	ND		5.95	5.9	99	6.1	102	3	70-117/14

CAS No.	Surrogate Recoveries	MS	MSD	F26071-3	Limits
610-39-9	3,4-Dinitrotoluene	102%	100%	105%	61-124%

(a) Sample extracted beyond hold time.

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000743.D\dad1B.ch Vial: 30
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000743.D\dad1A.ch
Acq On : 25-Aug-2004, 07:44:07 Operator: MIKEE
Sample : OP11137-MS Inst : G1315B
Misc : op11137,gpp28,420,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:33 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.92	14.92	1227929	1674937	255.683	257.122
Spiked Amount	250.000 Range	61 - 124		Recovery	=	102.27%	102.85%
	Target Compounds						
1)	HMX	4.46	4.46	848128	2465384	264.101m	265.753
2)	RDX	7.03	7.03	970622	1698848	251.348	263.234m
3)	1,3,5-Trinitrobe	9.62	9.62	2158330	4380395	254.969	258.872
4)	1,3-Dinitrobenze	11.86	11.86	2963584	3580479	259.893	262.277
5)	Tetryl	12.99	12.99	1471380	2672962	227.849	228.302
6)	Nitrobenzene	13.59	13.59	1825388	857448	248.556	246.611
7)	2,4,6-Trinitroto	15.58	15.58	1981490	2891433	247.481	246.673
8)	4-Amino-2,6-Dini	16.46	16.46	1572411	4163246	287.745	279.669
10)	2-Amino-4,6-Dini	17.30	17.30	2103957	3526034	285.218	282.561
11)	2,6-Dinitrotolue	18.36	18.36	1495239	2017403	284.284	282.263
12)	2,4-Dinitrotolue	18.93	18.93	2805600	2548174	264.188	264.272
13)	o-Nitrotoluene	22.53	22.53	1226432	1307670	264.518	262.332
14)	p-Nitrotoluene	24.11	24.11	1031233	2107706	263.884	268.032
15)	m-Nitrotoluene	26.02	26.02	1345062	2038932	266.296	268.190

MJ 8/25/04

8/25/04

0089

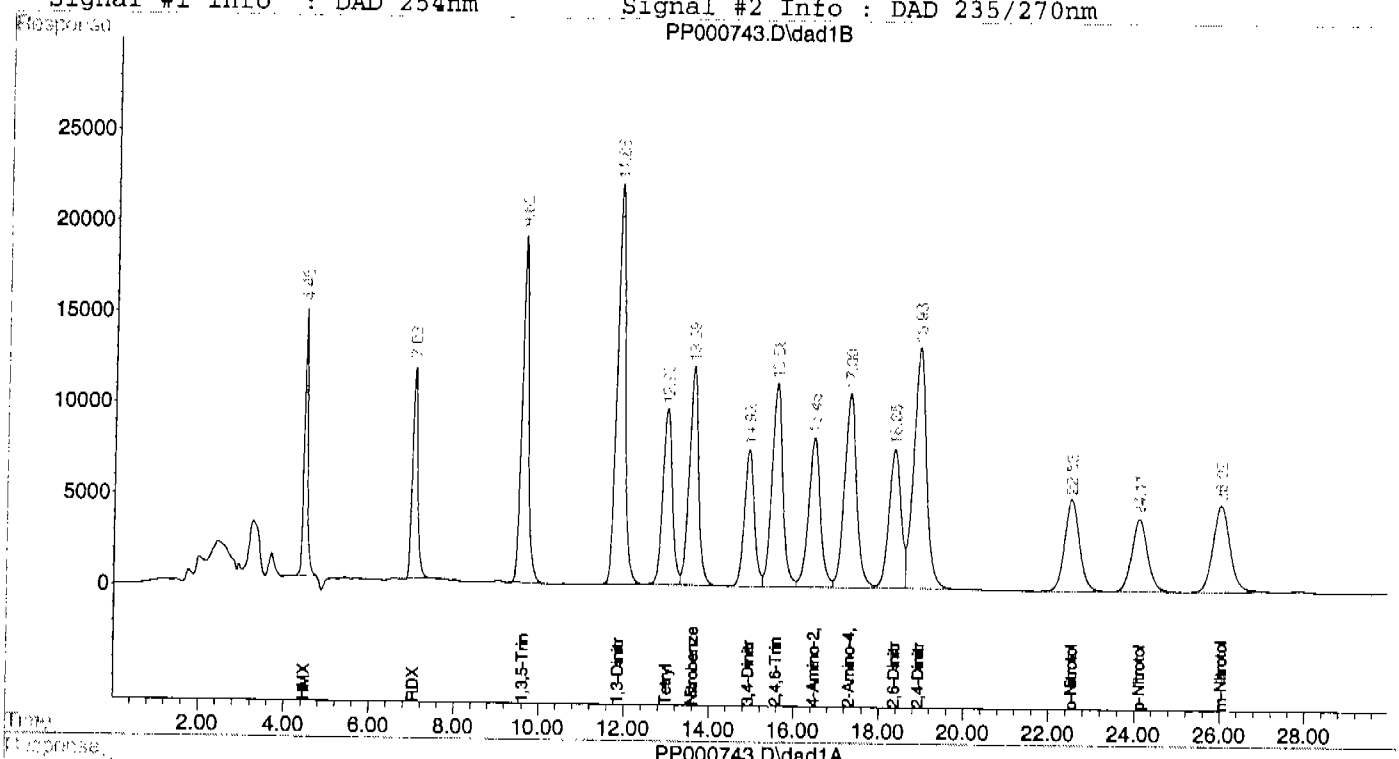
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000743.D 8330_EX2.M Wed Aug 25 13:44:53 2004

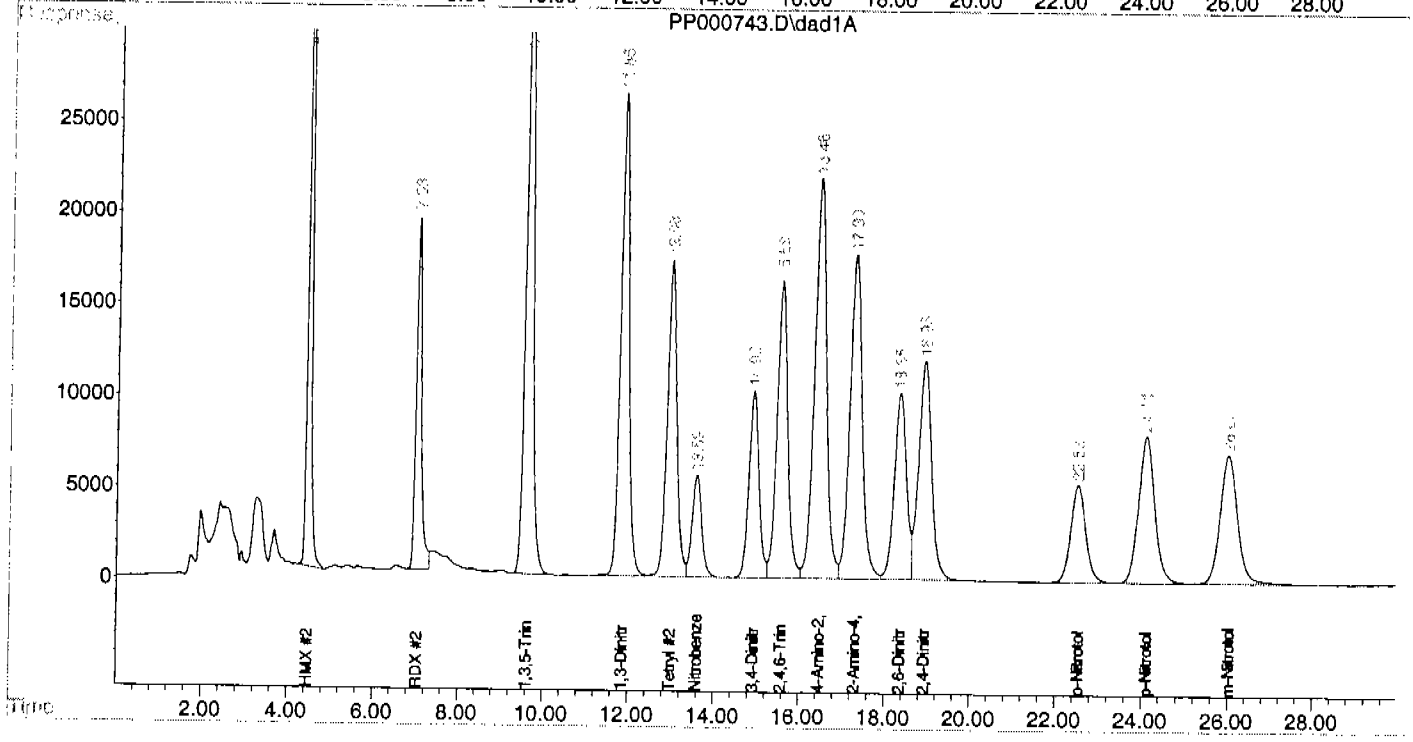
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000743.D\dad1B.ch Vial: 30
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000743.D\dad1A.ch
Acq On : 25-Aug-2004, 07:44:07 Operator: MIKEE
Sample : OP11137-MS Inst : G1315B
Misc : op11137,gpp28,420,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:33 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000744.D\dad1B.ch Vial: 31
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000744.D\dad1A.ch
Acq On : 25-Aug-2004, 08:16:07 Operator: MIKEE
Sample : OP11137-MSD Inst : G1315B
Misc : op11137,gpp28,420,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:33 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.91	14.91	1201034	1641390	250.083	251.972
	Spiked Amount 250.000	Range	61 - 124	Recovery	=	100.03%	100.79%
	Target Compounds						
1)	HMX	4.46	4.46	869811	2553220	270.852m	275.222
2)	RDX	7.03	7.03	1015169	1747109	262.883	270.712m
3)	1,3,5-Trinitrobe	9.62	9.62	2255253	4560883	266.419	269.538
4)	1,3-Dinitrobenze	11.85	11.85	3079934	3725289	270.096	272.884
5)	Tetryl	12.97	12.97	1494262	2737827	231.393	233.843
6)	Nitrobenzene	13.58	13.58	1887047	891612	256.952	256.436
8)	2,4,6-Trinitroto	15.57	15.57	2049893	2996418	256.025	255.630
9)	4-Amino-2,6-Dini	16.45	16.45	1619283	4312555	296.322	289.699
10)	2-Amino-4,6-Dini	17.28	17.28	2169670	3651165	294.126	292.588
11)	2,6-Dinitrotolue	18.34	18.34	1535302	2074460	291.901	290.246
12)	2,4-Dinitrotolue	18.92	18.92	2893480	2636893	272.463	273.473
13)	o-Nitrotoluene	22.51	22.51	1265151	1364436	272.869	273.720
14)	p-Nitrotoluene	24.09	24.09	1084868	2197363	277.609	279.434
15)	m-Nitrotoluene	26.00	26.00	1388488	2132108	274.893	280.446

8/25/04

8/25/04

0091

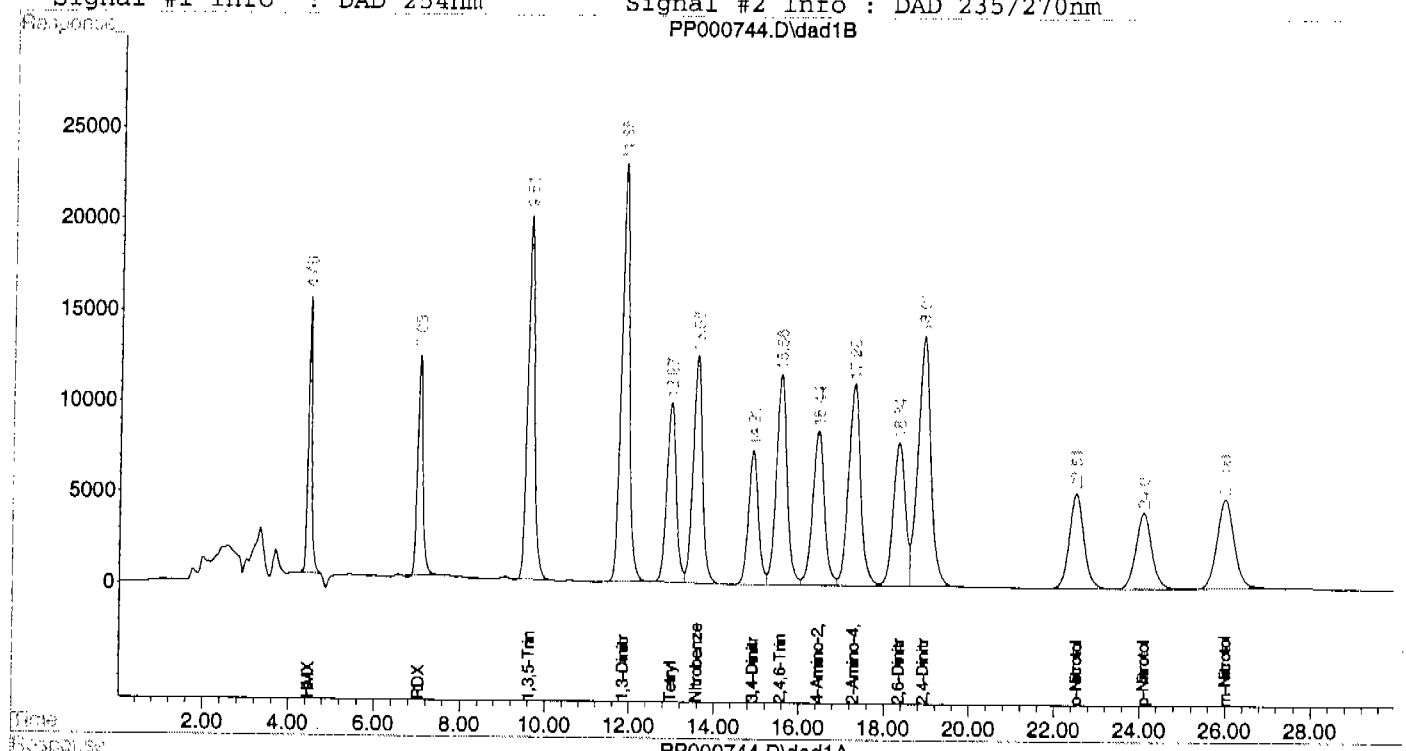
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

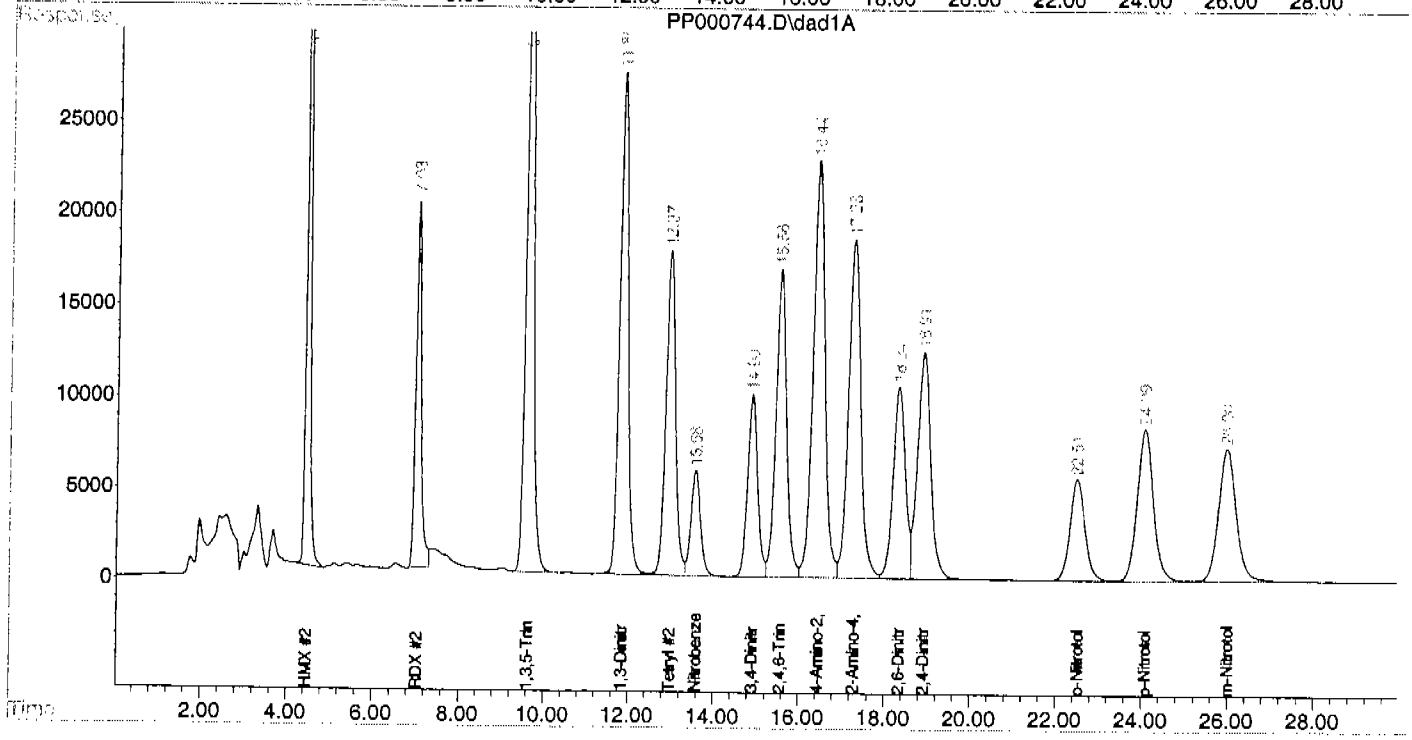
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000744.D\dad1B.ch Vial: 31
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000744.D\dad1A.ch
Acq On : 25-Aug-2004, 08:16:07 Operator: MIKEE
Sample : OP11137-MSD Inst : G1315B
Misc : op11137,gpp28,420,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:33 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F26071
Account: ENSRMA ENSR
Project: Former Camp Butner

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11138-MS	PP000709.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
OP11138-MSD	PP000710.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27
F26071-6 [a]	PP000708.D	1	08/24/04	MRE	08/20/04	OP11138	GPP27

The QC reported here applies to the following samples: **Method:** SW846 8332

F26071-1, F26071-2, F26071-3, F26071-4, F26071-5, F26071-6

CAS No.	Compound	F26071-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
55-63-0	Nitroglycerine	ND		62.5	69.1	111	71.8	115	4	57-127/13

CAS No.	Surrogate Recoveries	MS	MSD	F26071-6	Limits
610-39-9	3,4-Dinitrotoluene	95%	99%	97%	61-124%

(a) Sample extracted beyond hold time.

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000709.D\dad1B.ch Vial: 28
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000709.D\dad1A.ch
Acq On : 24-Aug-2004, 13:14:57 Operator: MIKEE
Sample : OP11138-MS Inst : G1315B
Misc : op11138,gpp27,400,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:35 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	1021082	238.239 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 95.30%	
5) S 3,4-Dinitrotoluene #2	3.60	491070	221.049 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 88.42%	
Target Compounds			
1) Nitroglycerin	2.93	3231028	2762.130 ppb
3) PETN	5.13	3615540	2685.582 ppb

KWR 8/24/04

0094

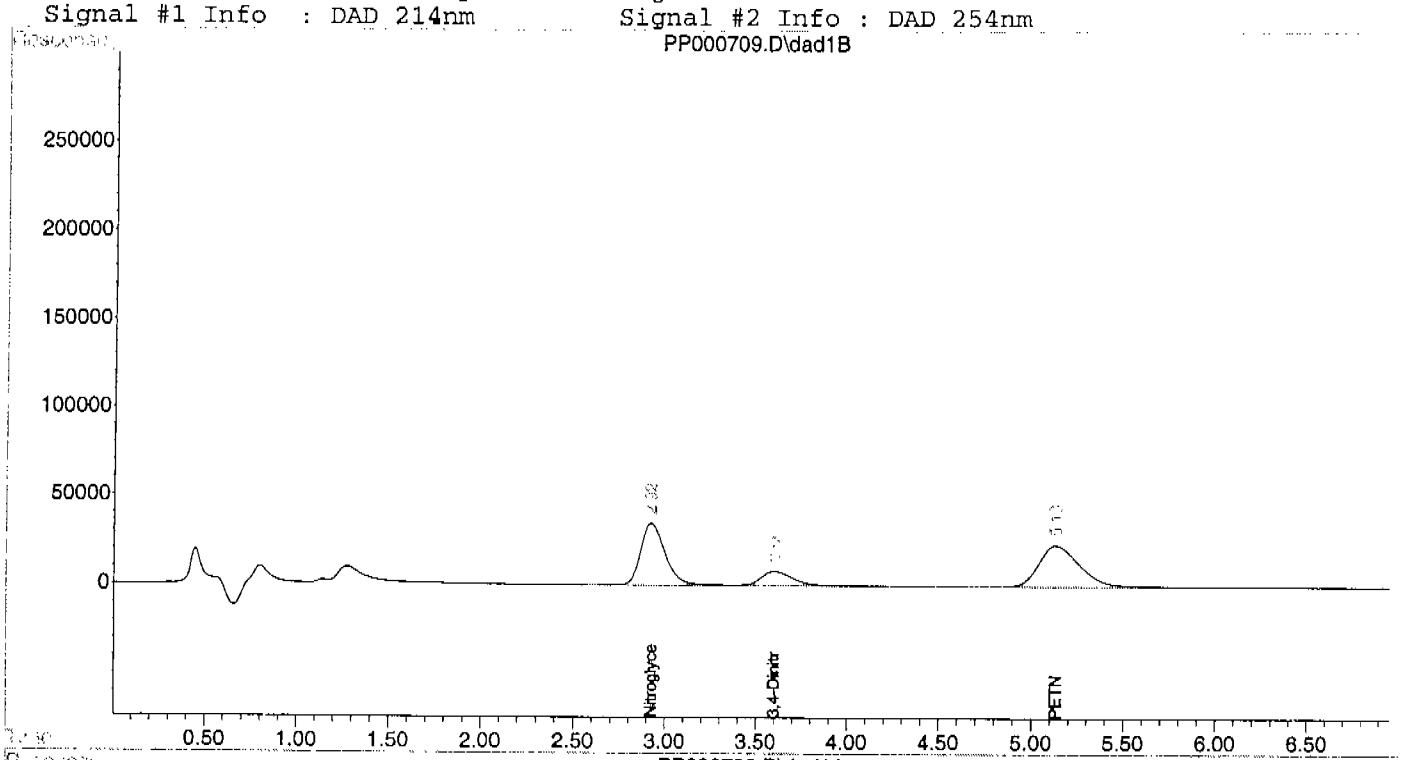
(f)=RT Delta > 1/2 Window (m)=manual int.

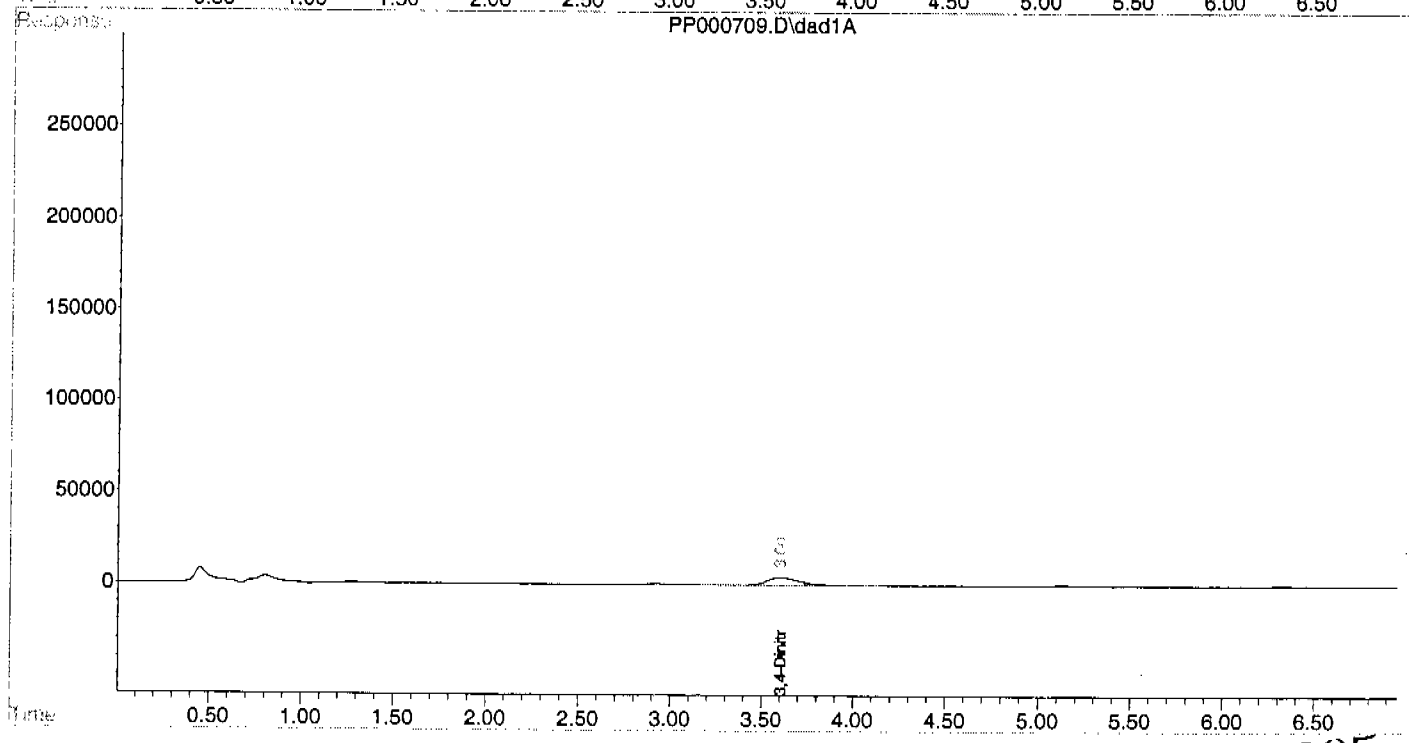
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000709.D\dad1B.ch Vial: 28
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000709.D\dad1A.ch
Acq On : 24-Aug-2004, 13:14:57 Operator: MIKEE
Sample : OP11138-MS Inst : G1315B
Misc : op11138,gpp27,400,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:35 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000710.D\dad1B.ch Vial: 29
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000710.D\dad1A.ch
Acq On : 24-Aug-2004, 13:23:26 Operator: MIKEE
Sample : OP11138-MSD Inst : G1315B
Misc : op11138,gpp27,400,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:36 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.61	1059109	247.112 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 98.84%	
5) S 3,4-Dinitrotoluene #2	3.61	512852	230.854 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 92.34%	
Target Compounds			
1) Nitroglycerin	2.93	3358790	2871.351 ppb
3) PETN	5.14	3771413	2801.362 ppb

MPS 8/24/04

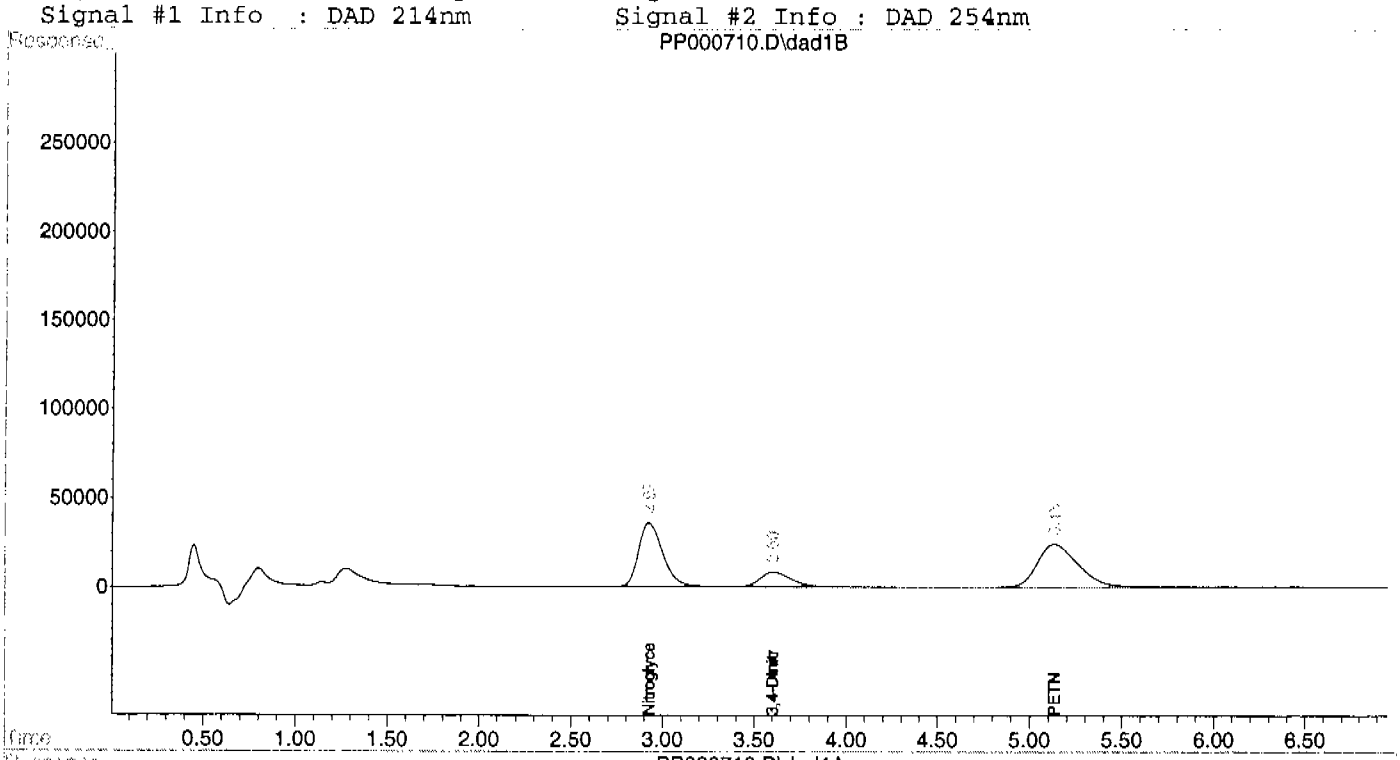
(f)=RT Delta > 1/2 Window (m)=manual int.
PP000710.D 8332_NIT.M Tue Aug 24 13:35:06 2004

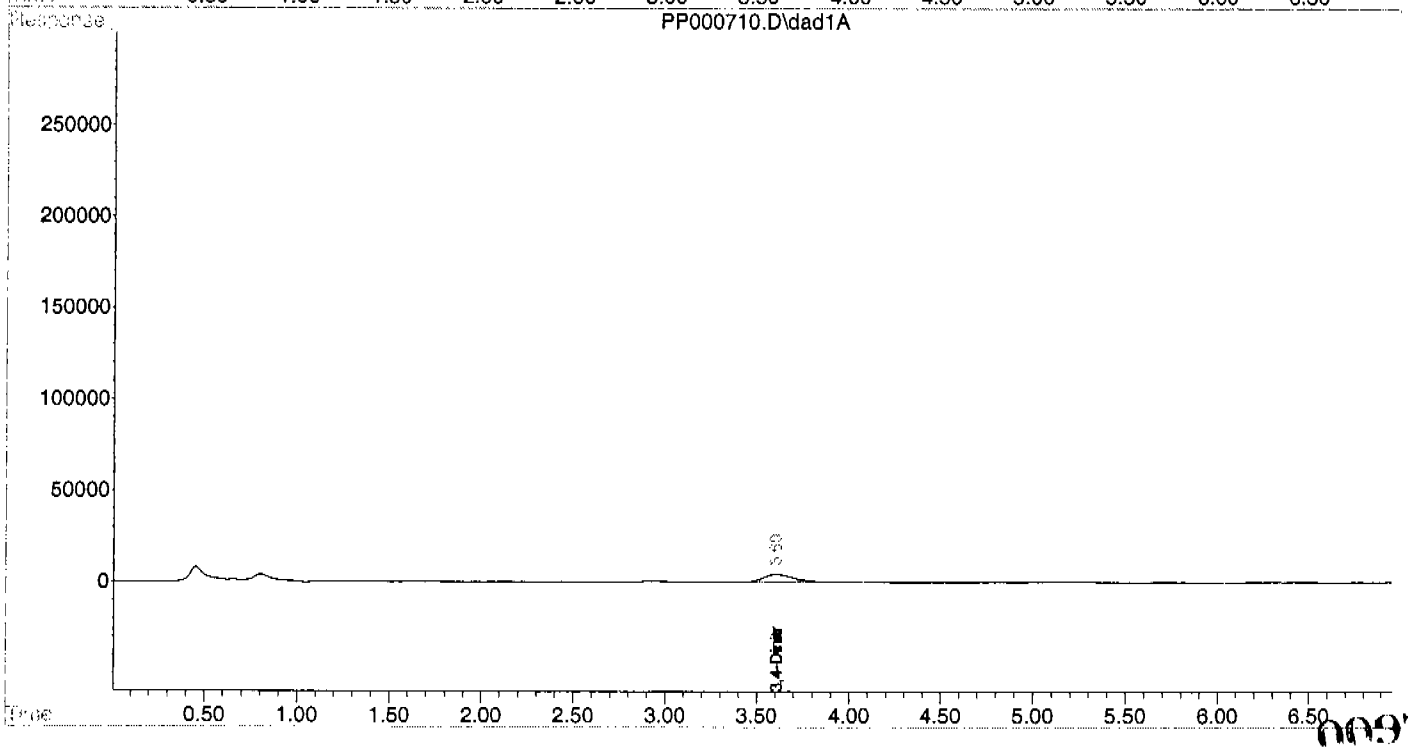
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000710.D\dad1B.ch Vial: 29
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000710.D\dad1A.ch
Acq On : 24-Aug-2004, 13:23:26 Operator: MIKEE
Sample : OP11138-MSD Inst : G1315B
Misc : op11138,gpp27,400,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:36 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





0097

SAMPLE DUPLICATE SUMMARY

SGC.07

NOT APPLICABLE TO THIS REPORT

INITIAL CALIBRATION

SGC.08

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000683.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000683.D\dad1A.ch
Acq On : 24-Aug-2004, 09:32:48 Operator: MIKEE
Sample : IC27-200 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	89645	23.896 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	9.56%#
5) S 3,4-Dinitrotoluene #2	3.61	49331	24.528 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	9.81%#
Target Compounds			
1) Nitroglycerin	2.92	238012	202.434 ppb
3) PETN	5.13	270662	199.470 ppb

MEB 8/24/04

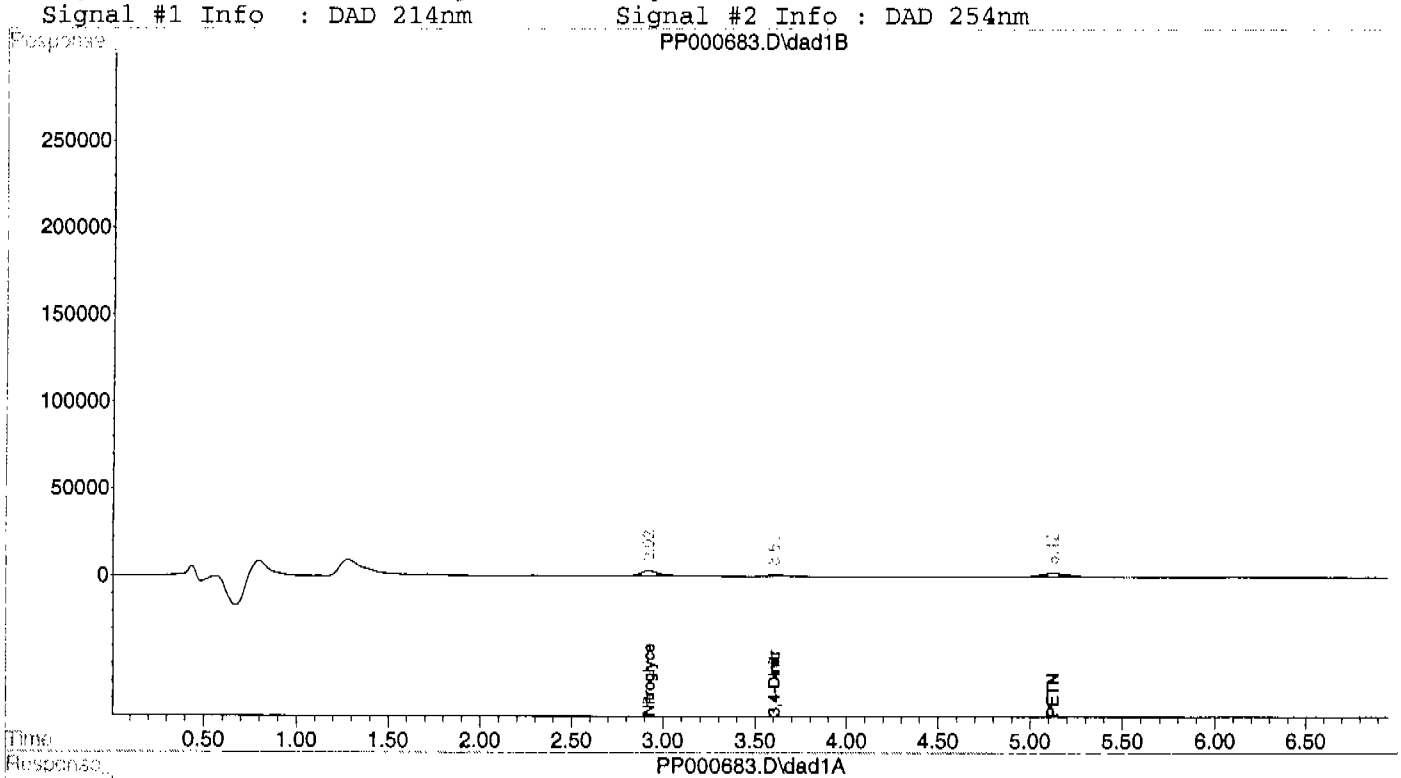
(f)=RT Delta > 1/2 Window (m)=manual int.

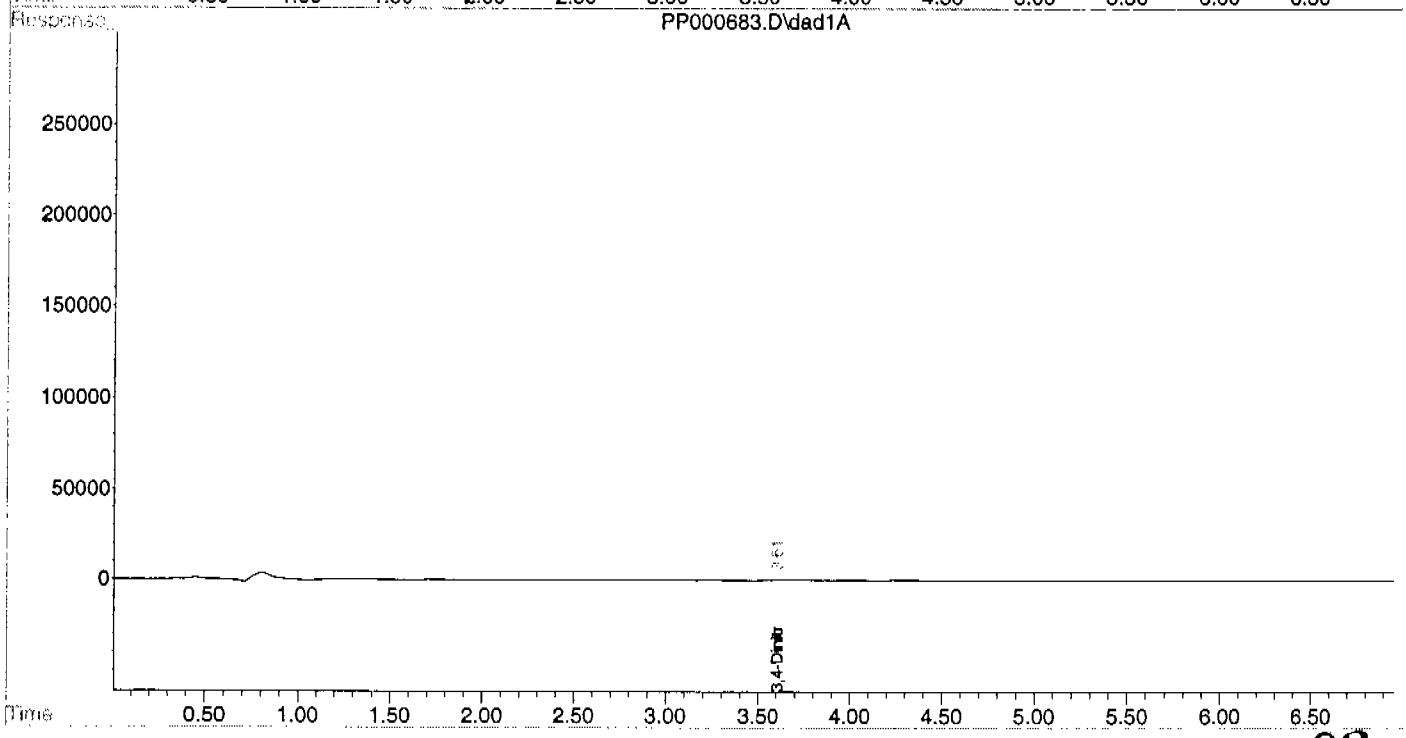
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000683.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000683.D\dad1A.ch
Acq On : 24-Aug-2004, 09:32:48 Operator: MIKEE
Sample : IC27-200 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000684.D\dad1B.ch Vial: 4
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000684.D\dad1A.ch
Acq On : 24-Aug-2004, 09:41:19 Operator: MIKEE
Sample : IC27-1000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	425472	113.414 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	45.37%#
5) S 3,4-Dinitrotoluene #2	3.60	218613	108.698 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	43.48%#
Target Compounds			
1) Nitroglycerin	2.93	1171567	996.442 ppb
3) PETN	5.13	1344993	991.217 ppb

MK 8/24/04

0103

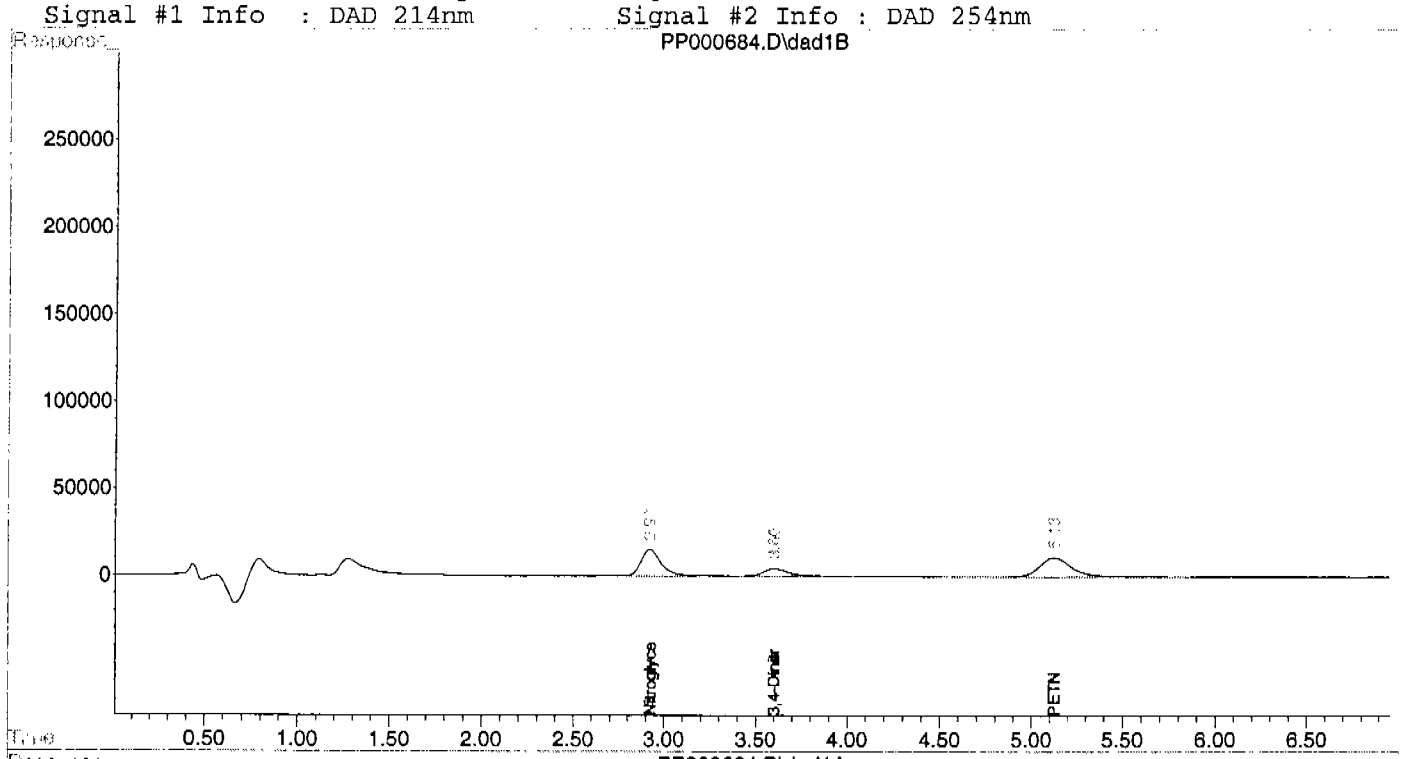
(f)=RT Delta > 1/2 Window (m)=manual int.

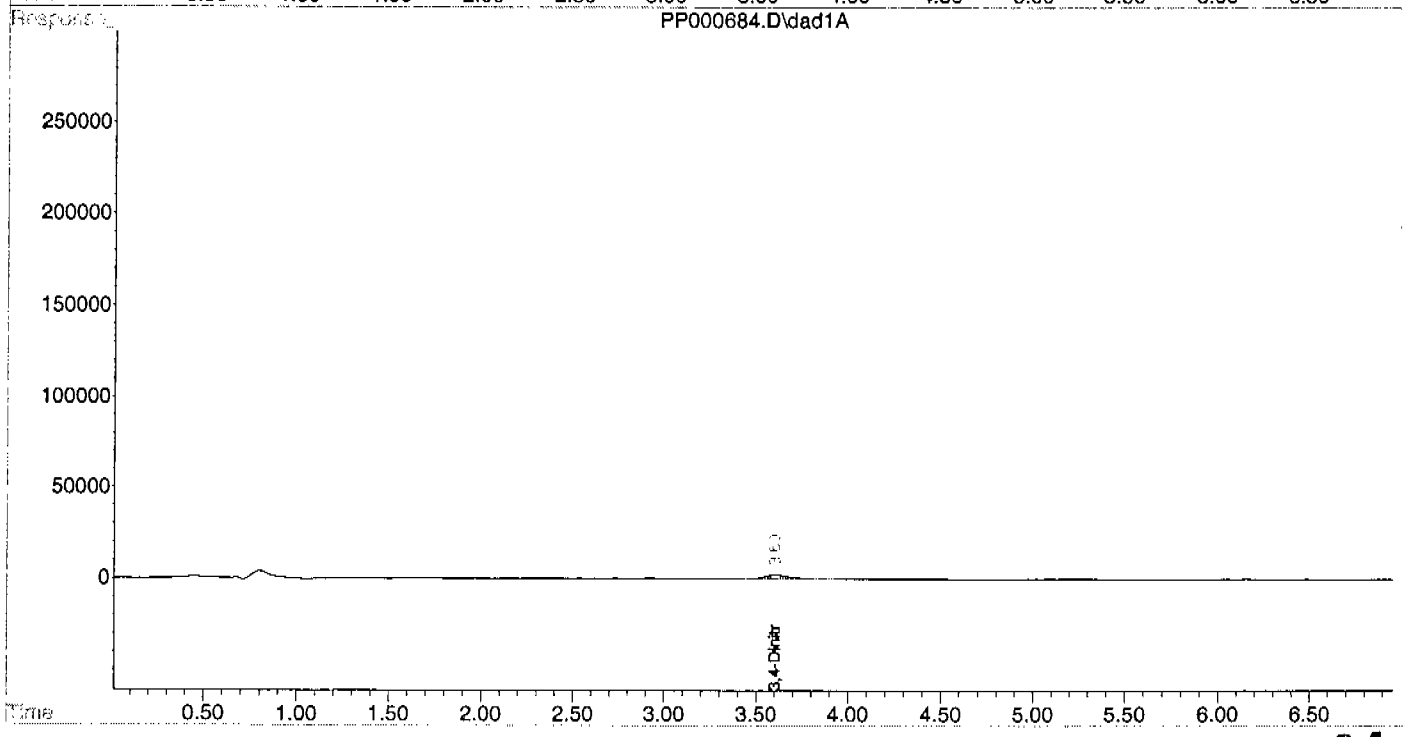
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000684.D\dad1B.ch Vial: 4
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000684.D\dad1A.ch
Acq On : 24-Aug-2004, 09:41:19 Operator: MIKEE
Sample : IC27-1000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000685.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000685.D\dad1A.ch
Acq On : 24-Aug-2004, 09:49:48 Operator: MIKEE
Sample : ICC27-2500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	1007321	268.513 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 107.41%	
5) S 3,4-Dinitrotoluene #2	3.60	523546	260.316 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 104.13%	
Target Compounds			
1) Nitroglycerin	2.93	2844706	2419.480 ppb
3) PETN	5.13	3216538	2370.486 ppb

MK 8/24/04

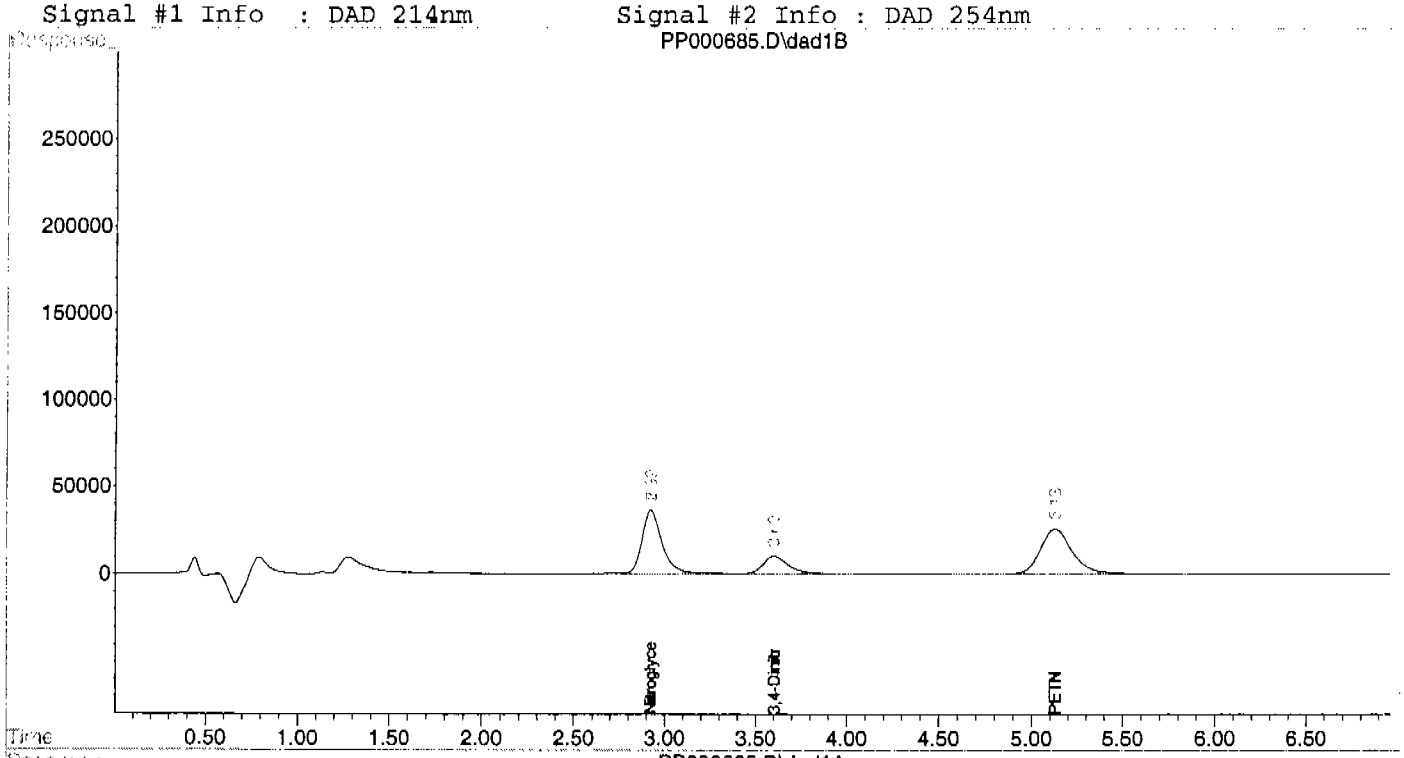
(f)=RT Delta > 1/2 Window (m)=manual int.

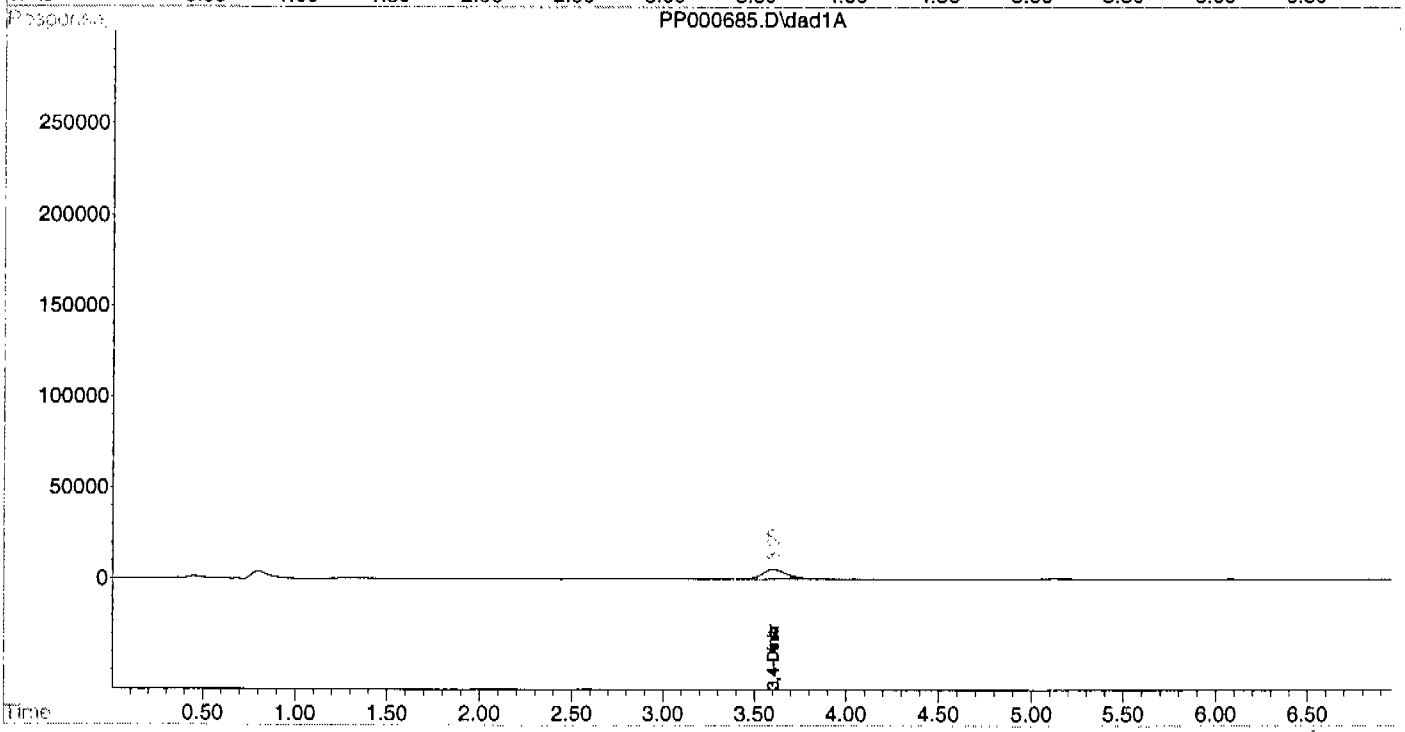
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000685.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000685.D\dad1A.ch
Acq On : 24-Aug-2004, 09:49:48 Operator: MIKEE
Sample : ICC27-2500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000686.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000686.D\dad1A.ch
Acq On : 24-Aug-2004, 09:58:19 Operator: MIKEE
Sample : IC27-5000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	2074152	552.889 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 221.16%#	
5) S 3,4-Dinitrotoluene #2	3.60	1076728	535.368 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 214.15%#	
Target Compounds			
1) Nitroglycerin	2.93	5842843	4969.456 ppb
3) PETN	5.13	6794379	5007.241 ppb

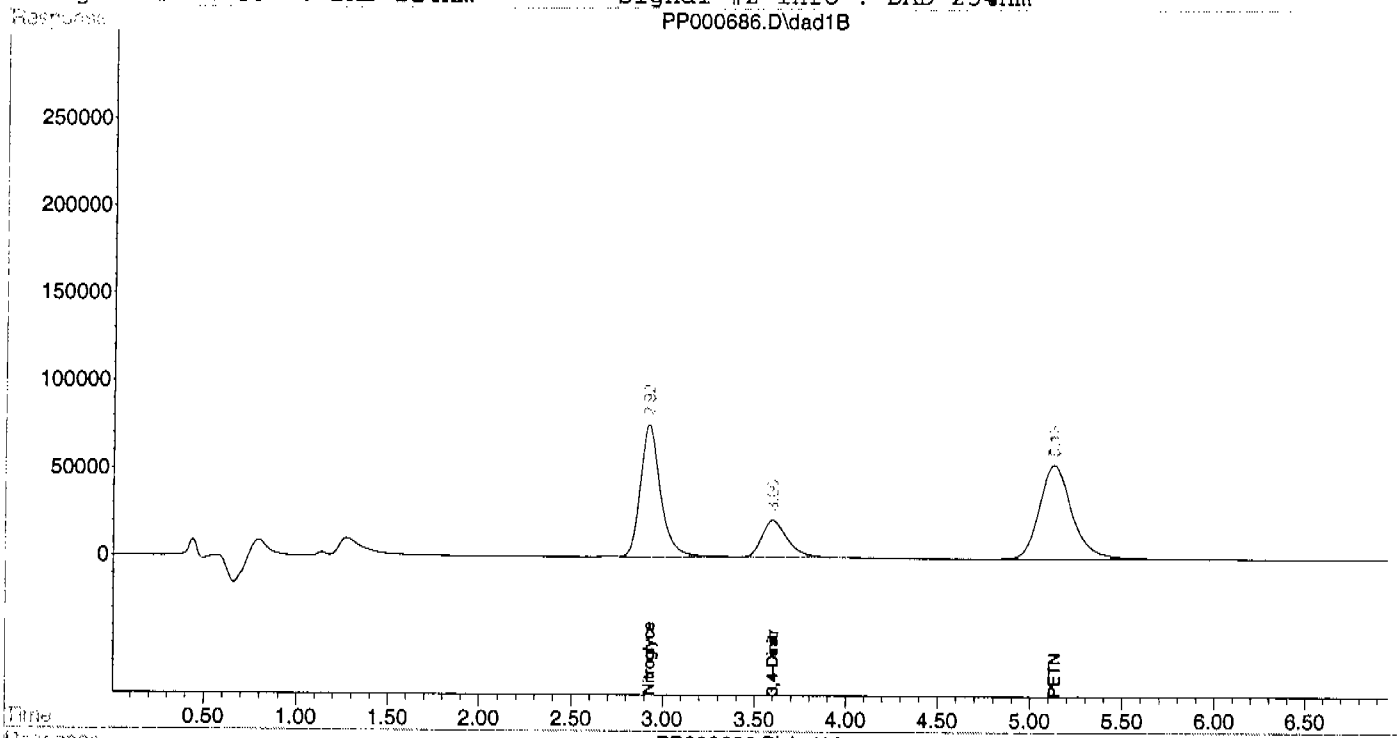
8/24/04

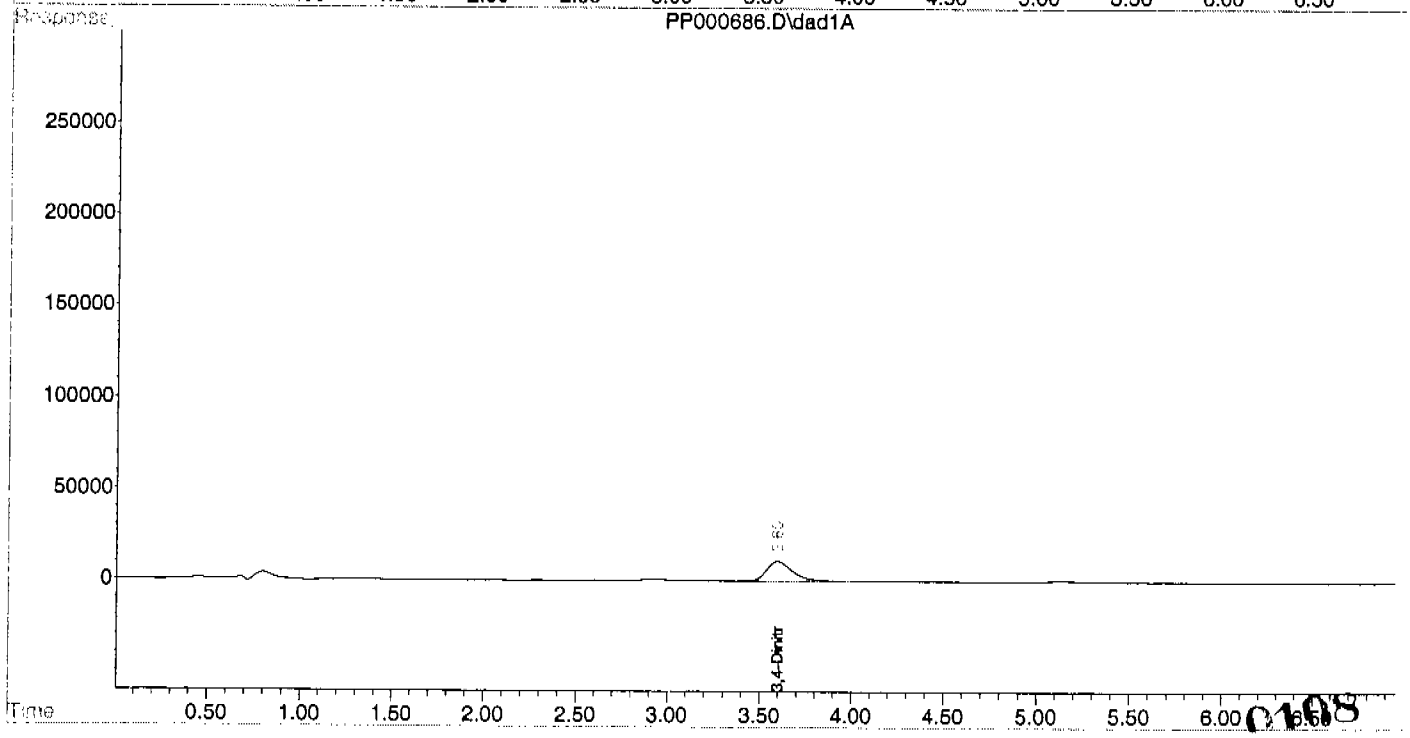
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000686.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000686.D\dad1A.ch
Acq On : 24-Aug-2004, 09:58:19 Operator: MIKEE
Sample : IC27-5000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:20 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000687.D\dad1B.ch Vial: 7
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000687.D\dad1A.ch
Acq On : 24-Aug-2004, 10:06:49 Operator: MIKEE
Sample : IC27-7500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:21 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	3261643	869.428 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 347.77%#	
5) S 3,4-Dinitrotoluene #2	3.60	1651087	820.949 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 328.38%#	
Target Compounds			
1) Nitroglycerin	2.92	8758617	7449.381 ppb
3) PETN	5.13	10122110	7459.673 ppb

8/24/04

0109

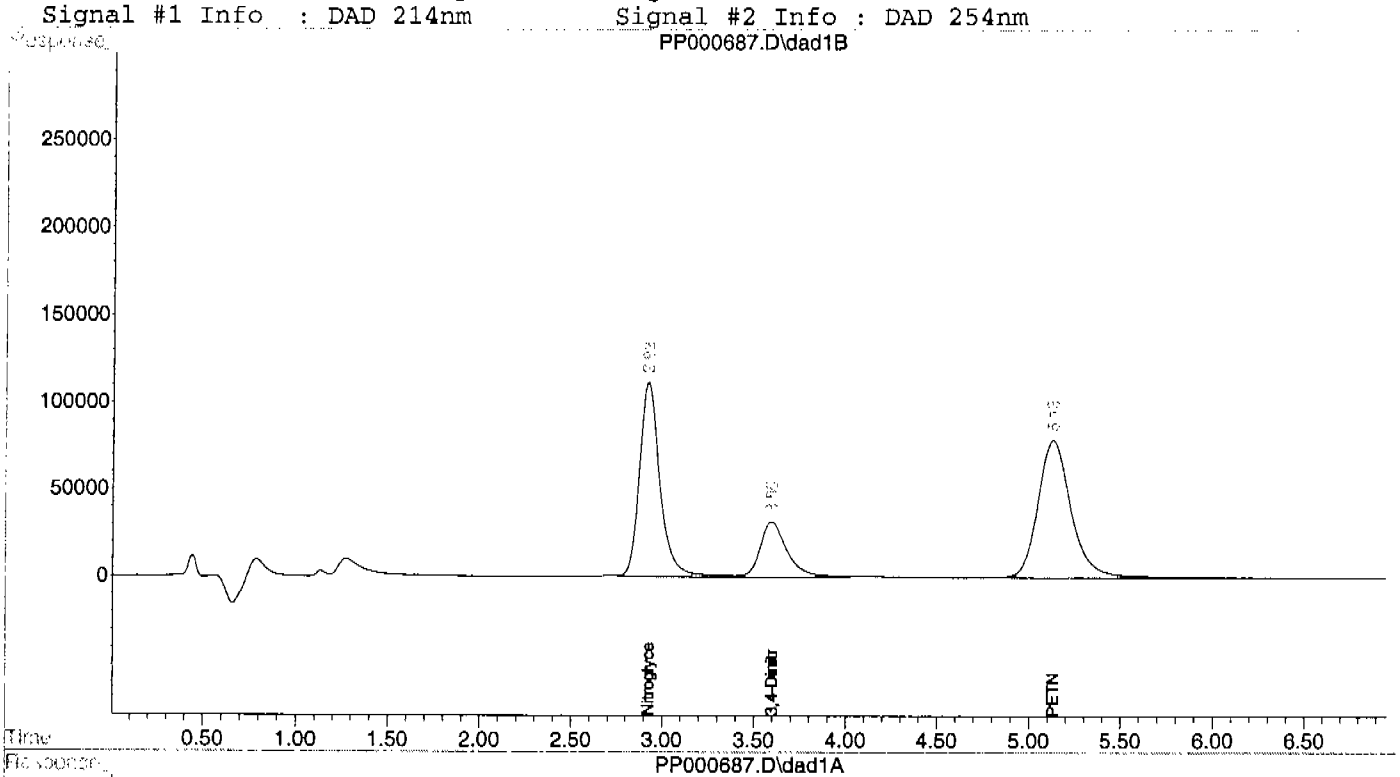
(f)=RT Delta > 1/2 Window (m)=manual int.
PP000687.D 8332_NIT.M Tue Aug 24 13:11:52 2004

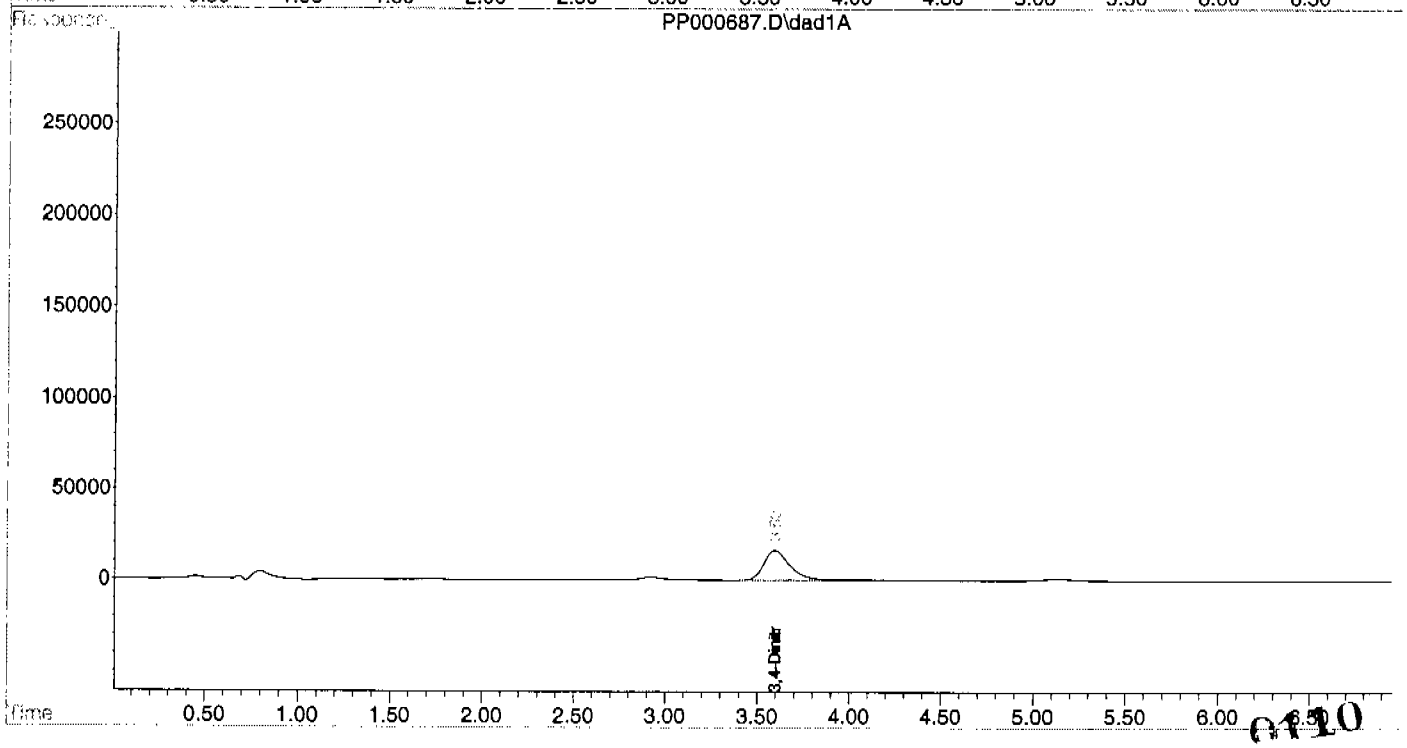
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000687.D\dad1B.ch Vial: 7
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000687.D\dad1A.ch
Acq On : 24-Aug-2004, 10:06:49 Operator: MIKEE
Sample : IC27-7500 Inst : G1315B
Misc : opl1098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:21 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000688.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000688.D\dad1A.ch
Acq On : 24-Aug-2004, 10:15:20 Operator: MIKEE
Sample : IC27-10000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:23 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	4452257	1186.800 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 474.72%#	
5) S 3,4-Dinitrotoluene #2	3.60	2227528	1107.566 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 443.03%#	
Target Compounds			
1) Nitroglycerin	2.92	11826636	10058.792 ppb
3) PETN	5.14	13842584	10201.544 ppb

MB 8/24/04

0111

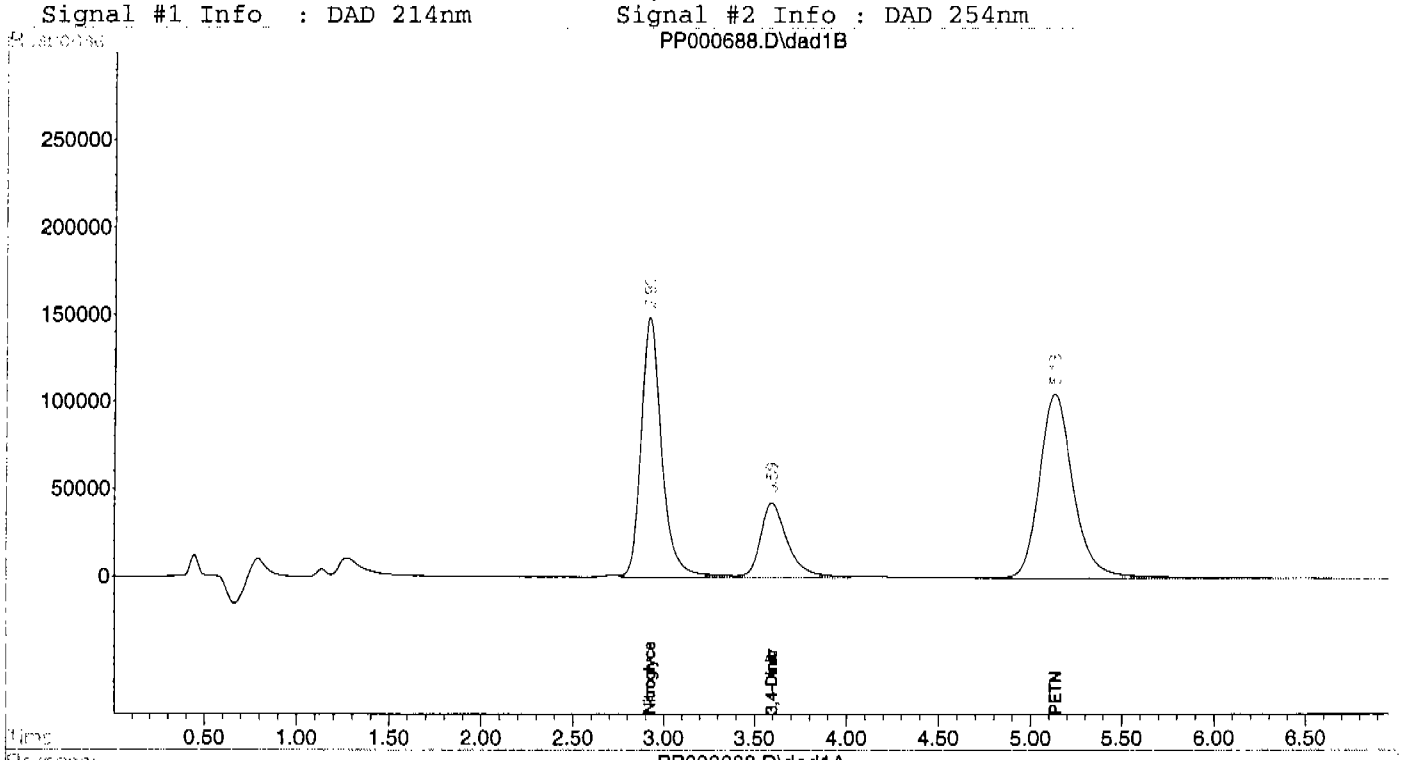
(f)=RT Delta > 1/2 Window (m)=manual int.

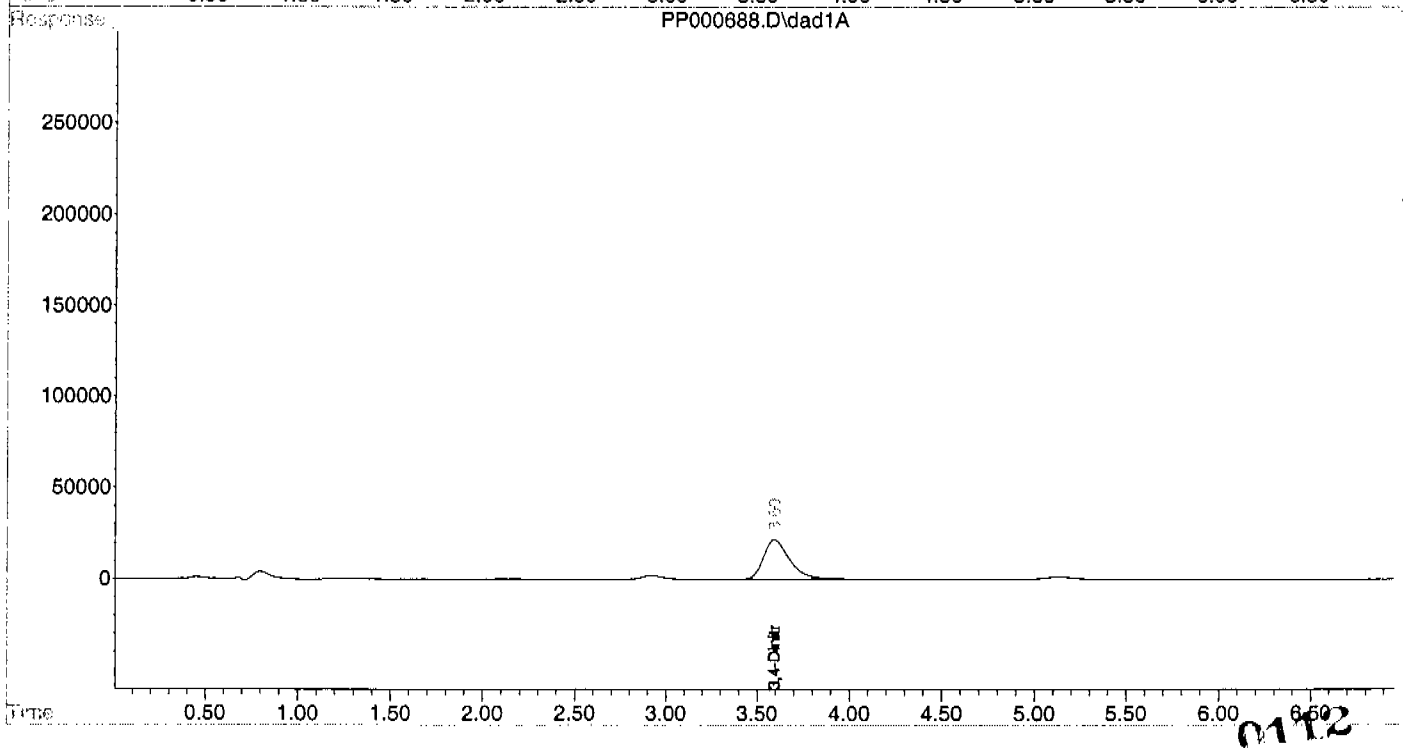
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000688.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000688.D\dad1A.ch
Acq On : 24-Aug-2004, 10:15:20 Operator: MIKEE
Sample : IC27-10000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:23 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





0112

Response Factor Report G1315B

Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration

Calibration Files
1 =PP000683.D 2 =PP000684.D 3 =PP000685.D 4 =PP000686.D
5 =PP000687.D 6 =PP000688.D

	Compound	1	2	3	4	5	6	Avg		%RSD
1)	Nitroglycerin	1.190	1.172	1.138	1.169	1.168	1.183	1.170	E3	1.53
2) S	3,4-Dinitrotoluene	4.482	4.255	4.029	4.148	4.349	4.452	4.286	E3	4.12
3)	PETN	1.353	1.345	1.287	1.359	1.350	1.384	1.346	E3	2.40

Signal #2

5) S	3,4-Dinitrotoluene	2.467	2.186	2.094	2.153	2.201	2.228	2.222	E3	5.78

(#) = Out of Range

8332_NIT.M Tue Aug 24 13:14:28 2004

KLM 8/24/04

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000689.D\dad1B.ch Vial: 9
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000689.D\dad1A.ch
Acq On : 24-Aug-2004, 10:23:51 Operator: MIKEE
Sample : ICV27-2500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:32 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	0.00	0	N.D. ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	0.00%#
5) S 3,4-Dinitrotoluene #2	0.00	0	N.D. ppb
Spiked Amount 250.000 Range 61 - 124		Recovery =	0.00%#
Target Compounds			
1) Nitroglycerin	2.93	3172984	2712.510 ppb m
3) PETN	5.14	3490889	2592.993 ppb

MM 8/24/04

SW 8-24-04

0114

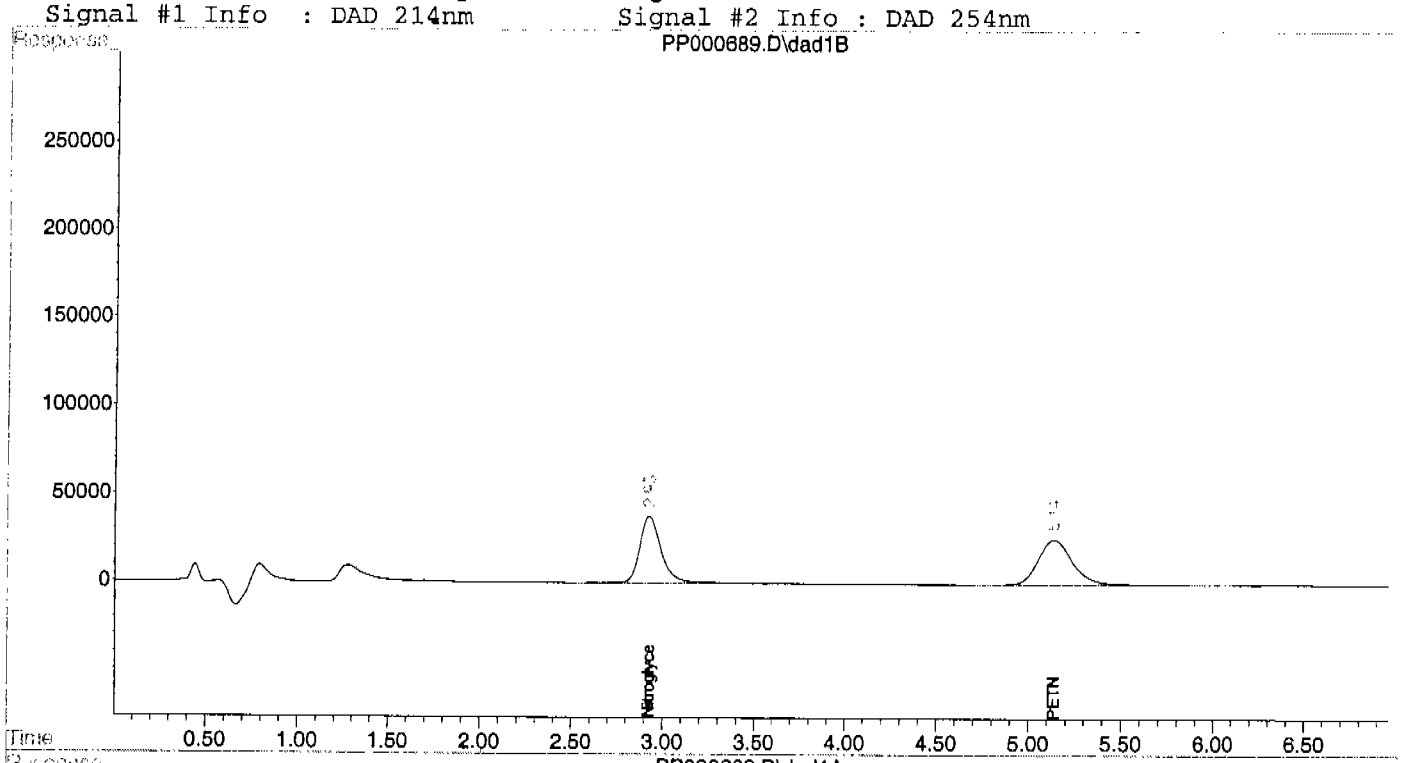
(f)=RT Delta > 1/2 Window (m)=manual int.

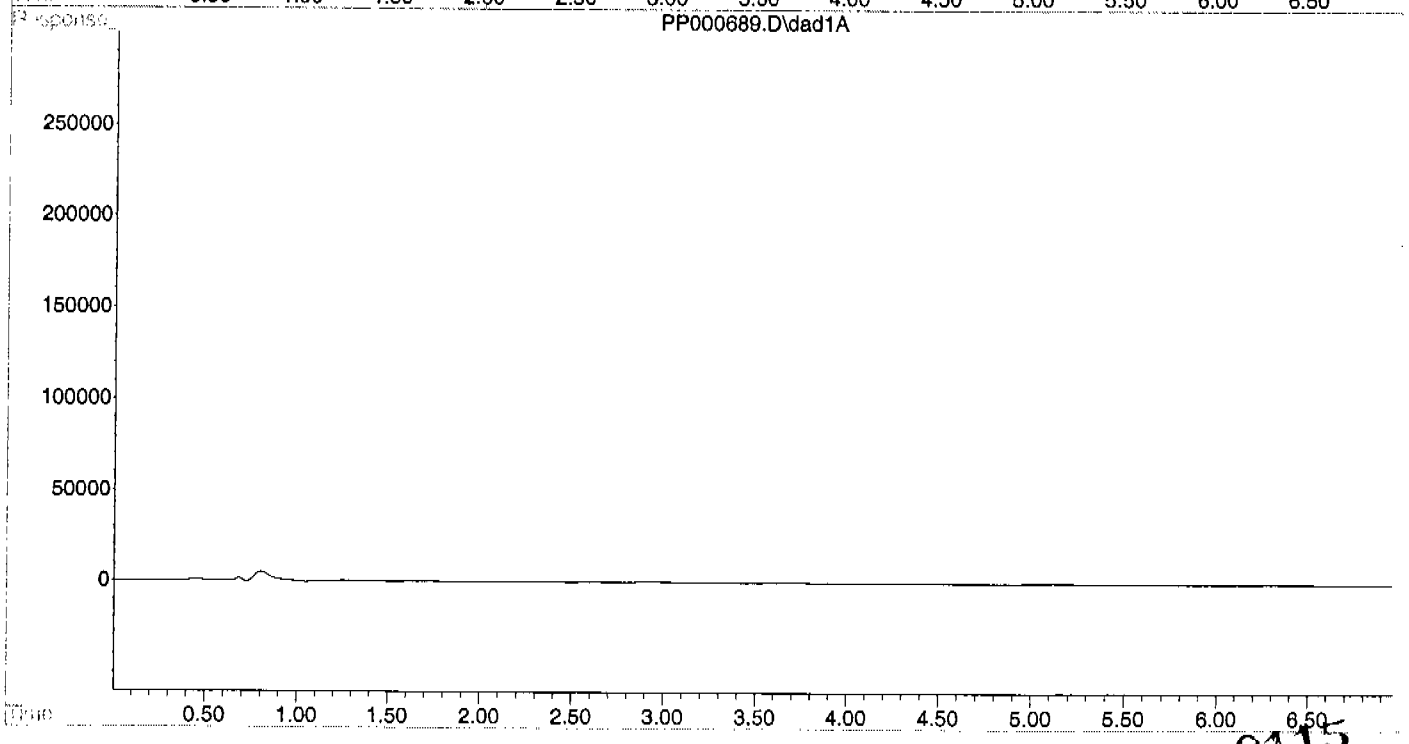
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000689.D\dad1B.ch Vial: 9
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000689.D\dad1A.ch
Acq On : 24-Aug-2004, 10:23:51 Operator: MIKEE
Sample : ICV27-2500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:32 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





0115

Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000689.D\dad1B.ch Vial: 9
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000689.D\dad1A.ch
Acq On : 24-Aug-2004, 10:23:51 Operator: MIKEE
Sample : ICV27-2500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Nitroglycerin	2500.000	2712.510	-8.5	112	0.00	2.43- 3.43
2 S	3,4-Dinitrotoluene		----------NA----------				
3	PETN	2500.000	2592.993	-3.7	109	0.00	4.63- 5.63

***** Signal #2 *****

5 S	3,4-Dinitrotoluene #2		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP000685.D 8332_NIT.M Tue Aug 24 13:15:20 2004

MS 8/24/04

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000714.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000714.D\dad1A.ch
Acq On : 24-Aug-2004, 16:16:48 Operator: MIKEE
Sample : IC28-20 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:03 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	15.01	15.02	98643	130703	20.951m	20.336
	Spiked Amount 250.000 Range 71 - 130 Recovery =					8.38%#	8.13%#
	Target Compounds						
1)	HMX	4.47	4.47	69980	197224	22.376m	21.382m BV
2)	RDX	7.06	7.06	81451	132129	19.585m	17.702m BV
3)	1,3,5-Trinitrobe	9.67	9.67	179496	355604	21.497m	21.088
4)	1,3-Dinitrobenze	11.92	11.92	241196	288922	21.238	21.242
5)	Tetryl	13.05	13.05	136808	251422	21.267	21.849
6)	Nitrobenzene	13.67	13.67	150264	73364	20.253	21.399
8)	2,4,6-Trinitroto	15.66	15.67	163318	244945	20.701m	21.217
9)	4-Amino-2,6-Dini	16.54	16.55	109727	321323	19.821m	21.546
10)	2-Amino-4,6-Dini	17.38	17.38	149885	265320	20.036m	21.273
11)	2,6-Dinitrotolue	18.45	18.46	107100	150582	19.273m	20.163
12)	2,4-Dinitrotolue	19.04	19.04	221229	199363	21.198	21.261
13)	o-Nitrotoluene	22.67	22.67	99578	107899	20.679	21.228
14)	p-Nitrotoluene	24.25	24.25	81337	158802	19.377	19.475
15)	m-Nitrotoluene	26.19	26.18	102730	162883	19.625	20.841

MR 8/25/04

8/25/04

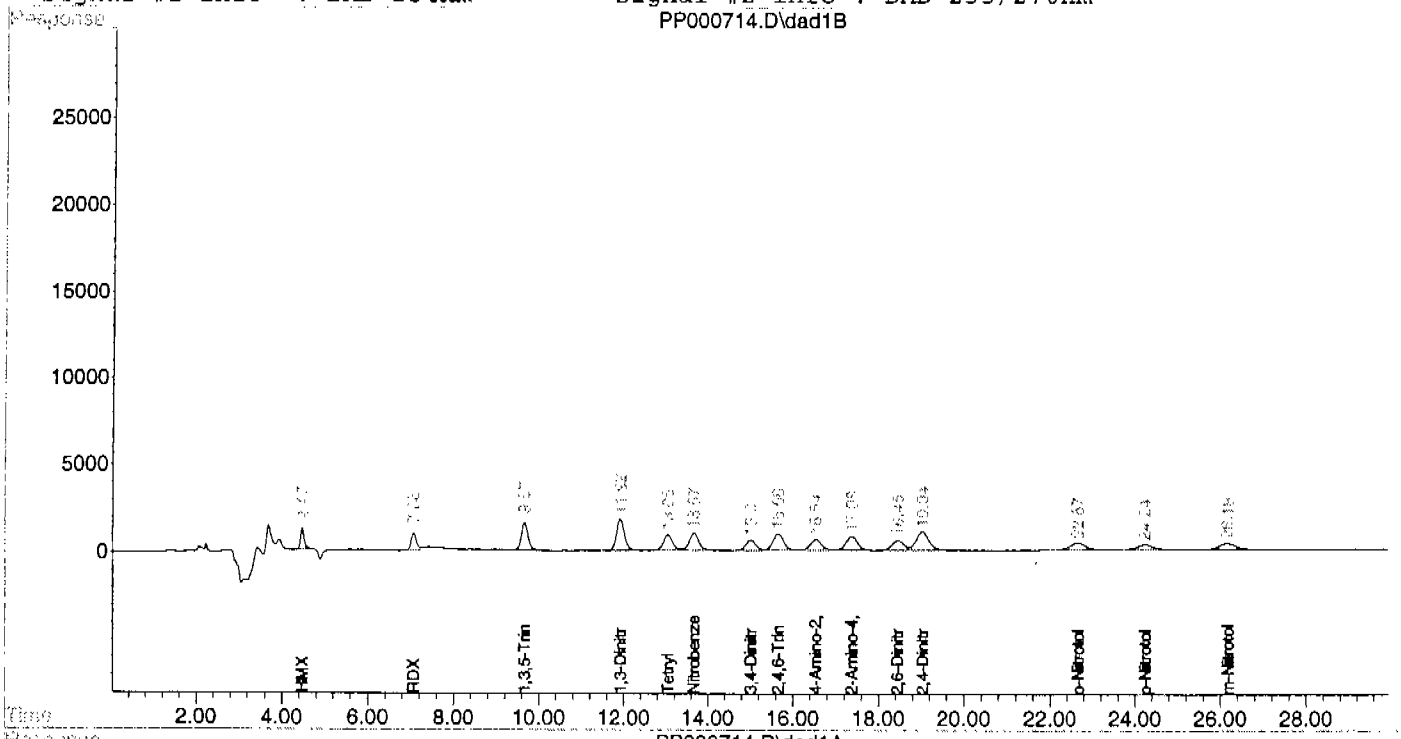
(S)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

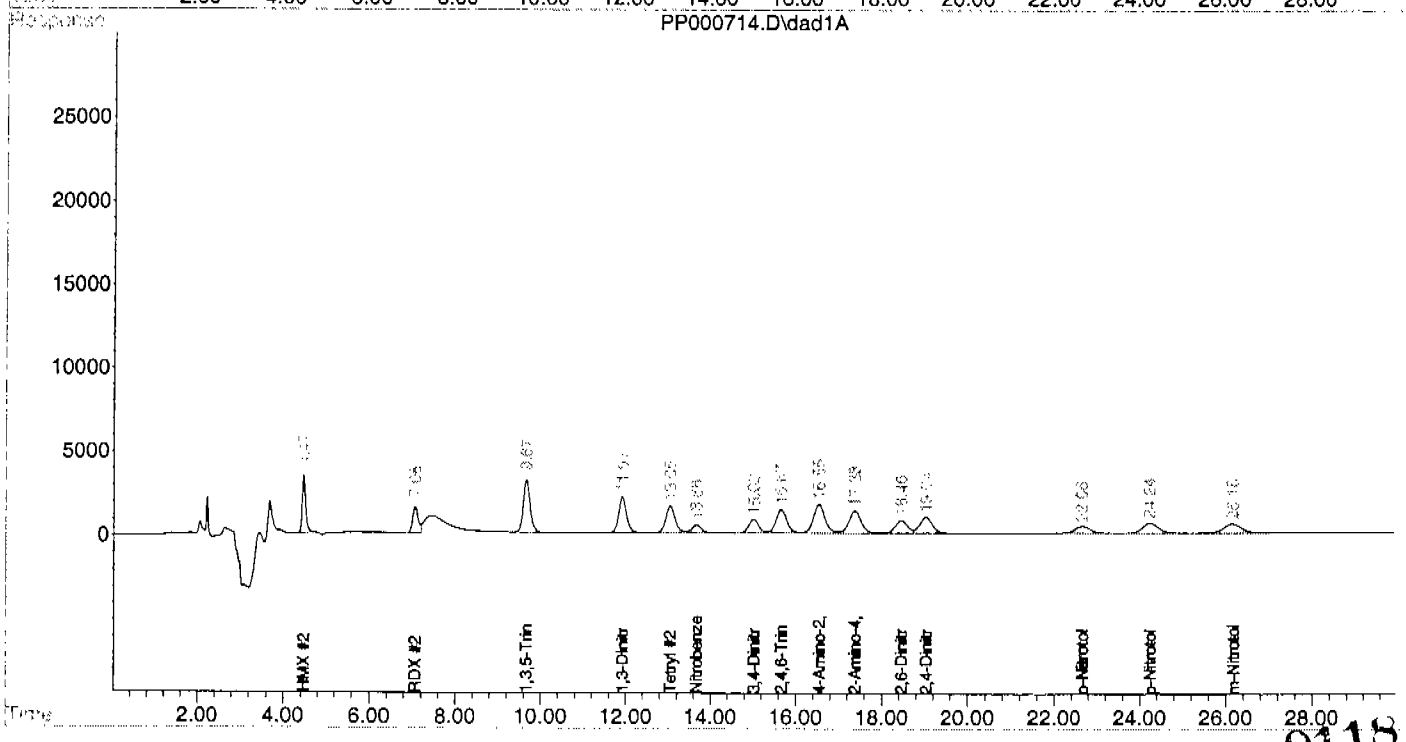
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000714.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000714.D\dad1A.ch
Acq On : 24-Aug-2004, 16:16:48 Operator: MIKEE
Sample : IC28-20 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:03 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





0118

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000715.D\dad1B.ch Vial: 4
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000715.D\dad1A.ch
Acq On : 24-Aug-2004, 16:48:46 Operator: MIKEE
Sample : IC28-100 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:04 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.98	14.98	455297	621350	96.701	96.675
Spiked Amount	250.000 Range	71 - 130	Recovery	=		38.68%#	38.67%#
	Target Compounds						
1)	HMX	4.47	4.47	306716	880685	98.070m	95.480m BR
2)	RDX	7.05	7.05	368385	616839	88.580m	82.643
3)	1,3,5-Trinitrobe	9.65	9.65	800356	1597389	95.854 OP	94.728
4)	1,3-Dinitrobenze	11.90	11.90	1080812	1305239	95.170	95.964
5)	Tetryl	13.02	13.02	613956	1117013	95.439	97.069
6)	Nitrobenzene	13.65	13.65	695516	331486	93.744	96.689
8)	2,4,6-Trinitroto	15.63	15.63	767443	1118928	97.277	96.920
9)	4-Amino-2,6-Dini	16.51	16.51	521334	1411803	94.174	94.667
10)	2-Amino-4,6-Dini	17.34	17.34	703189	1184640	93.997	94.984
11)	2,6-Dinitrotolue	18.42	18.42	499439	676970	89.878	90.646
12)	2,4-Dinitrotolue	19.00	19.00	1004460	911032	96.249	97.157
13)	o-Nitrotoluene	22.62	22.62	440357	469842	91.449	92.439
14)	p-Nitrotoluene	24.21	24.20	373696	756037	89.027	92.720
15)	m-Nitrotoluene	26.12	26.12	487555	720136	93.139	92.143

MP 8/25/04

8/25/04

0119

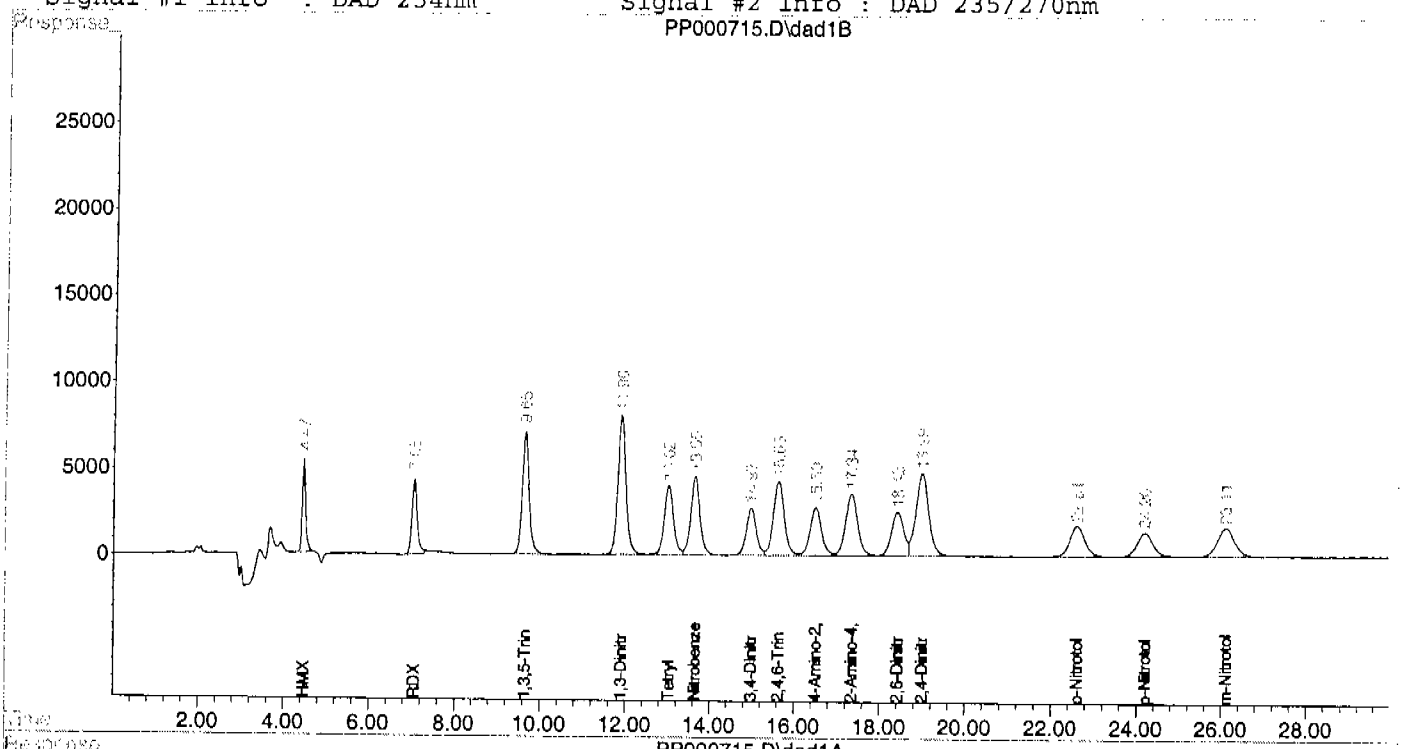
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000715.D 8330_EX2.M Wed Aug 25 13:43:20 2004

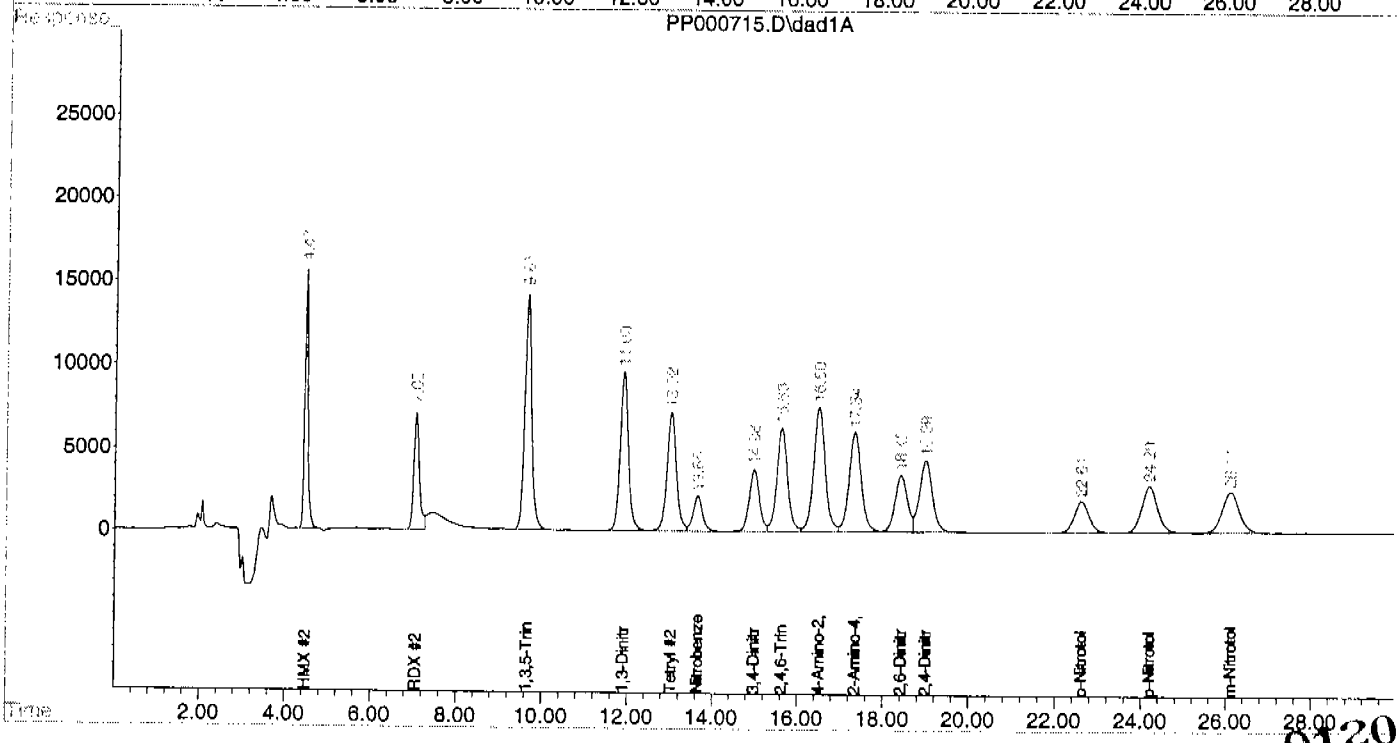
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000715.D\dad1B.ch Vial: 4
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000715.D\dad1A.ch
Acq On : 24-Aug-2004, 16:48:46 Operator: MIKEE
Sample : IC28-100 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:04 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000716.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000716.D\dad1A.ch
Acq On : 24-Aug-2004, 17:20:44 Operator: MIKEE
Sample : IC28-250 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:04 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.99	14.99	1209669	1644150	256.924	255.812
	Spiked Amount 250.000	Range	71 - 130	Recovery	=	102.77%	102.32%
	Target Compounds						
1)	HMX	4.47	4.47	805412	2339829	257.524m br	253.673
2)	RDX	7.06	7.06	959874	1637466	230.808	219.386m op
3)	1,3,5-Trinitrobe	9.66	9.66	2130152	4246263	255.115	251.811
4)	1,3-Dinitrobenze	11.91	11.91	2864755	3418413	252.254	251.330
5)	Tetryl	13.04	13.04	1614752	2920334	251.013	253.779
6)	Nitrobenzene	13.65	13.65	1848110	863696	249.095	251.925
8)	2,4,6-Trinitroto	15.64	15.64	2015981	2939193	255.535	254.590
9)	4-Amino-2,6-Dini	16.53	16.53	1379321	3714245	249.162	249.055
10)	2-Amino-4,6-Dini	17.37	17.37	1862783	3122197	249.004	250.335
11)	2,6-Dinitrotolue	18.43	18.43	1327027	1790928	238.809	239.805
12)	2,4-Dinitrotolue	19.01	19.01	2662883	2419206	255.161	257.996
13)	o-Nitrotoluene	22.63	22.63	1154891	1244522	239.836	244.852
14)	p-Nitrotoluene	24.22	24.22	984663	1992438	234.581	244.352
15)	m-Nitrotoluene	26.13	26.13	1282740	1905900	245.046	243.865

MM 8/25/04

8/25/04

0121

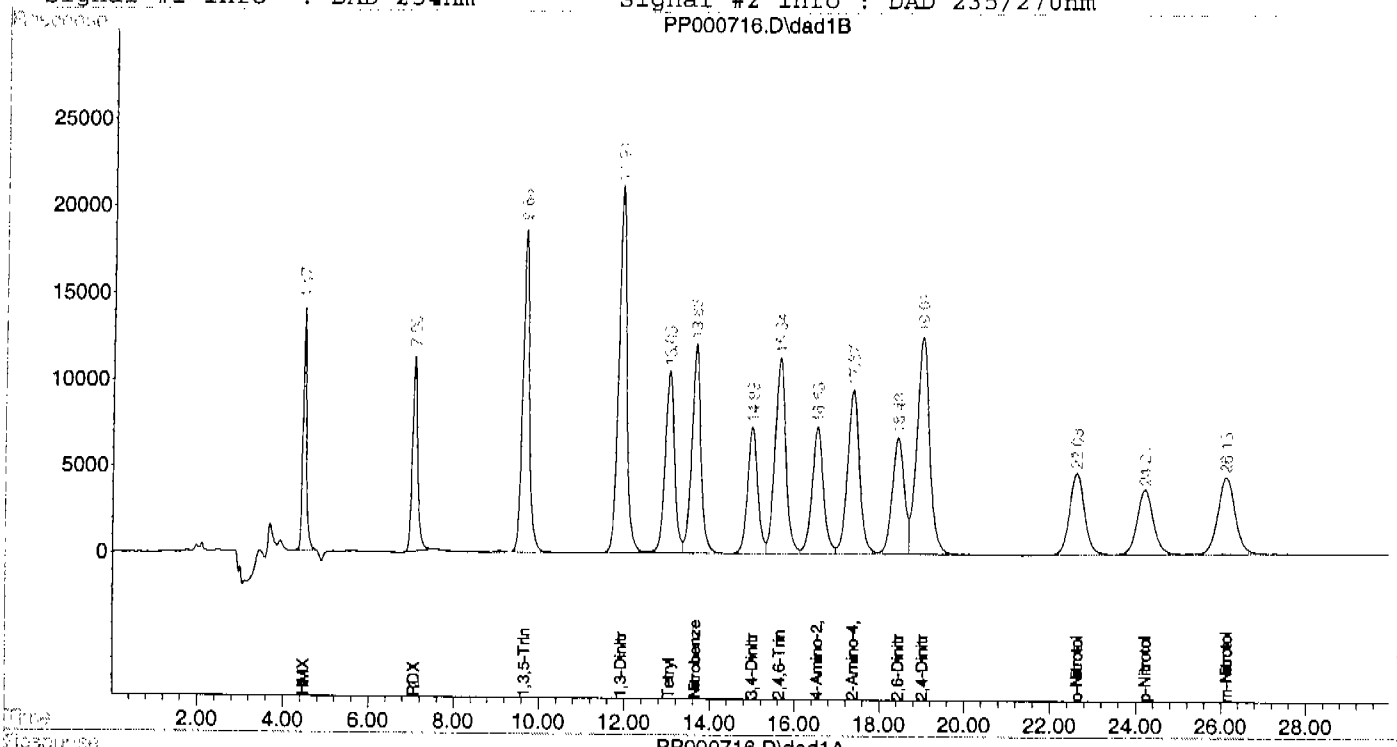
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

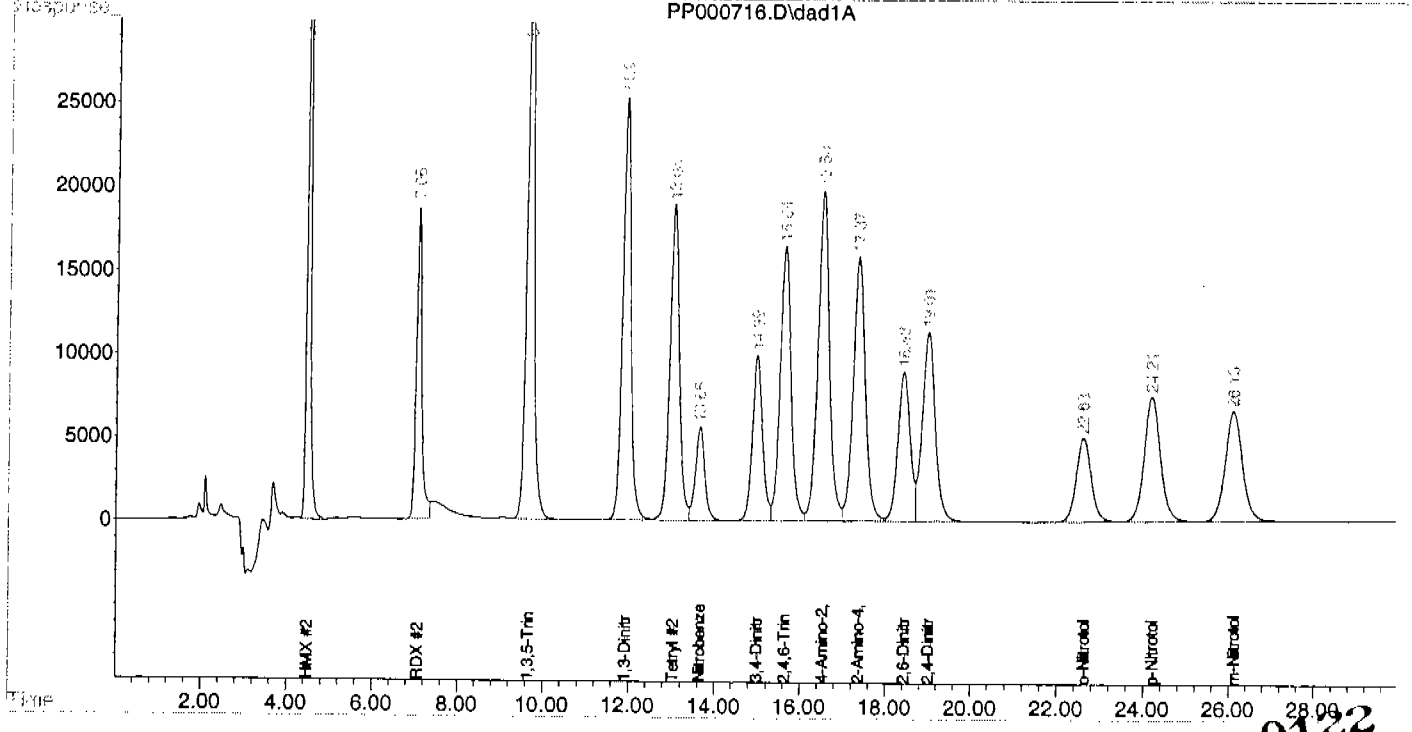
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000716.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000716.D\dad1A.ch
Acq On : 24-Aug-2004, 17:20:44 Operator: MIKEE
Sample : IC28-250 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:04 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





0122

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000717.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000717.D\dad1A.ch
Acq On : 24-Aug-2004, 17:52:43 Operator: MIKEE
Sample : ICC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:05 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.98	14.98	2464657	3361459	523.474	523.006
	Spiked Amount 250.000	Range	71 - 130	Recovery	=	209.39%#	209.20%#
	Target Compounds						
1)	HMX	4.47	4.47	1624351	4731532	519.374m	512.971
2)	RDX	7.06	7.06	1979548	3336823	475.995	447.064m
3)	1,3,5-Trinitrobe	9.66	9.66	4331573	8645550	518.765	512.696
4)	1,3-Dinitrobenze	11.91	11.91	5826346	6963712	513.035	511.990
5)	Tetryl	13.04	13.04	3292460	5951165	511.811	517.161
6)	Nitrobenzene	13.65	13.65	3797938	1789055	511.900	521.837
8)	2,4,6-Trinitroto	15.64	15.64	4108791	5995065	520.808	519.286
9)	4-Amino-2,6-Dini	16.52	16.52	2816995	7567665	508.865	507.443
10)	2-Amino-4,6-Dini	17.37	17.37	3788419	6360106	506.409	509.948
11)	2,6-Dinitrotolue	18.43	18.43	2706269	3651165	487.014	488.891
12)	2,4-Dinitrotolue	19.00	19.00	5440653	4941071	521.331	526.940
13)	o-Nitrotoluene	22.62	22.62	2383194	2556295	494.917	502.935
14)	p-Nitrotoluene	24.20	24.20	2012667	4070914	479.488	499.257
15)	m-Nitrotoluene	26.12	26.12	2606146	3901888	497.860	499.258

MK 8/25/04

8/25/04

0123

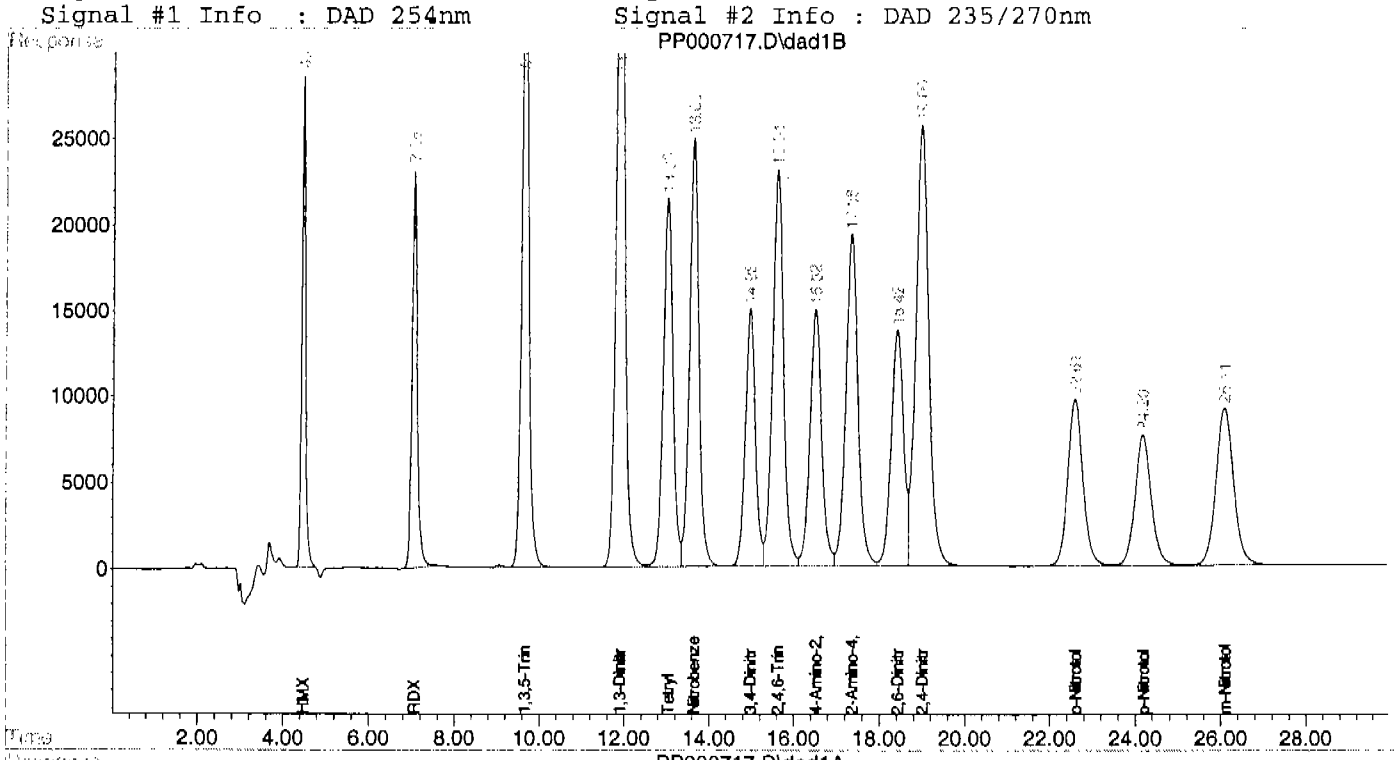
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

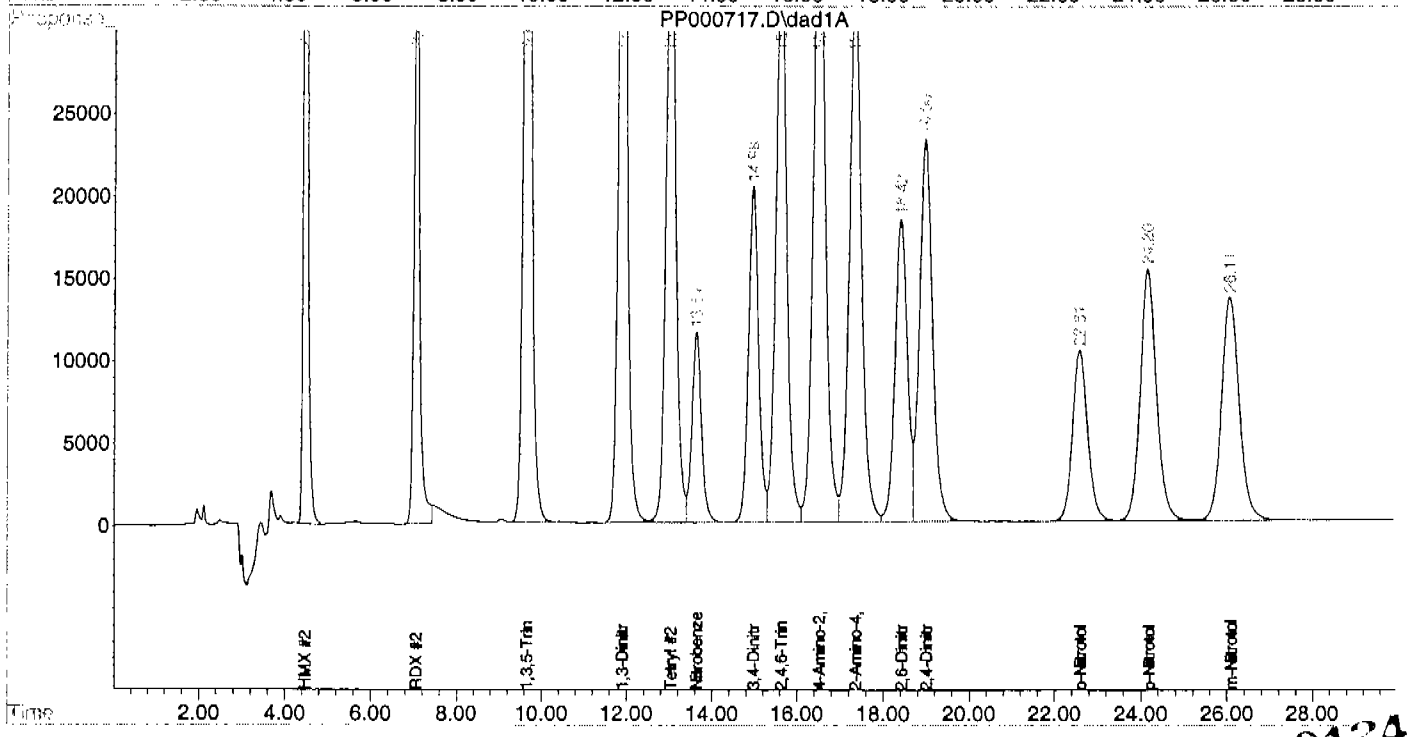
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000717.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000717.D\dad1A.ch
Acq On : 24-Aug-2004, 17:52:43 Operator: MIKEE
Sample : ICC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:05 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000718.D\dad1B.ch Vial: 7
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000718.D\dad1A.ch
Acq On : 24-Aug-2004, 18:24:42 Operator: MIKEE
Sample : IC28-750 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:06 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7)	S 3,4-Dinitrotolue	14.98	14.98	3636661	4953206	772.398	770.665
	Spiked Amount 250.000	Range	71 - 130	Recovery	=	308.96%#	308.27%#
	Target Compounds						
1)	HMX	4.47	4.47	2406087	6977683	769.328m	756.488
2)	RDX	7.06	7.05	2909587	4878329	699.629	653.593m
3)	1,3,5-Trinitrobe	9.65	9.65	6372121	12795968	763.149	758.823
4)	1,3-Dinitrobenze	11.90	11.90	8594974	10271378	756.825	755.178
5)	Tetryl	13.04	13.04	4862467	8785045	755.868	763.427
6)	Nitrobenzene	13.64	13.64	5553054	2606520	748.461	760.277
8)	2,4,6-Trinitroto	15.64	15.64	6065160	8843321	768.787	765.999
9)	4-Amino-2,6-Dini	16.53	16.53	4157867	11172263	751.081	749.146
10)	2-Amino-4,6-Dini	17.37	17.37	5600962	9394661	748.697	753.257
11)	2,6-Dinitrotolue	18.43	18.43	4000661	5403151	719.950	723.483
12)	2,4-Dinitrotolue	19.00	19.00	8047931	7326112	771.164	781.292
13)	o-Nitrotoluene	22.61	22.61	3462103	3730605	718.974	733.974
14)	p-Nitrotoluene	24.20	24.20	2929451	5937099	697.898	728.125
15)	m-Nitrotoluene	26.11	26.11	3785056	5690759	723.071	728.149

MM 8/25/04

8/25/04

0125

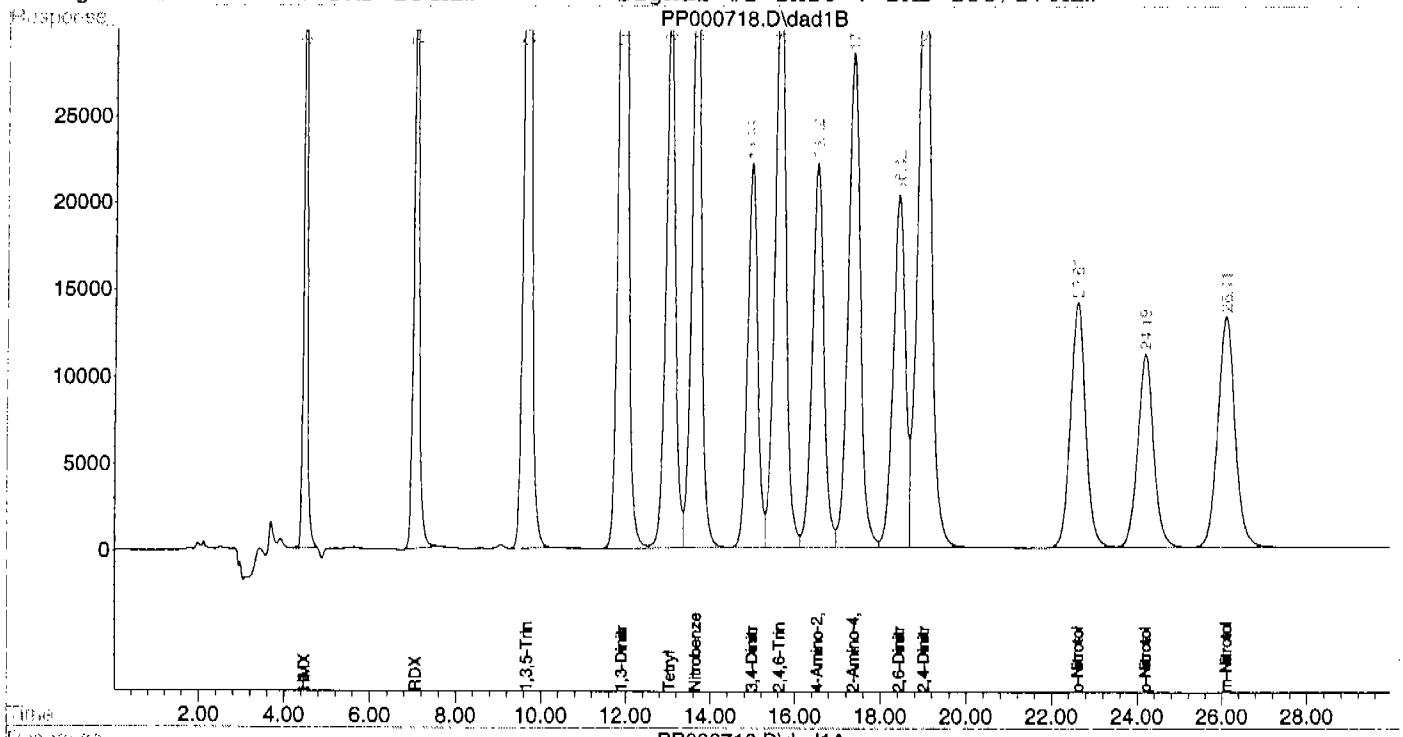
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

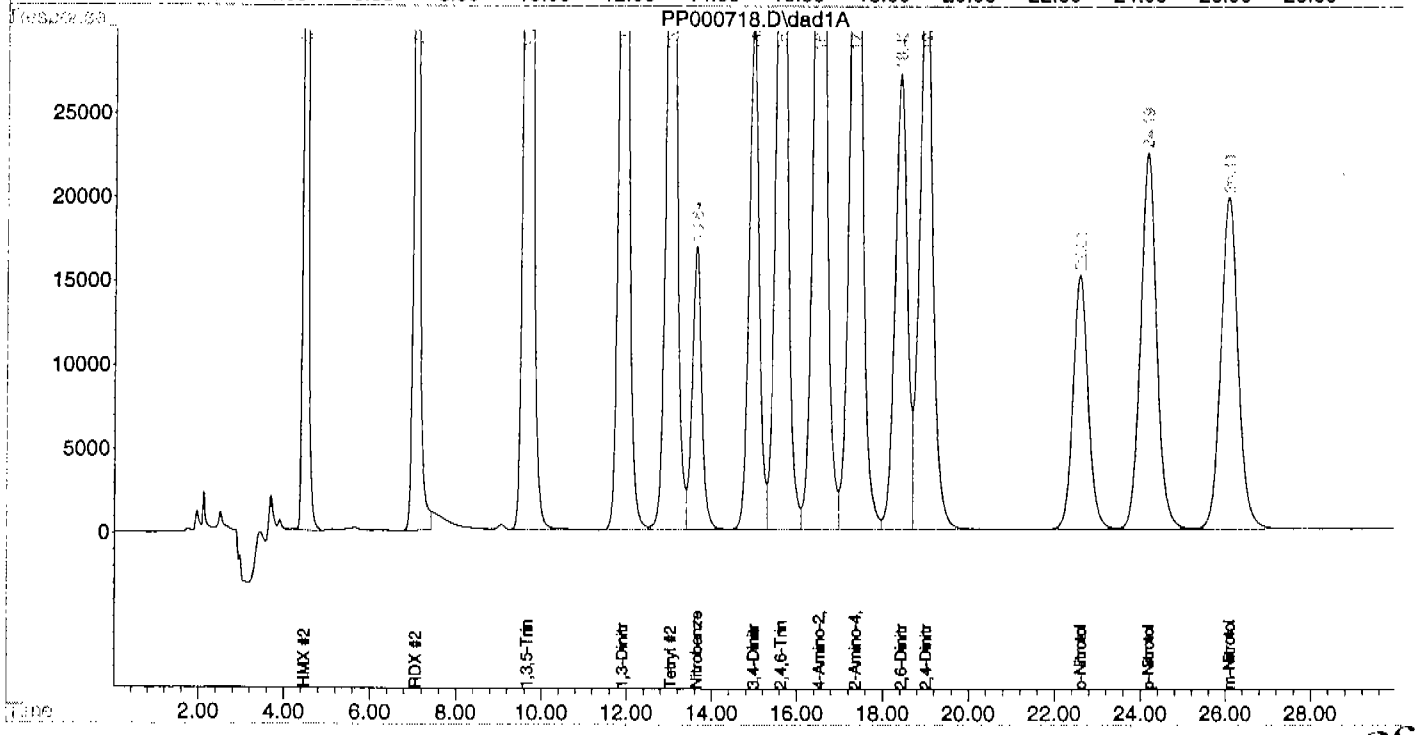
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000718.D\dad1B.ch Vial: 7
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000718.D\dad1A.ch
Acq On : 24-Aug-2004, 18:24:42 Operator: MIKEE
Sample : IC28-750 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:06 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000719.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000719.D\dad1A.ch
Acq On : 24-Aug-2004, 18:56:40 Operator: MIKEE
Sample : IC28-1000 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:01 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.95	14.95	4670409	6378925	991.958	992.491
	Spiked Amount 250.000 Range 71 - 130 Recovery =					396.78%#	397.00%#
	Target Compounds						
1)	HMX	4.47	4.47	3075038	8951372	983.220m BR	970.466
2)	RDX	7.05	7.05	3750729	6272584	901.886	840.393m op
3)	1,3,5-Trinitrobe	9.64	9.64	8176317	16429396	979.226	974.292
4)	1,3-Dinitrobenze	11.88	11.88	11032343	13196058	971.445	970.207
5)	Tetryl	13.01	13.01	6251130	11295487	971.735	981.586
6)	Nitrobenzene	13.62	13.62	7170145	3384787	966.419	987.284
8)	2,4,6-Trinitroto	15.61	15.61	7787421	11374291	987.091	985.229
9)	4-Amino-2,6-Dini	16.50	16.50	5333185	14355919	963.392	962.623
10)	2-Amino-4,6-Dini	17.34	17.34	7185135	12077942	960.458	968.400
11)	2,6-Dinitrotolue	18.40	18.40	5127249	6940434	922.689	929.325
12)	2,4-Dinitrotolue	18.97	18.97	10314048	9410157	988.306	1003.545
13)	o-Nitrotoluene	22.58	22.58	4484384	4814719	931.271	947.266
14)	p-Nitrotoluene	24.16	24.16	3791359	7668237	903.234	940.432
15)	m-Nitrotoluene	26.07	26.07	4913612	7340870	938.662	939.286

MKH 8/25/04

9/29/04

0127

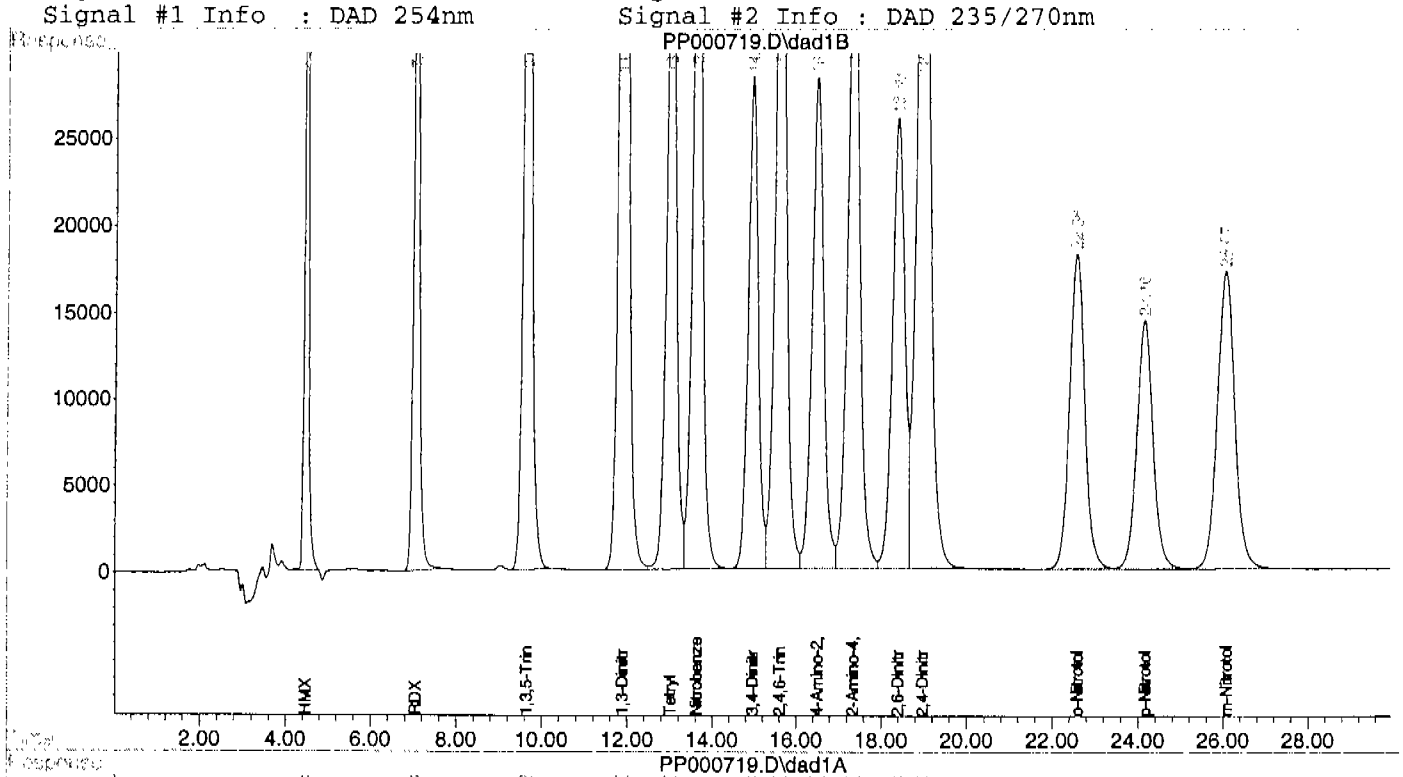
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

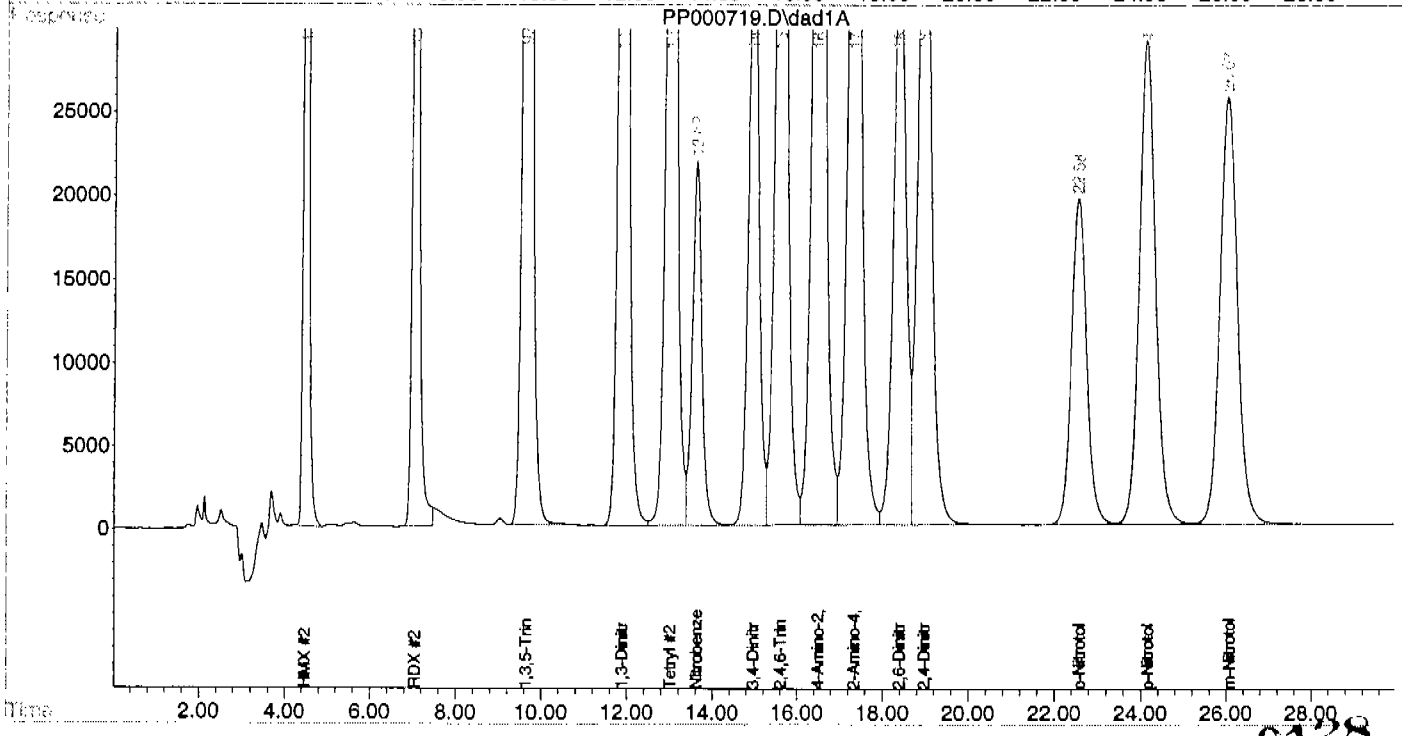
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000719.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000719.D\dad1A.ch
Acq On : 24-Aug-2004, 18:56:40 Operator: MIKEE
Sample : IC28-1000 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:01 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





0128

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000720.D\dad1B.ch Vial: 9
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000720.D\dad1A.ch
Acq On : 24-Aug-2004, 19:28:39 Operator: MIKEE
Sample : IC28-2000 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:06 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.94	14.94	9690741	13135792	2058.237	2043.786
	Spiked Amount 250.000 Range 71 - 130 Recovery = 823.29%# 817.51%#						
	Target Compounds						
1)	HMX	4.47	4.47	6320011	18386690	2020.774m	1993.399
2)	RDX	7.05	7.04	7693048	12801946	1849.842	1715.190m
3)	1,3,5-Trinitrobe	9.63	9.63	16841830	33853718	2017.040	2007.584
4)	1,3-Dinitrobenze	11.88	11.88	22699574	27139979	1998.795	1995.400
5)	Tetryl	13.00	13.00	12891090	23244239	2003.914	2019.942
6)	Nitrobenzene	13.61	13.61	14753798	6924777	1988.571	2019.839
8)	2,4,6-Trinitroto	15.60	15.60	16100495	23406359	2040.811	2027.434
9)	4-Amino-2,6-Dini	16.48	16.48	11048521	29551030	1995.815	1981.516
10)	2-Amino-4,6-Dini	17.32	17.32	14859089	24852834	1986.258	1992.681
11)	2,6-Dinitrotolue	18.38	18.38	10572450	14242447	1902.595	1907.065
12)	2,4-Dinitrotolue	18.95	18.95	21309189	19360050	2041.876	2064.650
13)	o-Nitrotoluene	22.55	22.55	9172769	9841360	1904.907	1936.227
14)	p-Nitrotoluene	24.13	24.13	7780518	15697955	1853.592	1925.196
15)	m-Nitrotoluene	26.04	26.04	10082788	15032984	1926.146	1923.514

MMR 8/25/04

8/25/4

0129

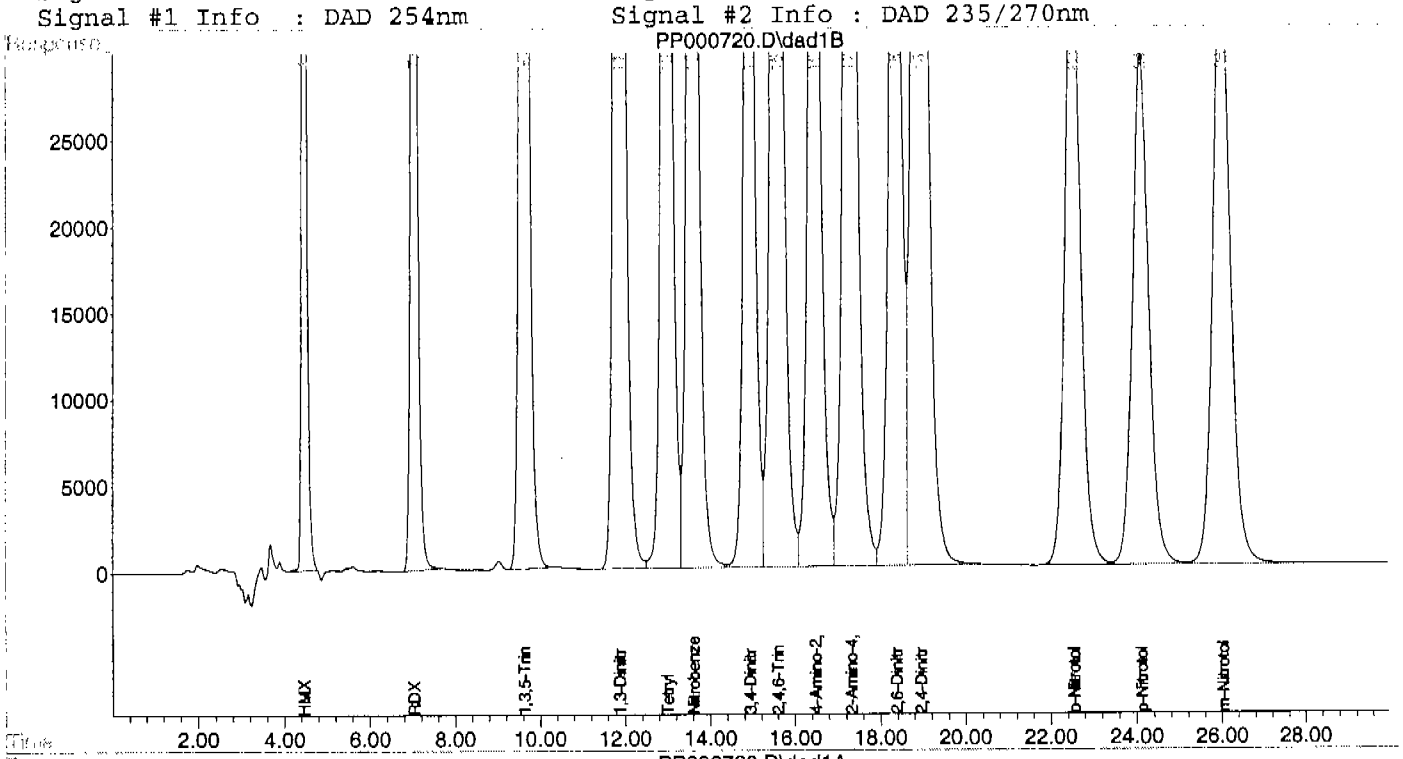
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PP000720.D 8330_EX2.M Wed Aug 25 13:43:40 2004

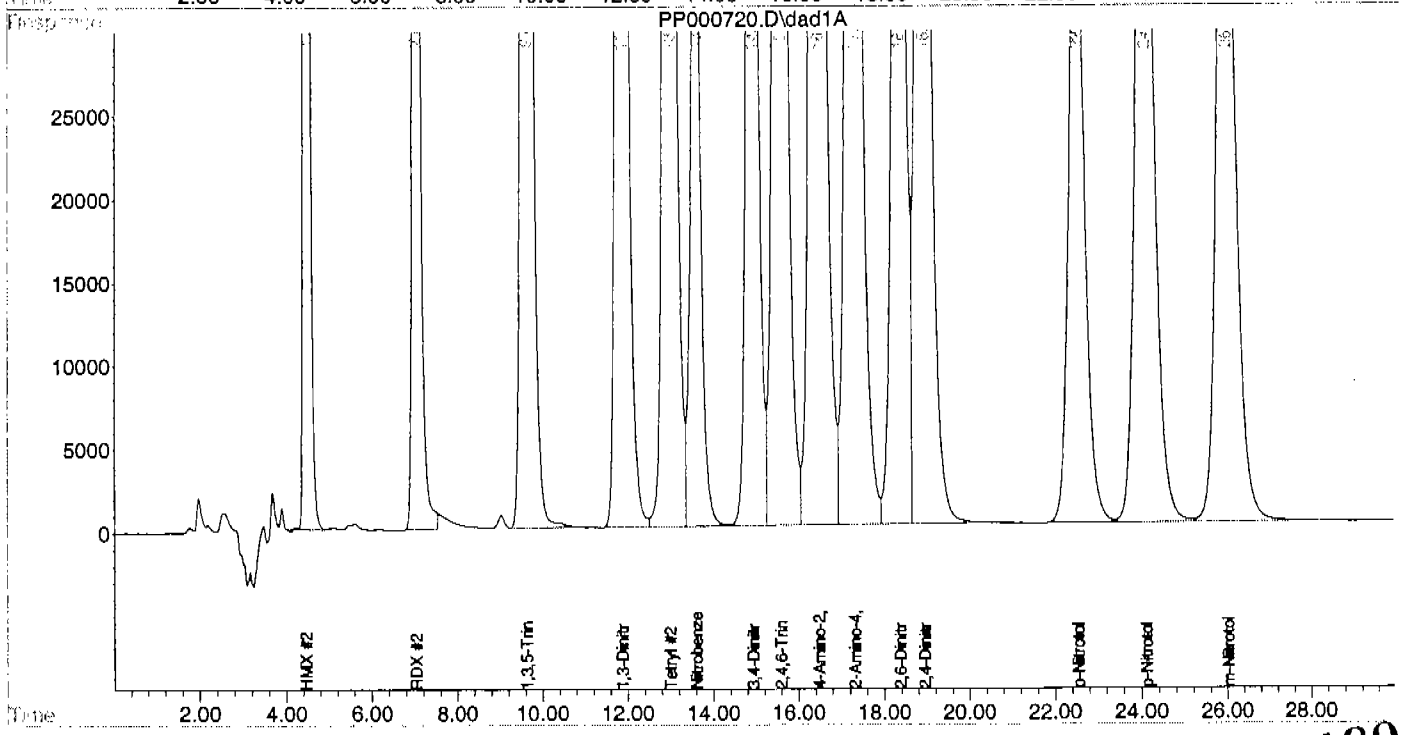
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000720.D\dad1B.ch Vial: 9
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000720.D\dad1A.ch
Acq On : 24-Aug-2004, 19:28:39 Operator: MIKEE
Sample : IC28-2000 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:06 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Response Factor Report G1315B

Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration

MM 8/25/04

Calibration Files
20 =PP000714.D 100 =PP000715.D 250 =PP000716.D 500 =PP000717.D
750 =PP000718.D 1000=PP000719.D 2000=PP000720.D

	Compound	20	100	250	500	750	1000	2000	Avg		%RSD
1)	HMX	3.499	3.067	3.222	3.249	3.208	3.075	3.160	3.211	E3	4.52
2)	RDX	4.073	3.684	3.839	3.959	3.879	3.751	3.847	3.862	E3	3.33
3)	1,3,5-Trinitroben	8.975	8.004	8.521	8.663	8.496	8.176	8.421	8.465	E3	3.74
4)	1,3-Dinitrobenzen	1.206	1.081	1.146	1.165	1.146	1.103	1.135	1.140	E4	3.57
5)	Tetryl	6.840	6.140	6.459	6.585	6.483	6.251	6.446	6.458	E3	3.50
6)	Nitrobenzene	7.513	6.955	7.392	7.596	7.404	7.170	7.377	7.344	E3	2.94
7)S	3,4-Dinitrotoluen	4.932	4.553	4.839	4.929	4.849	4.670	4.845	4.803	E3	2.92
8)	2,4,6-Trinitrotol	8.166	7.674	8.064	8.218	8.087	7.787	8.050	8.007	E3	2.50
9)	4-Amino-2,6-Dinit	5.486	5.213	5.517	5.634	5.544	5.333	5.524	5.465	E3	2.61
10)	2-Amino-4,6-Dinit	7.494	7.032	7.451	7.577	7.468	7.185	7.430	7.377	E3	2.63
11)	2,6-Dinitrotoluen	5.355	4.994	5.308	5.413	5.334	5.127	5.286	5.260	E3	2.79
12)	2,4-Dinitrotoluen	1.106	1.004	1.065	1.088	1.073	1.031	1.065	1.062	E4	3.22
13)	o-Nitrotoluene	4.979	4.404	4.620	4.766	4.616	4.484	4.586	4.636	E3	4.08
14)	p-Nitrotoluene	4.067	3.737	3.939	4.025	3.906	3.791	3.890	3.908	E3	3.01
15)	m-Nitrotoluene	5.136	4.876	5.131	5.212	5.047	4.914	5.041	5.051	E3	2.42

Signal #2

1)	HMX	9.861	8.807	9.359	9.463	9.304	8.951	9.193	9.277	E3	3.73
2)	RDX	6.606	6.168	6.550	6.674	6.504	6.273	6.401	6.454	E3	2.83
3)	1,3,5-Trinitroben	1.778	1.597	1.699	1.729	1.706	1.643	1.693	1.692	E4	3.44
4)	1,3-Dinitrobenzen	1.445	1.305	1.367	1.393	1.370	1.320	1.357	1.365	E4	3.39
5)	Tetryl	1.257	1.117	1.168	1.190	1.171	1.130	1.162	1.171	E4	3.90
6)	Nitrobenzene	3.668	3.315	3.455	3.578	3.475	3.385	3.462	3.477	E3	3.37
7)S	3,4-Dinitrotoluen	6.535	6.213	6.577	6.723	6.604	6.379	6.568	6.514	E3	2.57
8)	2,4,6-Trinitrotol	1.225	1.119	1.176	1.199	1.179	1.137	1.170	1.172	E4	3.03
9)	4-Amino-2,6-Dinit	1.607	1.412	1.486	1.514	1.490	1.436	1.478	1.489	E4	4.19
10)	2-Amino-4,6-Dinit	1.327	1.185	1.249	1.272	1.253	1.208	1.243	1.248	E4	3.65
11)	2,6-Dinitrotoluen	7.529	6.770	7.164	7.302	7.204	6.940	7.121	7.147	E3	3.42
12)	2,4-Dinitrotoluen	9.968	9.110	9.677	9.882	9.768	9.410	9.680	9.642	E3	3.05
13)	o-Nitrotoluene	5.395	4.698	4.978	5.113	4.974	4.815	4.921	4.985	E3	4.48
14)	p-Nitrotoluene	7.940	7.560	7.970	8.142	7.916	7.668	7.849	7.864	E3	2.48
15)	m-Nitrotoluene	8.144	7.201	7.624	7.804	7.588	7.341	7.516	7.603	E3	4.06

(#) = Out of Range

8330_EX2.M Wed Aug 25 11:12:23 2004

9/23/04

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000721.D\dad1B.ch Vial: 10
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000721.D\dad1A.ch
Acq On : 24-Aug-2004, 20:00:40 Operator: MIKEE
Sample : ICV28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:13 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
Spiked Amount	250.000	Range	71 - 130	Recovery	=	0.00%#	0.00%#
	Target Compounds						
1)	HMX	4.46	4.47	1827566	5296719	569.090m	570.954
2)	RDX	7.04	7.04	2092957	3553990	541.982	550.685m
3)	1,3,5-Trinitrobe	9.63	9.63	4268364	8536096	504.232	504.464
4)	1,3-Dinitrobenze	11.87	11.87	6350836	7619450	556.939	558.138
5)	Tetryl	13.00	13.00	3654823	6675062	565.964	570.129
6)	Nitrobenzene	13.61	13.61	4119699	1965920	560.963	565.418
8)	2,4,6-Trinitroto	15.59	15.59	4327237	6338796	540.457	540.774
9)	4-Amino-2,6-Dini	16.47	16.47	3044746	8264129	557.176	555.149
10)	2-Amino-4,6-Dini	17.31	17.31	4239794	7157121	574.757	573.540
11)	2,6-Dinitrotolue	18.36	18.36	3007808	4090481	571.862	572.316
12)	2,4-Dinitrotolue	18.94	18.94	5831655	5340936	549.134	553.910
13)	o-Nitrotoluene	22.53	22.53	2601006	2800043	560.988	561.717
14)	p-Nitrotoluene	24.11	24.11	2198175	4495410	562.495	571.671
15)	m-Nitrotoluene	26.02	26.02	2845280	4299434	563.310	565.524

8/25/04

8/25/4

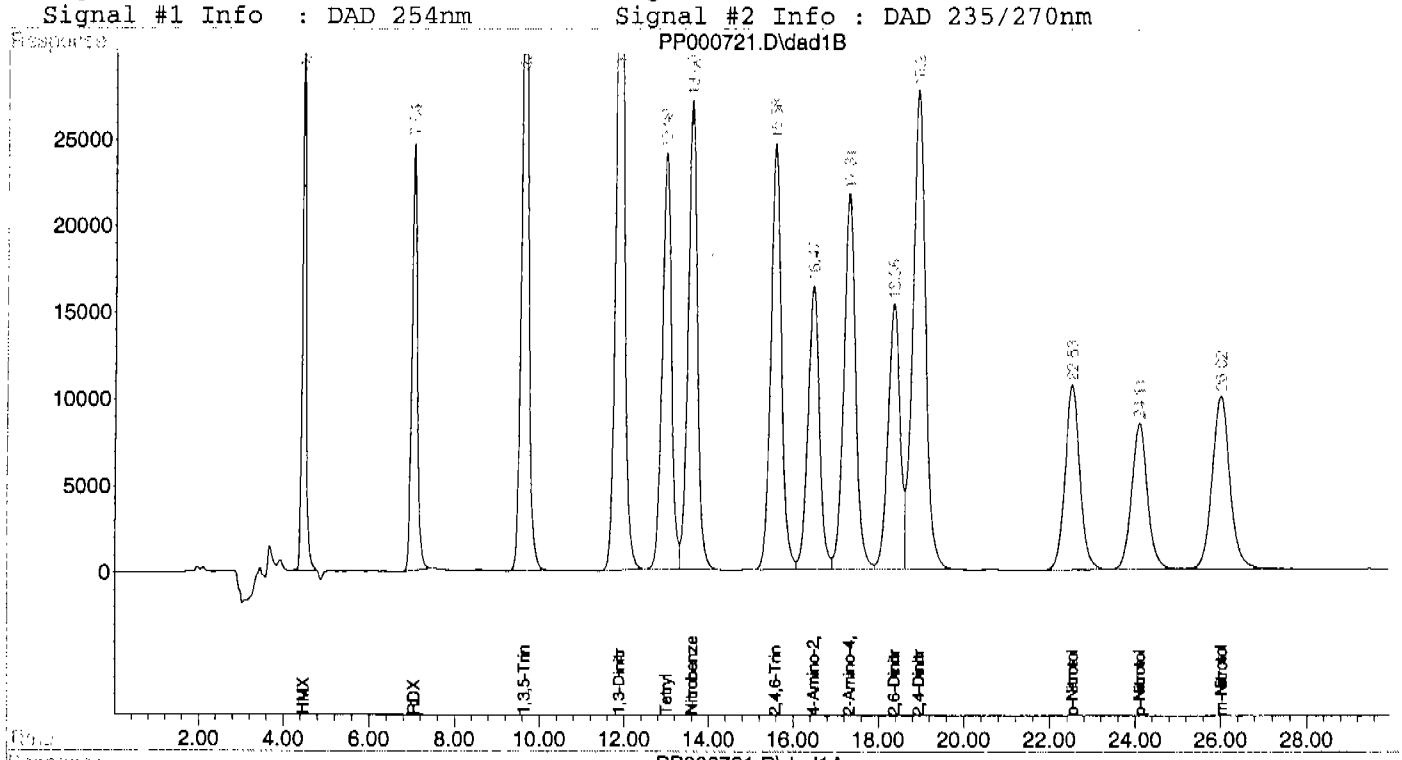
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

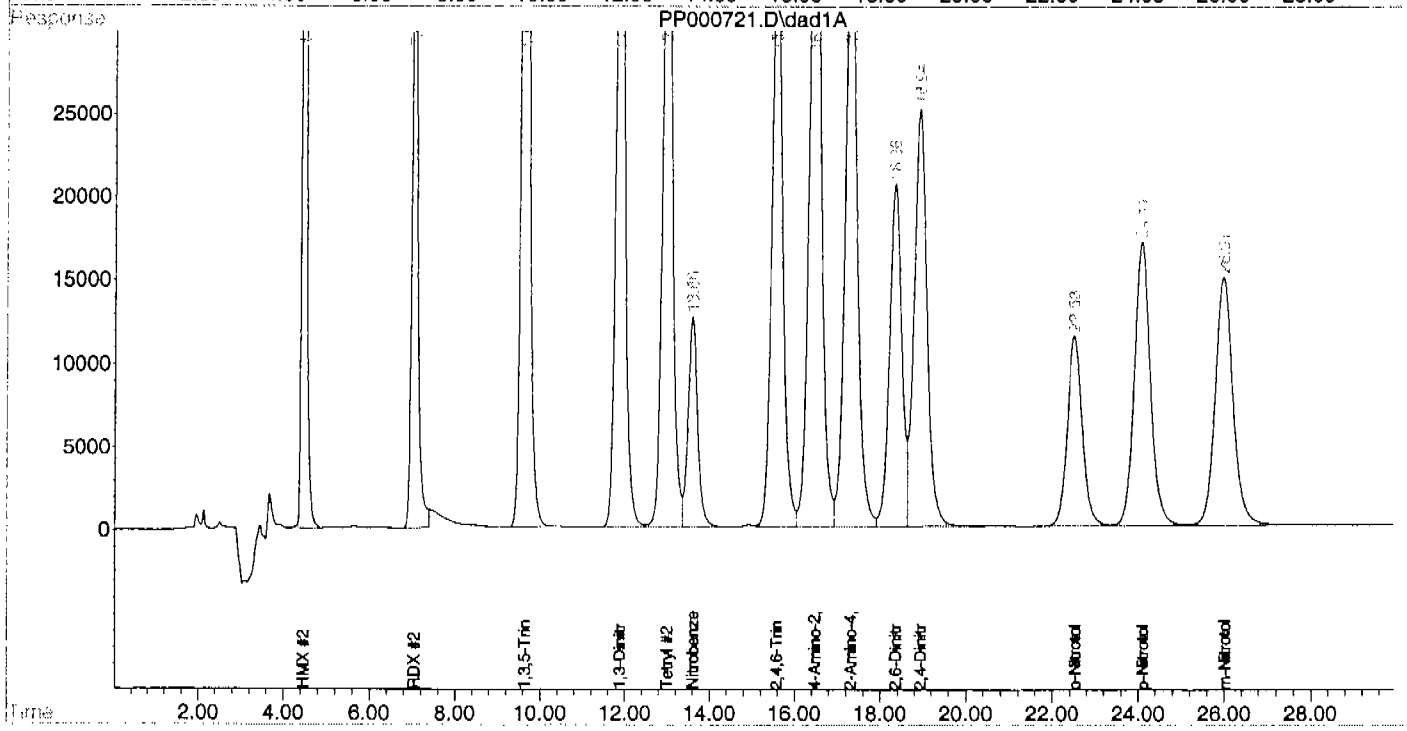
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000721.D\dad1B.ch Vial: 10
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000721.D\dad1A.ch
Acq On : 24-Aug-2004, 20:00:40 Operator: MIKEE
Sample : ICV28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:13 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000721.D\dad1B.ch Vial: 10
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000721.D\dad1A.ch
Acq On : 24-Aug-2004, 20:00:40 Operator: MIKEE
Sample : ICV28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		HMX	500.000	569.090	-13.8	113	0.00	3.97- 4.97
2		RDX	500.000	541.982	-8.4	106	0.00	6.55- 7.55
3		1,3,5-Trinitrobenzene	500.000	504.232	-0.8	99	0.00	9.13-10.13
4		1,3-Dinitrobenzene	500.000	556.939	-11.4	109	0.00	11.38-12.38
5		Tetryl	500.000	565.964	-13.2	111	0.00	12.50-13.50
6		Nitrobenzene	500.000	560.963	-12.2	108	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene		----------NA----------				
8		2,4,6-Trinitrotoluene	500.000	540.457	-8.1	105	-0.01	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	557.176	-11.4	108	-0.01	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	574.757	-15.0	112	0.00	16.82-17.82
11		2,6-Dinitrotoluene	500.000	571.862	-14.4	111	-0.02	17.88-18.88
12		2,4-Dinitrotoluene	500.000	549.134	-9.8	107	-0.01	18.45-19.45
13		o-Nitrotoluene	500.000	560.988	-12.2	109	-0.02	22.05-23.05
14		p-Nitrotoluene	500.000	562.495	-12.5	109	-0.02	23.63-24.63
15		m-Nitrotoluene	500.000	563.310	-12.7	109	-0.02	25.54-26.54

***** Signal #2 *****

1		HMX	500.000	570.954	-14.2	112	0.00	3.97- 4.97
2		RDX	500.000	550.685	-10.1	107	0.00	6.54- 7.54
3		1,3,5-Trinitrobenzene	500.000	504.464	-0.9	99	0.00	9.13-10.13
4		1,3-Dinitrobenzene	500.000	558.138	-11.6	109	0.00	11.38-12.38
5		Tetryl	500.000	570.129	-14.0	112	0.00	12.50-13.50
6		Nitrobenzene	500.000	565.418	-13.1	110	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene		----------NA----------				
8		2,4,6-Trinitrotoluene	500.000	540.774	-8.2	106	-0.01	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	555.149	-11.0	109	-0.01	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	573.540	-14.7	113	0.00	16.82-17.82
11		2,6-Dinitrotoluene	500.000	572.316	-14.5	112	-0.02	17.88-18.88
12		2,4-Dinitrotoluene	500.000	553.910	-10.8	108	-0.01	18.45-19.45
13		o-Nitrotoluene	500.000	561.717	-12.3	110	-0.02	22.05-23.05
14		p-Nitrotoluene	500.000	571.671	-14.3	110	-0.02	23.63-24.63
15		m-Nitrotoluene	500.000	565.524	-13.1	110	-0.02	25.54-26.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP000717.D 8330_EX2.M Wed Aug 25 11:13:01 2004

CONTINUING CALIBRATION

SGC.09

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000681.D\dad1B.ch Vial: 1
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000681.D\dad1A.ch
Acq On : 24-Aug-2004, 09:15:49 Operator: MIKEE
Sample : CC27-10000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:19 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.58	4369645	1164.779 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 465.91%#	
5) S 3,4-Dinitrotoluene #2	3.58	2149501	1068.769 ppb m
Spiked Amount 250.000 Range 61 - 124		Recovery = 427.51%#	
Target Compounds			
1) Nitroglycerin	2.91	11750061	9993.664 ppb
3) PETN	5.11	13608077	10028.720 ppb

MKE 8/24/04

SW 8-24-04

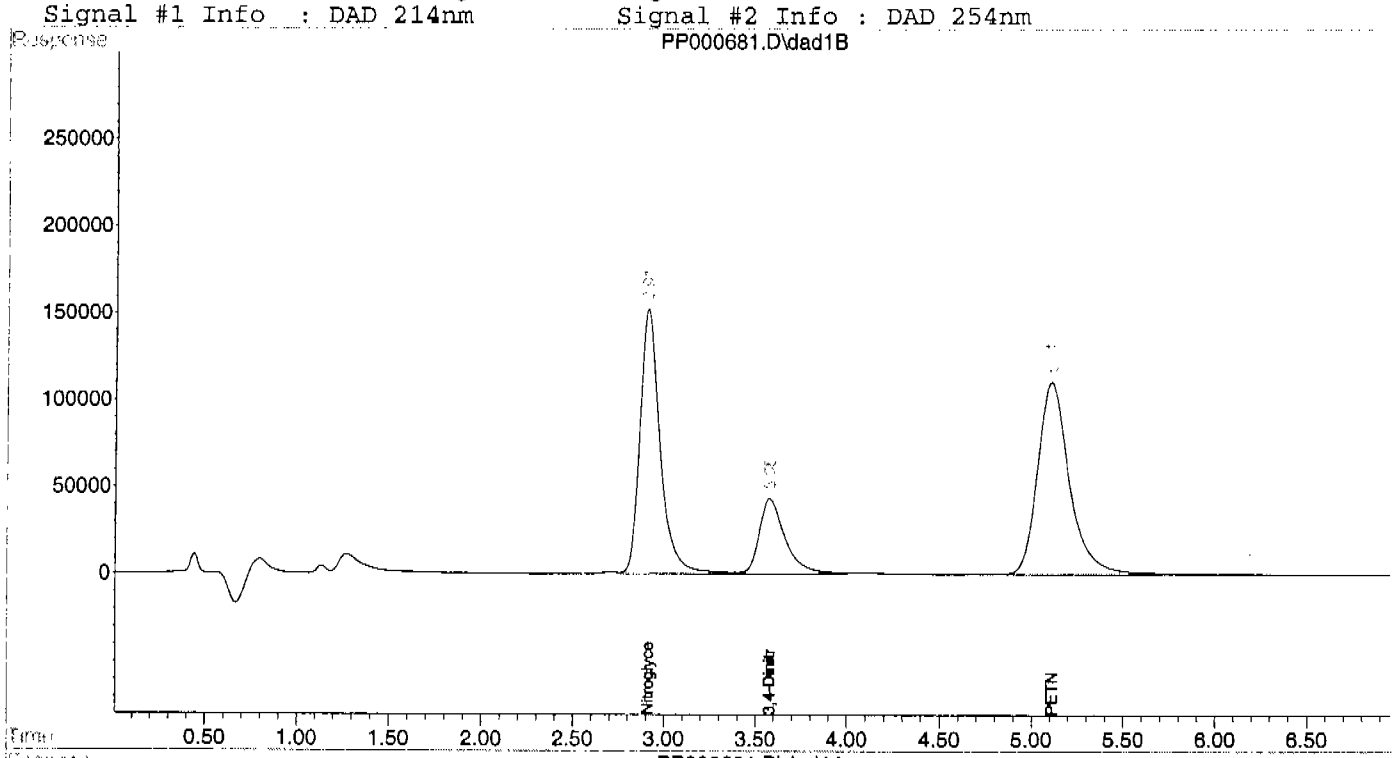
(f)=RT Delta > 1/2 Window (m)=manual int.

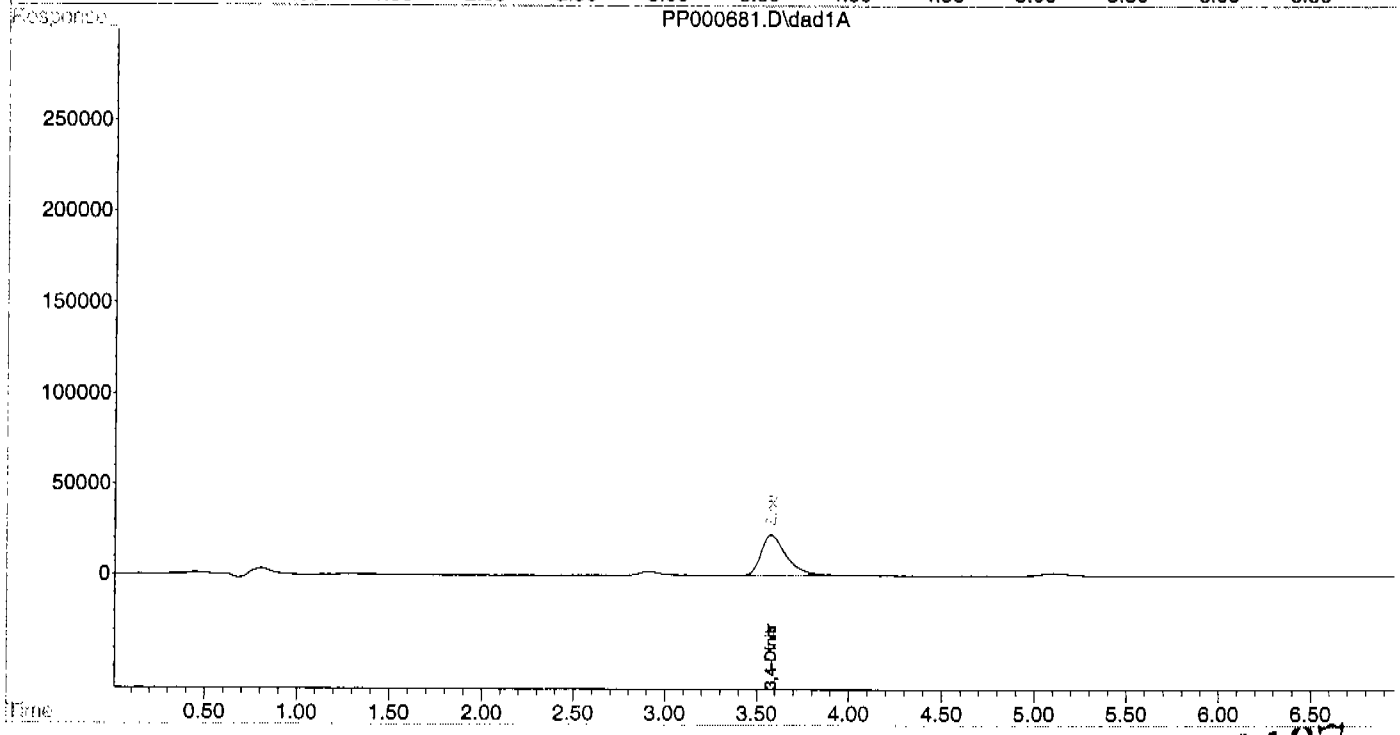
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000681.D\dad1B.ch Vial: 1
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000681.D\dad1A.ch
Acq On : 24-Aug-2004, 09:15:49 Operator: MIKEE
Sample : CC27-10000 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 13:19 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 09:35:10 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000700.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000700.D\dad1A.ch
Acq On : 24-Aug-2004, 11:58:18 Operator: MIKEE
Sample : CC27-2500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:10 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.62	1125393	262.578 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 105.03%	
5) S 3,4-Dinitrotoluene #2	3.62	520173	234.149 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 93.66%	
Target Compounds			
1) Nitroglycerin	2.93	2918052	2494.575 ppb
3) PETN	5.14	3278555	2435.273 ppb

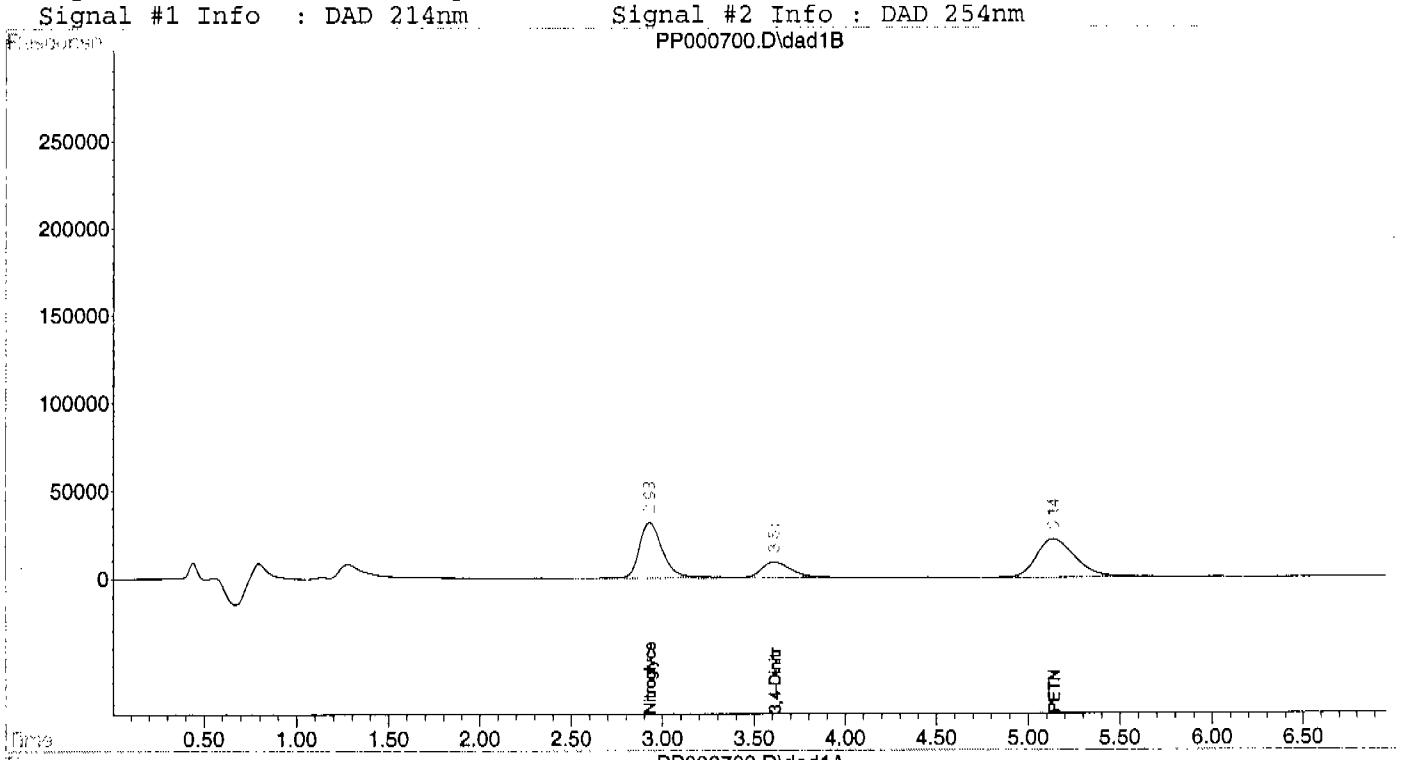
MM 8/24/04

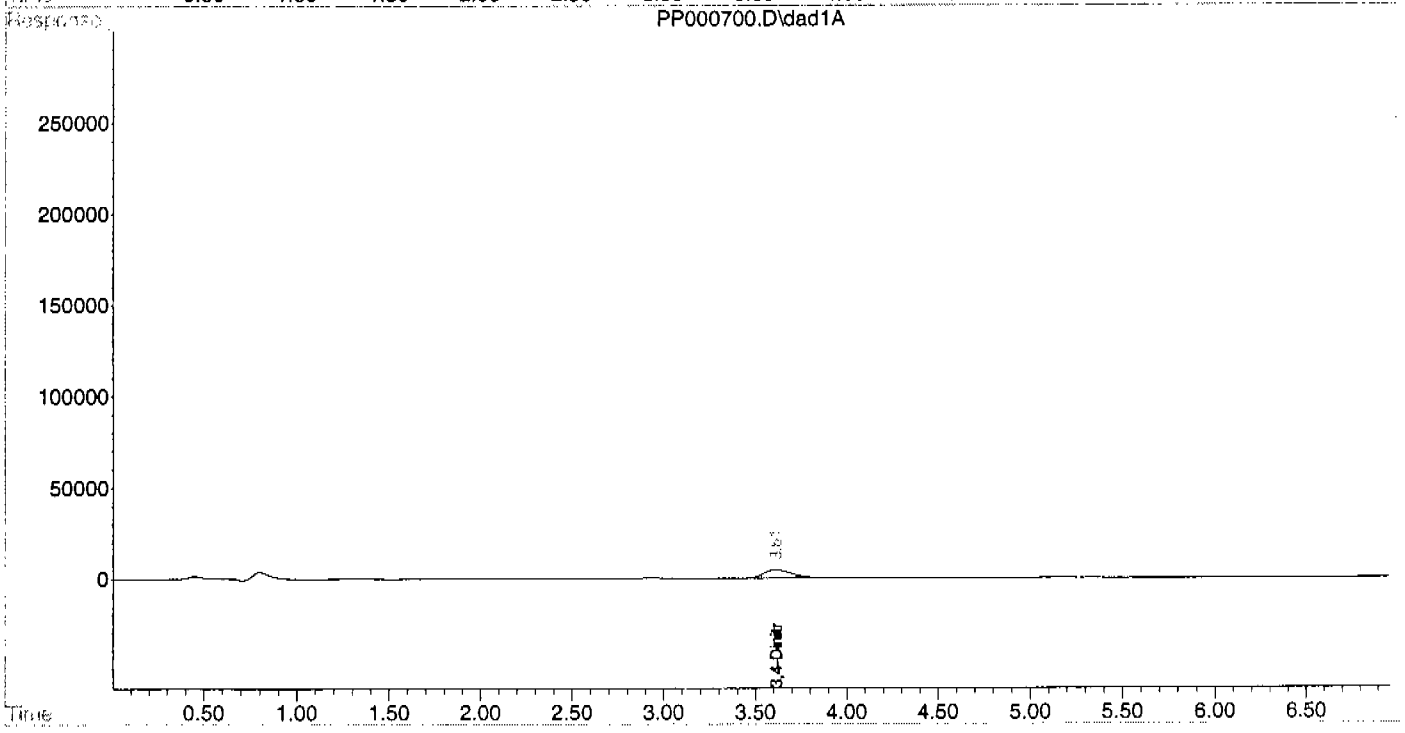
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000700.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000700.D\dad1A.ch
Acq On : 24-Aug-2004, 11:58:18 Operator: MIKEE
Sample : CC27-2500 Inst : G1315B
Misc : op11098,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:10 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000711.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000711.D\dad1A.ch
Acq On : 24-Aug-2004, 13:31:57 Operator: MIKEE
Sample : ECC27-5000 Inst : G1315B
Misc : op11138,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:39 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Initial Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S 3,4-Dinitrotoluene	3.60	2306576	538.172 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 215.27%#	
5) S 3,4-Dinitrotoluene #2	3.60	1101566	495.855 ppb
Spiked Amount 250.000 Range 61 - 124		Recovery = 198.34%#	
Target Compounds			
1) Nitroglycerin	2.93	5983582	5115.225 ppb
3) PETN	5.13	6866991	5100.722 ppb

MKE 8/24/04

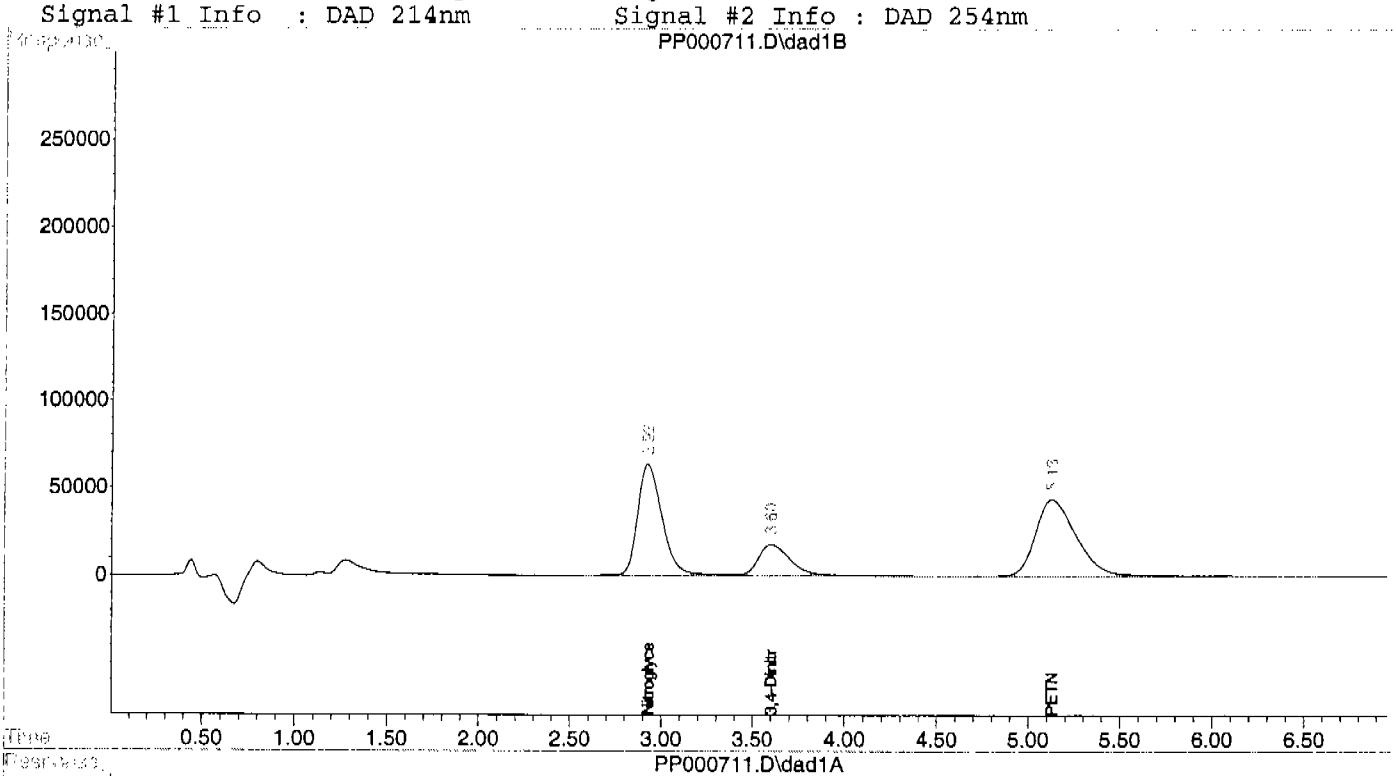
(f)=RT Delta > 1/2 Window (m)=manual int.

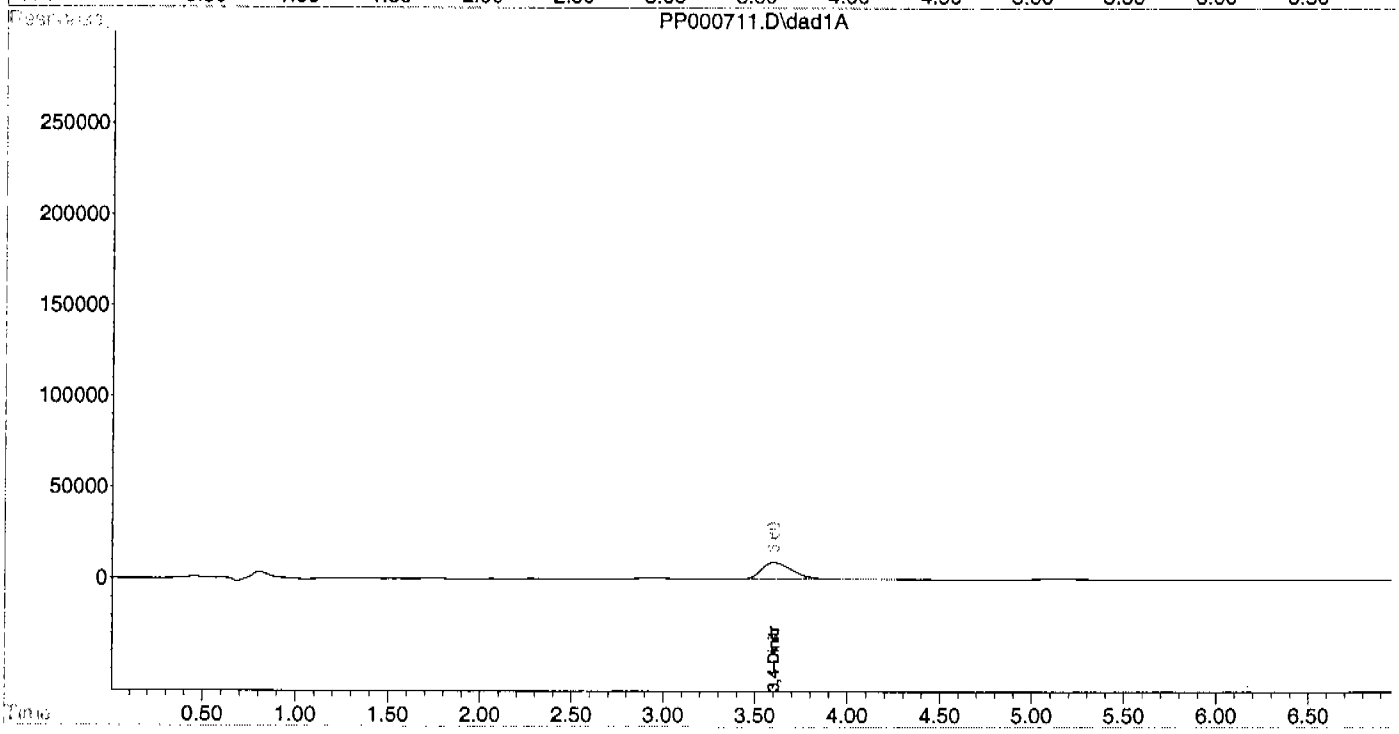
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000711.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000711.D\dad1A.ch
Acq On : 24-Aug-2004, 13:31:57 Operator: MIKEE
Sample : ECC27-5000 Inst : G1315B
Misc : op11138,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 24 16:39 2004 Quant Results File: 8332_NIT.RES

Quant Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8332_NIT.M

Volume Inj. : 50ul
Signal #1 Phase : Envirosep-PP C-1 Signal #2 Phase:
Signal #1 Info : DAD 214nm Signal #2 Info : DAD 254nm





Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0824NIT\PP000711.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824NIT\PP000711.D\dad1A.ch
Acq On : 24-Aug-2004, 13:31:57 Operator: MIKEE
Sample : ECC27-5000 Inst : G1315B
Misc : op11138,gpp27,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : X:\HPLC4-PP\METHODS\8332_NIT.M (Chemstation Integrator)
Title : Explosives by 8330/8332
Last Update : Tue Aug 24 10:22:57 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Nitroglycerin	5000.000	5115.225	-2.3	102	0.00	2.43- 3.43
2 S	3,4-Dinitrotoluene	500.000	538.172	-7.6	111	0.00	3.10- 4.10
3	PETN	5000.000	5100.722	-2.0	101	0.00	4.63- 5.63

***** Signal #2 *****

5 S	3,4-Dinitrotoluene #2	500.000	495.855	0.8	102	0.00	3.10- 4.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP000686.D 8332_NIT.M Tue Aug 24 13:38:39 2004

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000712.D\dad1B.ch Vial: 1
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000712.D\dad1A.ch
Acq On : 24-Aug-2004, 15:12:52 Operator: MIKEE
Sample : CC28-2000 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:02 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	15.00	15.00	9683066	13237174	2056.606	2059.560
	Spiked Amount 250.000 Range 71 - 130 Recovery = 822.64%# 823.82%#						
	Target Compounds						
1)	HMX	4.47	4.47	6281327	18246603	2008.406m BR	1978.212
2)	RDX	7.06	7.06	7640368	13020623	1837.175	1744.488
3)	1,3,5-Trinitrobe	9.66	9.66	16705368	33592752	2000.697	1992.109
4)	1,3-Dinitrobenze	11.91	11.91	22587349	27057277	1988.913	1989.319
5)	Tetryl	13.04	13.04	12838409	23229099	1995.725	2018.626
6)	Nitrobenzene	13.66	13.66	14835869	7123318	1999.633	2077.750
8)	2,4,6-Trinitroto	15.66	15.66	15986497	23242594	2026.361	2013.249
9)	4-Amino-2,6-Dini	16.53	16.53	10965155	29211181	1980.756	1958.728
10)	2-Amino-4,6-Dini	17.37	17.37	14736675	24470147	1969.895	1961.998
11)	2,6-Dinitrotolue	18.45	18.45	10565518	14110332	1901.347	1889.375
12)	2,4-Dinitrotolue	19.03	19.03	21131650	19048746	2024.864	2031.451
13)	o-Nitrotoluene	22.66	22.66	9232766	9925375	1917.366	1952.757
14)	p-Nitrotoluene	24.24	24.24	7810425	15774447	1860.717	1934.577
15)	m-Nitrotoluene	26.16	26.16	10078124	15049643	1925.255	1925.645

MBR 8/25/04

8/25/04

0143

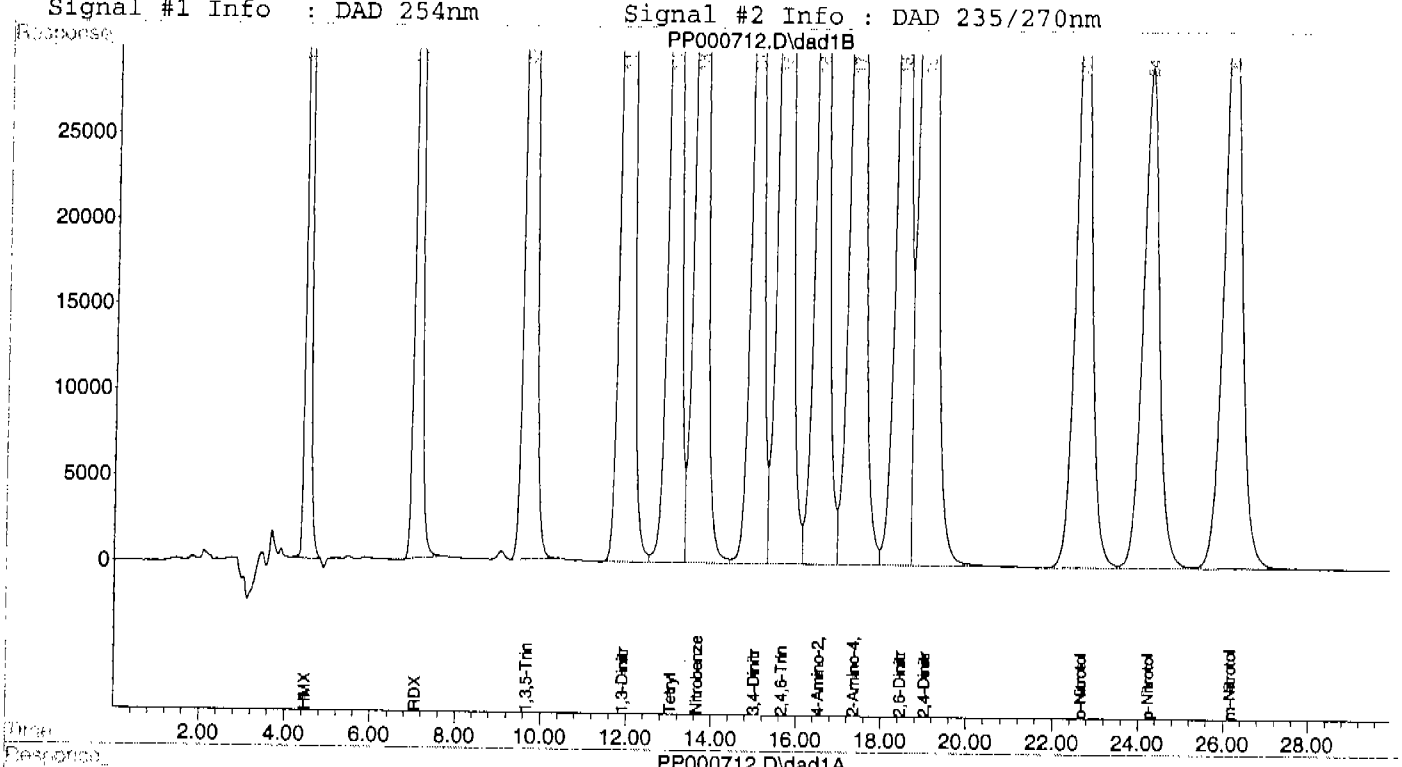
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

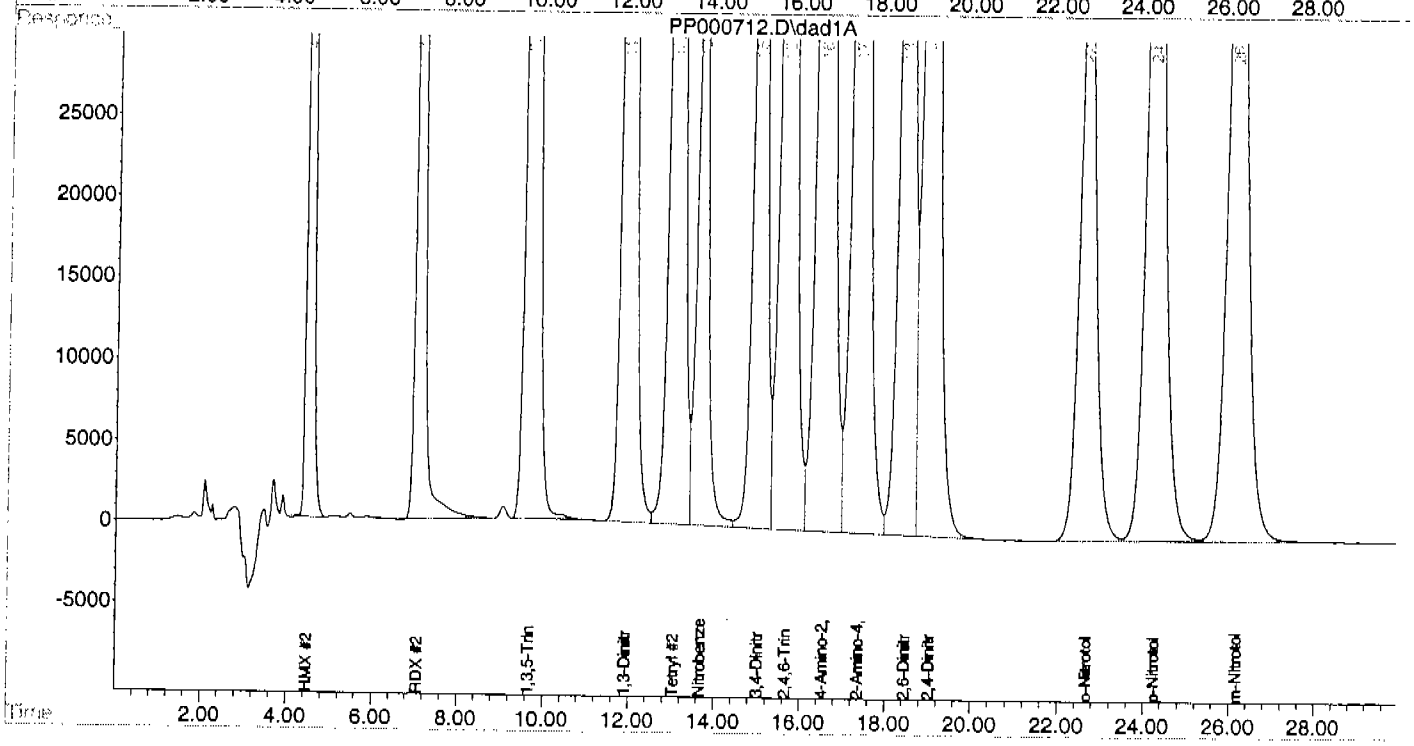
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000712.D\dad1B.ch Vial: 1
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000712.D\dad1A.ch
Acq On : 24-Aug-2004, 15:12:52 Operator: MIKEE
Sample : CC28-2000 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:02 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:00:01 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000731.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000731.D\dad1A.ch
Acq On : 25-Aug-2004, 01:20:22 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:18 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.94	14.94	2470449	3369135	514.405	517.200
Spiked Amount	250.000	Range	71 - 130	Recovery	=	205.76%#	206.88%#
	Target Compounds						
1)	HMX	4.46	4.47	1622983	4772157	505.384m	514.409
2)	RDX	7.04	7.04	1977143	3255355	511.991m	504.412m
3)	1,3,5-Trinitrobe	9.64	9.63	4325679	8724873	511.003	515.621m
4)	1,3-Dinitrobenze	11.88	11.88	5805094	6996084	509.080	512.476
5)	Tetryl	13.00	13.00	3287258	6014983	509.046	513.750
6)	Nitrobenzene	13.62	13.61	3768693	1792173	513.168	515.447
8)	2,4,6-Trinitroto	15.60	15.60	4133686	6028929	516.283	514.338
9)	4-Amino-2,6-Dini	16.48	16.48	2836599	7628592	519.086	512.456
10)	2-Amino-4,6-Dini	17.32	17.32	3815204	6424339	517.198	514.818
11)	2,6-Dinitrotolue	18.38	18.38	2694867	3644874	512.364	509.969
12)	2,4-Dinitrotolue	18.95	18.95	5475991	4984312	515.643	516.924
13)	o-Nitrotoluene	22.56	22.56	2508914	2625128	541.125	526.627
14)	p-Nitrotoluene	24.14	24.14	1962754	4006970	502.252	509.557
15)	m-Nitrotoluene	26.05	26.05	2560136	3823738	506.857	502.954

pDB

MLR 8/25/04

MJ 8/25/04

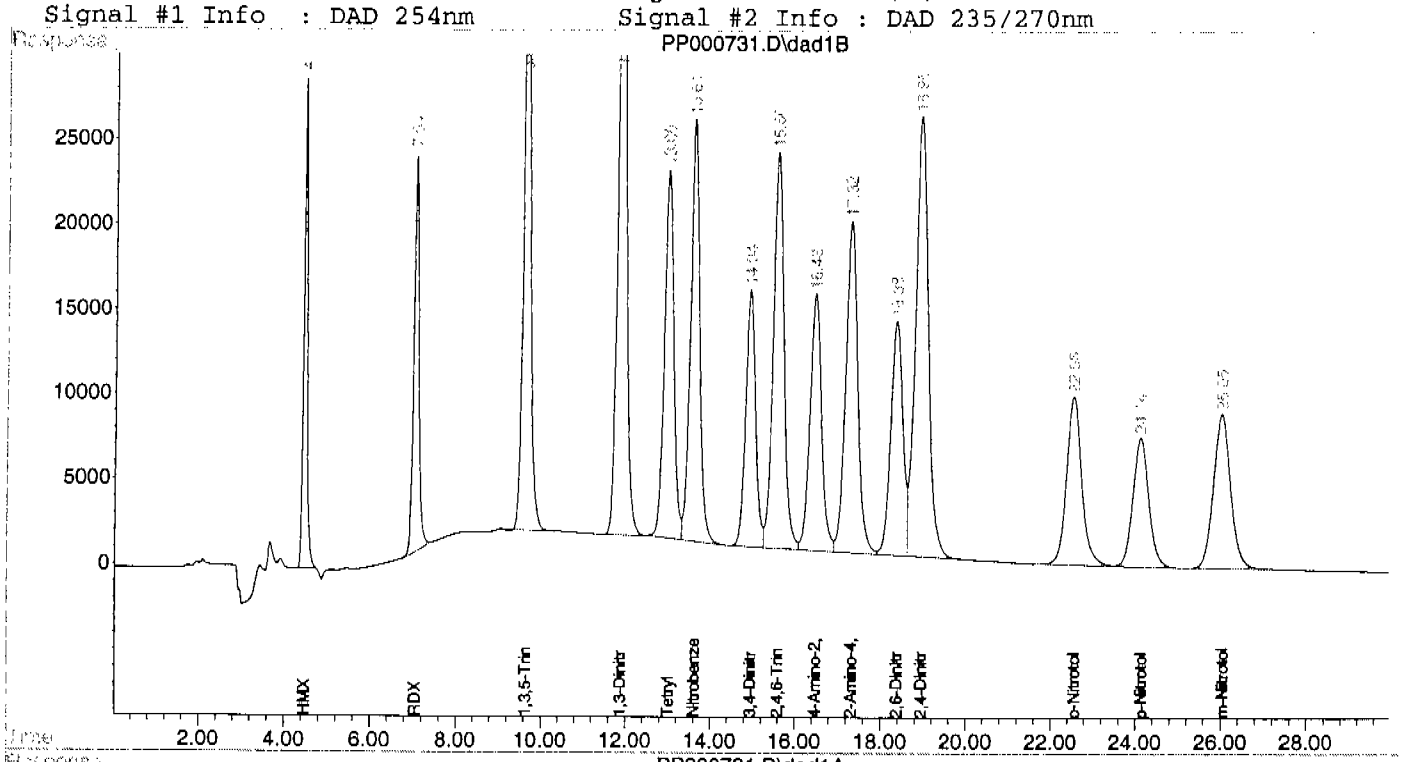
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

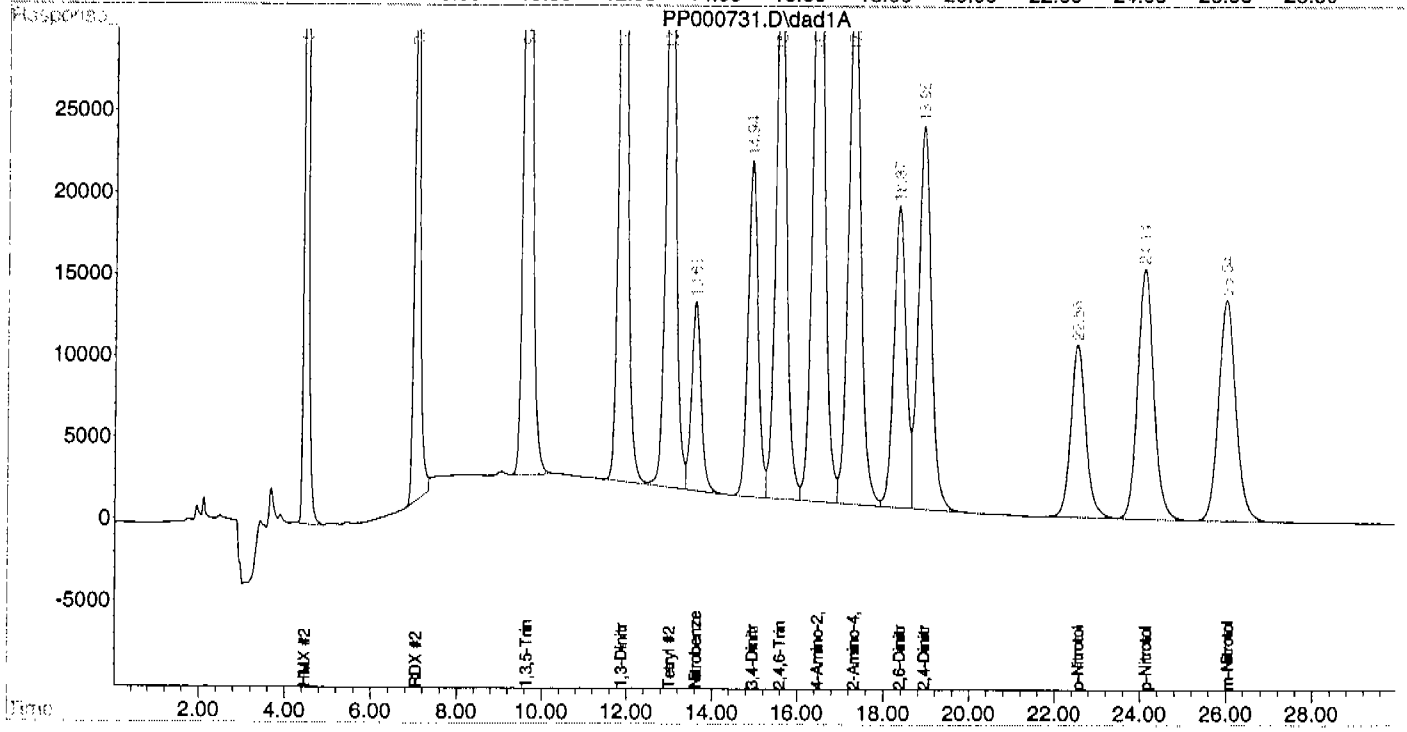
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000731.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000731.D\dad1A.ch
Acq On : 25-Aug-2004, 01:20:22 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 14:18 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000731.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000731.D\dad1A.ch
Acq On : 25-Aug-2004, 01:20:22 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		HMX	500.000	505.384	-1.1	100	0.00	3.97- 4.97
2		RDX	500.000	511.991	-2.4	100	0.00	6.55- 7.55
3		1,3,5-Trinitrobenzene	500.000	511.003	-2.2	100	0.00	9.13-10.13
4		1,3-Dinitrobenzene	500.000	509.080	-1.8	100	0.00	11.38-12.38
5		Tetryl	500.000	509.046	-1.8	100	0.00	12.50-13.50
6		Nitrobenzene	500.000	513.168	-2.6	99	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene	500.000	514.405	-2.9	100	0.00	14.44-15.44
8		2,4,6-Trinitrotoluene	500.000	516.283	-3.3	101	0.00	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	519.086	-3.8	101	0.00	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	517.198	-3.4	101	0.00	16.82-17.82
11		2,6-Dinitrotoluene	500.000	512.364	-2.5	100	0.00	17.88-18.88
12		2,4-Dinitrotoluene	500.000	515.643	-3.1	101	0.00	18.45-19.45
13		o-Nitrotoluene	500.000	541.125	-8.2	105	0.00	22.05-23.05
14		p-Nitrotoluene	500.000	502.252	-0.5	98	0.01	23.63-24.63
15		m-Nitrotoluene	500.000	506.857	-1.4	98	0.01	25.54-26.54

***** Signal #2 *****

1		HMX	500.000	514.409	-2.9	101	0.00	3.97- 4.97
2		RDX	500.000	504.412	-0.9	98	0.00	6.54- 7.54
3		1,3,5-Trinitrobenzene	500.000	515.621	-3.1	101	0.00	9.13-10.13
4		1,3-Dinitrobenzene	500.000	512.476	-2.5	100	0.00	11.38-12.38
5		Tetryl	500.000	513.750	-2.8	101	0.00	12.50-13.50
6		Nitrobenzene	500.000	515.447	-3.1	100	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene	500.000	517.200	-3.4	100	0.00	14.44-15.44
8		2,4,6-Trinitrotoluene	500.000	514.338	-2.9	101	0.00	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	512.456	-2.5	101	0.00	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	514.818	-3.0	101	0.00	16.82-17.82
11		2,6-Dinitrotoluene	500.000	509.969	-2.0	100	0.00	17.88-18.88
12		2,4-Dinitrotoluene	500.000	516.924	-3.4	101	0.00	18.45-19.45
13		o-Nitrotoluene	500.000	526.627	-5.3	103	0.00	22.05-23.05
14		p-Nitrotoluene	500.000	509.557	-1.9	98	0.01	23.63-24.63
15		m-Nitrotoluene	500.000	502.954	-0.6	98	0.01	25.54-26.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP000717.D 8330_EX2.M Wed Aug 25 13:42:00 2004

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000737.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000737.D\dad1A.ch
Acq On : 25-Aug-2004, 04:32:16 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:28 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.93	14.93	2483291	3389728	517.079	520.362
	Spiked Amount 250.000 Range 71 - 130 Recovery =					206.83%#	208.14%#
	Target Compounds						
1)	HMX	4.46	4.47	1636070	4786867	509.460m	515.995
2)	RDX	7.04	7.04	1984690	3321153	513.946	514.607m
3)	1,3,5-Trinitrobe	9.63	9.63	4377226	8756716	517.093	517.502
4)	1,3-Dinitrobenze	11.87	11.87	5826638	7048037	510.970	516.281
5)	Tetryl	12.99	12.99	3306854	6063386	512.080	517.885
6)	Nitrobenzene	13.61	13.61	3758950	1784450	511.842	513.226
8)	2,4,6-Trinitroto	15.59	15.59	4147835	6060805	518.050	517.058
9)	4-Amino-2,6-Dini	16.47	16.47	2833952	7645010	518.601	513.559
10)	2-Amino-4,6-Dini	17.31	17.31	3816813	6434318	517.417	515.618
11)	2,6-Dinitrotolue	18.37	18.37	2699250	3663053	513.197	512.512
12)	2,4-Dinitrotolue	18.94	18.94	5485479	5021155	516.537	520.745
13)	o-Nitrotoluene	22.54	22.54	2359468	2532475	508.893	508.040
14)	p-Nitrotoluene	24.12	24.12	2001320	4035637	512.121	513.203
15)	m-Nitrotoluene	26.03	26.03	2572407	3836020	509.286	504.569

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

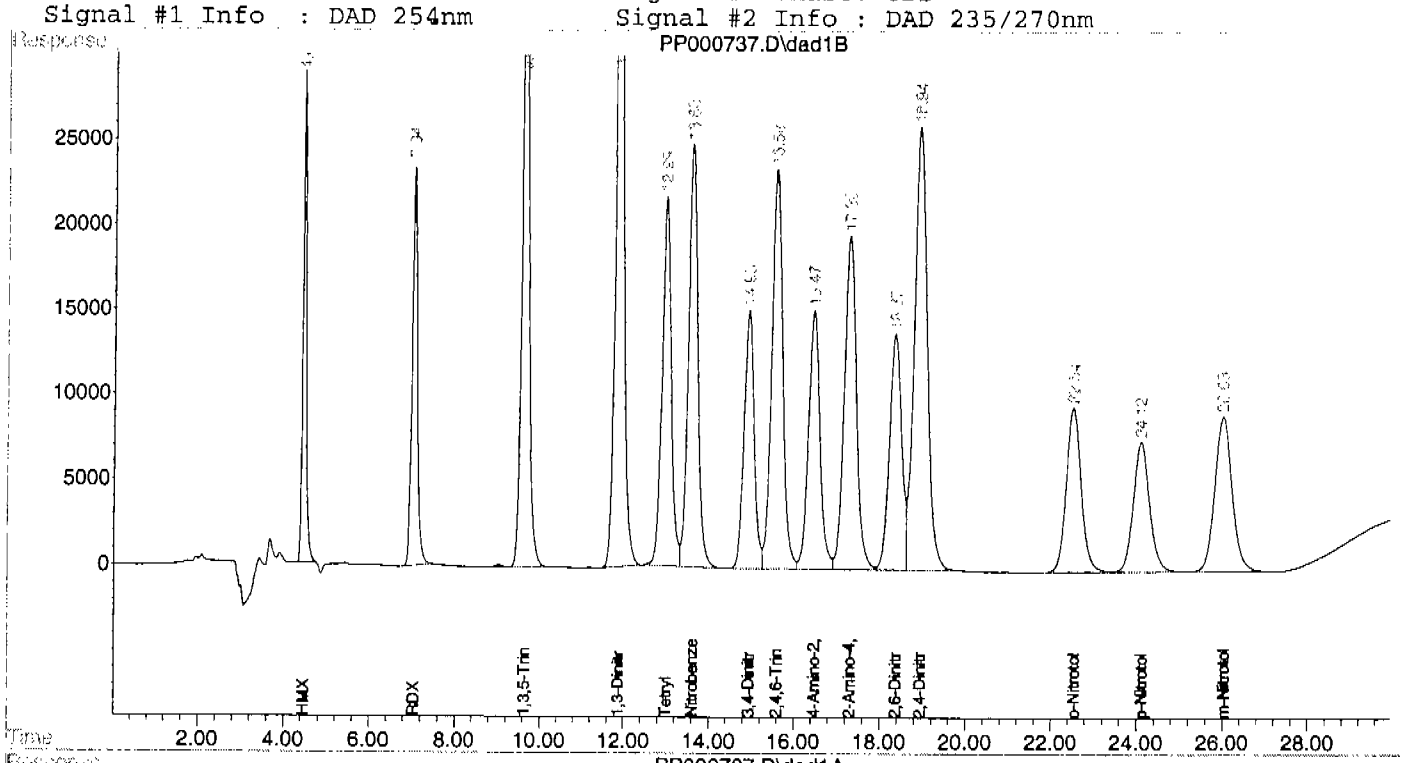
0148

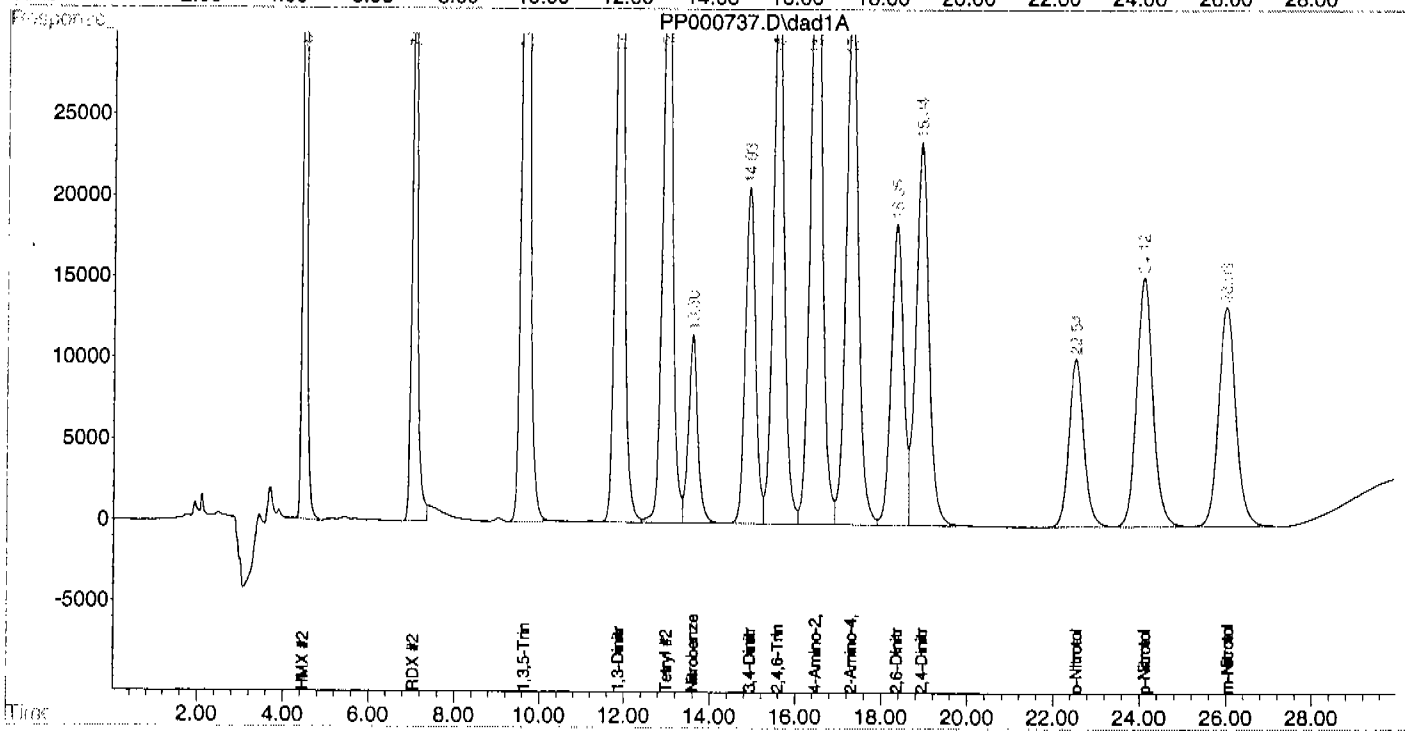
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000737.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000737.D\dad1A.ch
Acq On : 25-Aug-2004, 04:32:16 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:28 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000737.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000737.D\dad1A.ch
Acq On : 25-Aug-2004, 04:32:16 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11129,gpp28,2.00,,,20,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		HMX	500.000	509.460	-1.9	101	0.00	3.97- 4.97
2		RDX	500.000	513.946	-2.8	100	0.00	6.55- 7.55
3		1,3,5-Trinitrobenzene	500.000	517.093	-3.4	101	0.00	9.13-10.13
4		1,3-Dinitrobenzene	500.000	510.970	-2.2	100	0.00	11.38-12.38
5		Tetryl	500.000	512.080	-2.4	100	-0.01	12.50-13.50
6		Nitrobenzene	500.000	511.842	-2.4	99	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene	500.000	517.079	-3.4	101	0.00	14.44-15.44
8		2,4,6-Trinitrotoluene	500.000	518.050	-3.6	101	0.00	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	518.601	-3.7	101	-0.02	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	517.417	-3.5	101	-0.02	16.82-17.82
11		2,6-Dinitrotoluene	500.000	513.197	-2.6	100	-0.01	17.88-18.88
12		2,4-Dinitrotoluene	500.000	516.537	-3.3	101	-0.01	18.45-19.45
13		o-Nitrotoluene	500.000	508.893	-1.8	99	0.00	22.05-23.05
14		p-Nitrotoluene	500.000	512.121	-2.4	99	0.00	23.63-24.63
15		m-Nitrotoluene	500.000	509.286	-1.9	99	0.00	25.54-26.54

***** Signal #2 *****

1		HMX	500.000	515.995	-3.2	101	0.00	3.97- 4.97
2		RDX	500.000	514.607	-2.9	100	0.00	6.54- 7.54
3		1,3,5-Trinitrobenzene	500.000	517.502	-3.5	101	0.00	9.13-10.13
4		1,3-Dinitrobenzene	500.000	516.281	-3.3	101	0.00	11.38-12.38
5		Tetryl	500.000	517.885	-3.6	102	-0.01	12.50-13.50
6		Nitrobenzene	500.000	513.226	-2.6	100	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene	500.000	520.362	-4.1	101	0.00	14.44-15.44
8		2,4,6-Trinitrotoluene	500.000	517.058	-3.4	101	0.00	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	513.559	-2.7	101	-0.02	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	515.618	-3.1	101	-0.02	16.82-17.82
11		2,6-Dinitrotoluene	500.000	512.512	-2.5	100	-0.01	17.88-18.88
12		2,4-Dinitrotoluene	500.000	520.745	-4.1	102	-0.01	18.45-19.45
13		o-Nitrotoluene	500.000	508.040	-1.6	99	0.00	22.05-23.05
14		p-Nitrotoluene	500.000	513.203	-2.6	99	0.00	23.63-24.63
15		m-Nitrotoluene	500.000	504.569	-0.9	98	0.00	25.54-26.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP000717.D 8330_EX2.M Wed Aug 25 13:42:01 2004

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000745.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000745.D\dad1A.ch
Acq On : 25-Aug-2004, 08:48:06 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:34 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.92	14.92	2501392	3406851	520.848	522.990
	Spiked Amount 250.000	Range	61 - 124	Recovery	=	208.34%#	209.20%#
	Target Compounds						
1)	HMX	4.46	4.46	1653947	4821173	515.027m	519.693
2)	RDX	7.04	7.03	1999012	3358015	517.655	520.319m
3)	1,3,5-Trinitrobe	9.62	9.62	4393785	8803854	519.049	520.288
4)	1,3-Dinitrobenze	11.86	11.86	5902768	7053981	517.646	516.717
5)	Tetryl	12.99	12.99	3382470	6076686	523.789	519.021
6)	Nitrobenzene	13.60	13.60	3744871	1769051	509.924	508.797
8)	2,4,6-Trinitroto	15.58	15.58	4182006	6105588	522.318	520.878
9)	4-Amino-2,6-Dini	16.47	16.46	2856625	7700921	522.750	517.315
10)	2-Amino-4,6-Dini	17.30	17.30	3835088	6476906	519.894	519.030
11)	2,6-Dinitrotolue	18.36	18.36	2701254	3678650	513.578	514.695
12)	2,4-Dinitrotolue	18.93	18.93	5490410	5048381	517.001	523.569
13)	o-Nitrotoluene	22.53	22.53	2344882	2508659	505.747	503.262
14)	p-Nitrotoluene	24.11	24.11	1970897	3990665	504.336	507.484
15)	m-Nitrotoluene	26.02	26.02	2553144	3824930	505.472	503.111

op

8/25/04

8/25/4

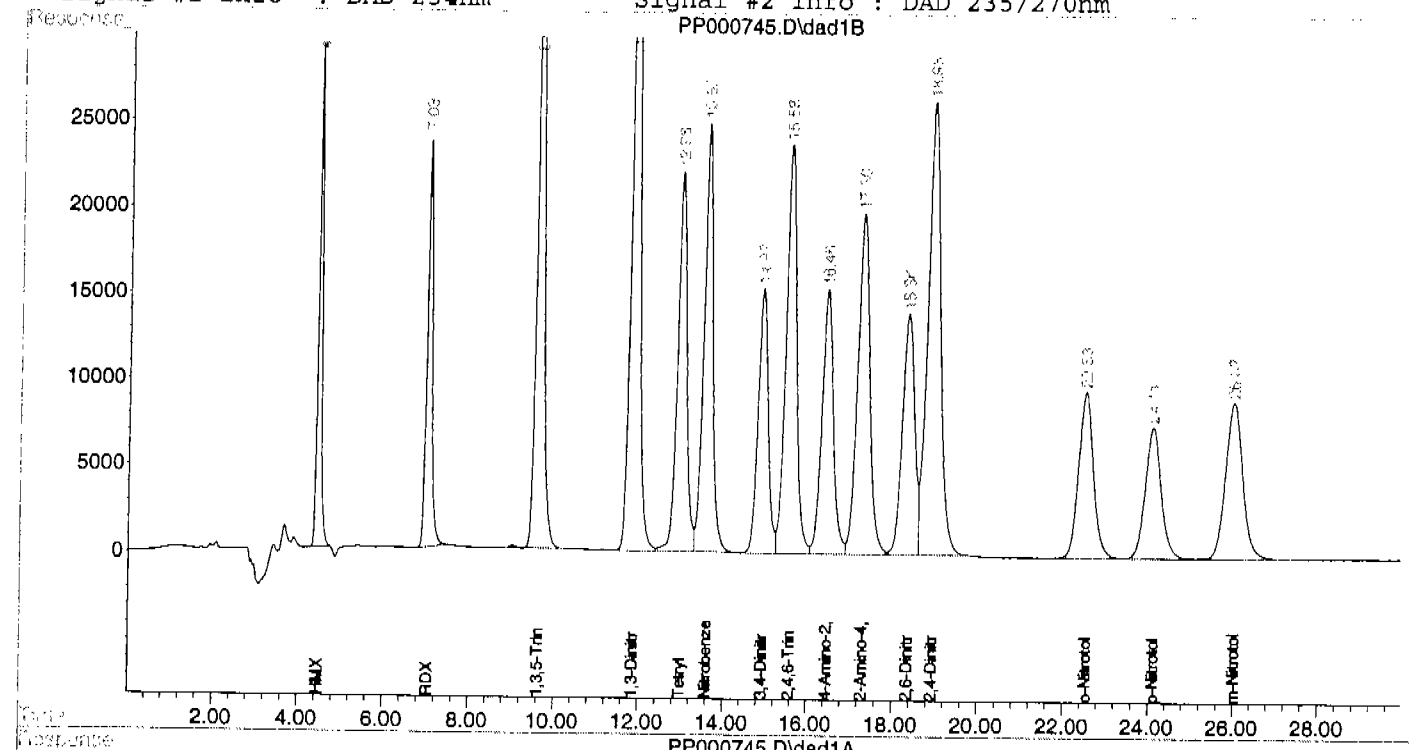
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

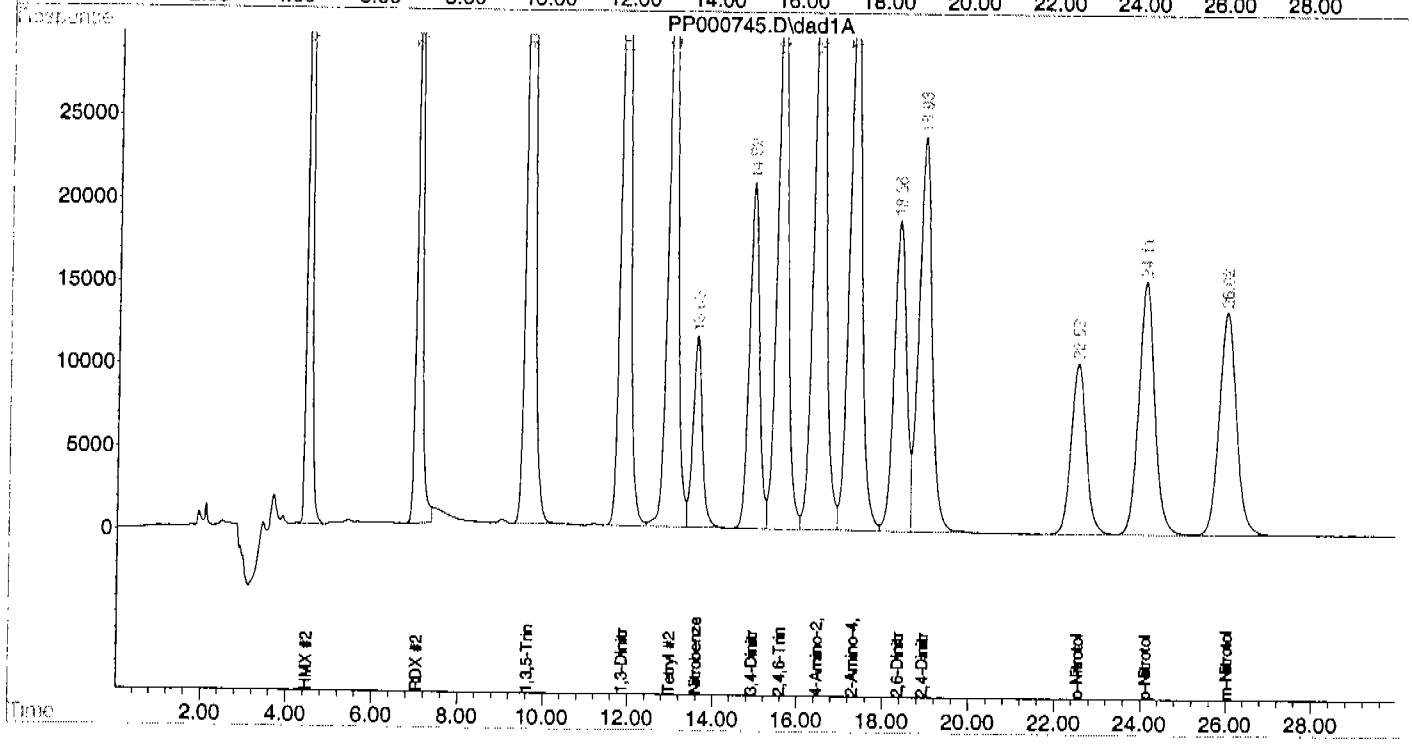
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000745.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000745.D\dad1A.ch
Acq On : 25-Aug-2004, 08:48:06 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:34 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000745.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000745.D\dad1A.ch
Acq On : 25-Aug-2004, 08:48:06 Operator: MIKEE
Sample : CC28-500 Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		HMX	500.000	515.027	-3.0	102	0.00	3.97- 4.97
2		RDX	500.000	517.655	-3.5	101	-0.01	6.55- 7.55
3		1,3,5-Trinitrobenzene	500.000	519.049	-3.8	101	-0.01	9.13-10.13
4		1,3-Dinitrobenzene	500.000	517.646	-3.5	101	-0.01	11.38-12.38
5		Tetryl	500.000	523.789	-4.8	103	-0.02	12.50-13.50
6		Nitrobenzene	500.000	509.924	-2.0	99	-0.01	13.11-14.11
7	S	3,4-Dinitrotoluene	500.000	520.848	-4.2	101	-0.02	14.44-15.44
8		2,4,6-Trinitrotoluene	500.000	522.318	-4.5	102	-0.02	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	522.750	-4.5	101	-0.02	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	519.894	-4.0	101	-0.02	16.82-17.82
11		2,6-Dinitrotoluene	500.000	513.578	-2.7	100	-0.02	17.88-18.88
12		2,4-Dinitrotoluene	500.000	517.001	-3.4	101	-0.02	18.45-19.45
13		o-Nitrotoluene	500.000	505.747	-1.1	98	-0.02	22.05-23.05
14		p-Nitrotoluene	500.000	504.336	-0.9	98	-0.02	23.63-24.63
15		m-Nitrotoluene	500.000	505.472	-1.1	98	-0.02	25.54-26.54

***** Signal #2 *****

1		HMX	500.000	519.693	-3.9	102	0.00	3.97- 4.97
2		RDX	500.000	520.319	-4.1	101	-0.01	6.54- 7.54
3		1,3,5-Trinitrobenzene	500.000	520.288	-4.1	102	-0.01	9.13-10.13
4		1,3-Dinitrobenzene	500.000	516.717	-3.3	101	-0.01	11.38-12.38
5		Tetryl	500.000	519.021	-3.8	102	-0.02	12.50-13.50
6		Nitrobenzene	500.000	508.797	-1.8	99	-0.01	13.11-14.11
7	S	3,4-Dinitrotoluene	500.000	522.990	-4.6	101	-0.02	14.44-15.44
8		2,4,6-Trinitrotoluene	500.000	520.878	-4.2	102	-0.02	15.10-16.10
9		4-Amino-2,6-Dinitrotol	500.000	517.315	-3.5	102	-0.02	15.98-16.98
10		2-Amino-4,6-Dinitrotol	500.000	519.030	-3.8	102	-0.02	16.82-17.82
11		2,6-Dinitrotoluene	500.000	514.695	-2.9	101	-0.02	17.88-18.88
12		2,4-Dinitrotoluene	500.000	523.569	-4.7	102	-0.02	18.45-19.45
13		o-Nitrotoluene	500.000	503.262	-0.7	98	-0.02	22.05-23.05
14		p-Nitrotoluene	500.000	507.484	-1.5	98	-0.02	23.63-24.63
15		m-Nitrotoluene	500.000	503.111	-0.6	98	-0.02	25.54-26.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP000717.D 8330_EX2.M Wed Aug 25 13:42:03 2004

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000753.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000753.D\dad1A.ch
Acq On : 25-Aug-2004, 13:03:57 Operator: MIKEE
Sample : ECC28-1000 Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:42 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Initial Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
7) S	3,4-Dinitrotolue	14.94	14.94	4787247	6555553	996.816	1006.352
Spiked Amount	250.000	Range	61 - 124	Recovery	=	398.73%#	402.54%#
	Target Compounds						
1)	HMX	4.46	4.47	3155104	9214723	982.475m	993.291
2)	RDX	7.04	7.04	3840755	6415475	994.583	994.067m
3)	1,3,5-Trinitrobe	9.63	9.63	8421419	16913231	994.843	999.534
4)	1,3-Dinitrobenze	11.87	11.87	11289619	13502315	990.048	989.069
5)	Tetryl	13.00	13.00	6428780	11581131	995.523	989.165
6)	Nitrobenzene	13.61	13.61	7092684	3364292	965.783	967.604
8)	2,4,6-Trinitroto	15.60	15.60	8008586	11711826	1000.245	999.156
9)	4-Amino-2,6-Dini	16.48	16.48	5478859	14779884	1002.608	992.850
10)	2-Amino-4,6-Dini	17.32	17.32	7379957	12435658	1000.445	996.538
11)	2,6-Dinitrotolue	18.38	18.38	5174103	7028703	983.731	983.414
12)	2,4-Dinitrotolue	18.95	18.95	10561217	9665075	994.490	1002.367
13)	o-Nitrotoluene	22.56	22.56	4429235	4754202	955.302	953.741
14)	p-Nitrotoluene	24.14	24.14	3742319	7573882	957.628	963.153
15)	m-Nitrotoluene	26.05	26.05	4830526	7218033	956.349	949.421

MW 8/25/04

8/25/04

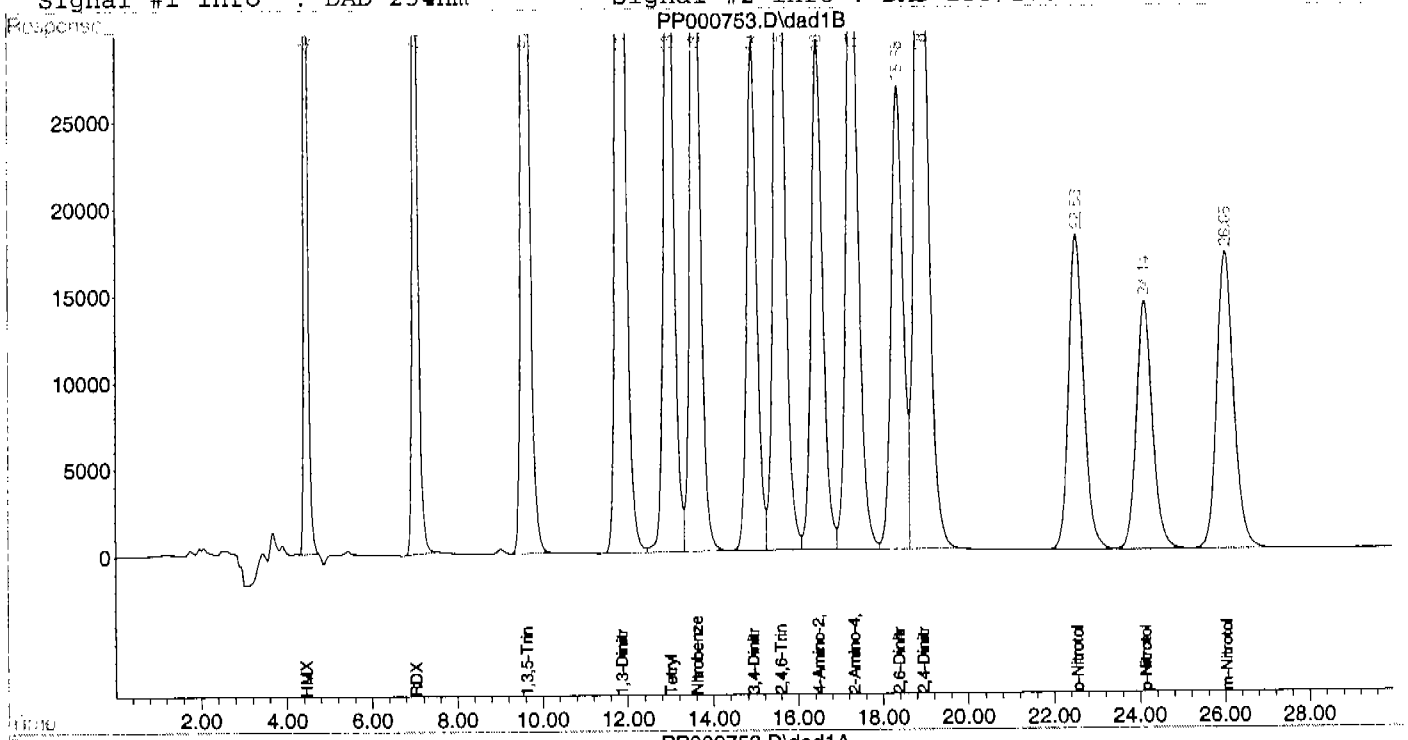
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

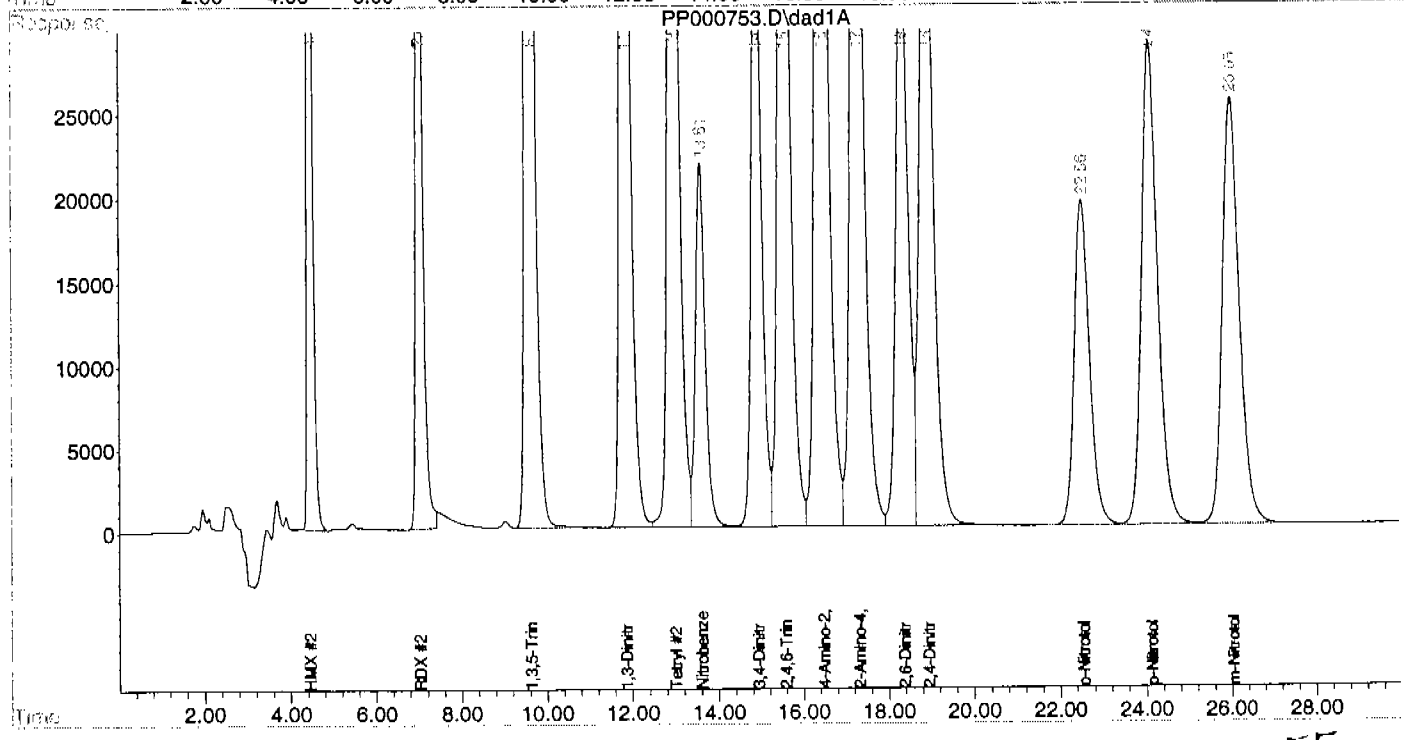
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000753.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000753.D\dad1A.ch
Acq On : 25-Aug-2004, 13:03:57 Operator: MIKEE
Sample : ECC28-1000 Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 25 16:42 2004 Quant Results File: 8330_EX2.RES

Quant Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration
DataAcq Meth : 8330_EX.M

Volume Inj. : 100ul
Signal #1 Phase : ODS Signal #2 Phase: ODS
Signal #1 Info : DAD 254nm Signal #2 Info : DAD 235/270nm





Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0824ODS\PP000753.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0824ODS\PP000753.D\dad1A.ch
Acq On : 25-Aug-2004, 13:03:57 Operator: MIKEE
Sample : ECC28-1000 Inst : G1315B
Misc : op11137,gpp28,1000,,,10,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : X:\HPLC4-PP\METHODS\8330_EX2.M (Chemstation Integrator)
Title : Explosives by 8330
Last Update : Wed Aug 25 11:07:42 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		HMX	1000.000	982.475	1.8	103	0.00	3.97- 4.97
2		RDX	1000.000	994.583	0.5	102	0.00	6.55- 7.55
3		1,3,5-Trinitrobenzene	1000.000	994.843	0.5	103	0.00	9.13-10.13
4		1,3-Dinitrobenzene	1000.000	990.048	1.0	102	0.00	11.38-12.38
5		Tetryl	1000.000	995.523	0.4	103	0.00	12.50-13.50
6		Nitrobenzene	1000.000	965.783	3.4	99	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene	1000.000	996.816	0.3	103	0.00	14.44-15.44
8		2,4,6-Trinitrotoluene	1000.000	1000.245	-0.0	103	0.00	15.10-16.10
9		4-Amino-2,6-Dinitrotol	1000.000	1002.608	-0.3	103	0.00	15.98-16.98
10		2-Amino-4,6-Dinitrotol	1000.000	1000.445	-0.0	103	0.00	16.82-17.82
11		2,6-Dinitrotoluene	1000.000	983.731	1.6	101	0.00	17.88-18.88
12		2,4-Dinitrotoluene	1000.000	994.490	0.6	102	0.00	18.45-19.45
13		o-Nitrotoluene	1000.000	955.302	4.5	99	0.00	22.05-23.05
14		p-Nitrotoluene	1000.000	957.628	4.2	99	0.00	23.63-24.63
15		m-Nitrotoluene	1000.000	956.349	4.4	98	0.01	25.54-26.54

***** Signal #2 *****

1		HMX	1000.000	993.291	0.7	103	0.00	3.97- 4.97
2		RDX	1000.000	994.067	0.6	102	0.00	6.54- 7.54
3		1,3,5-Trinitrobenzene	1000.000	999.534	0.0	103	0.00	9.13-10.13
4		1,3-Dinitrobenzene	1000.000	989.069	1.1	102	0.00	11.38-12.38
5		Tetryl	1000.000	989.165	1.1	103	0.00	12.50-13.50
6		Nitrobenzene	1000.000	967.604	3.2	99	0.00	13.11-14.11
7	S	3,4-Dinitrotoluene	1000.000	1006.352	-0.6	103	0.00	14.44-15.44
8		2,4,6-Trinitrotoluene	1000.000	999.156	0.1	103	0.00	15.10-16.10
9		4-Amino-2,6-Dinitrotol	1000.000	992.850	0.7	103	0.00	15.98-16.98
10		2-Amino-4,6-Dinitrotol	1000.000	996.538	0.3	103	0.00	16.82-17.82
11		2,6-Dinitrotoluene	1000.000	983.414	1.7	101	0.00	17.88-18.88
12		2,4-Dinitrotoluene	1000.000	1002.367	-0.2	103	0.00	18.45-19.45
13		o-Nitrotoluene	1000.000	953.741	4.6	99	0.00	22.05-23.05
14		p-Nitrotoluene	1000.000	963.153	3.7	99	0.00	23.63-24.63
15		m-Nitrotoluene	1000.000	949.421	5.1	98	0.01	25.54-26.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP000719.D 8330_EX2.M Wed Aug 25 13:41:30 2004

SEQUENCE LOGS AND BENCH SHEETS

SGC.10

Sel	Run	Location	Method	Datafile	SeqTable	Calib:RF:RT	Sample Name
No	1	Vial 1	8332_NIT	PP000681	01:01		CC27-10000
No	2	Vial 2	8332_NIT	PP000682	02:01		SOLVENT
No	3	Vial 3	8332_NIT	PP000683	03:01		IC27-200
No	4	Vial 4	8332_NIT	PP000684	04:01		IC27-1000
No	5	Vial 5	8332_NIT	PP000685	05:01		ICC27-2500
No	6	Vial 6	8332_NIT	PP000686	06:01		IC27-5000
No	7	Vial 7	8332_NIT	PP000687	07:01		IC27-7500
No	8	Vial 8	8332_NIT	PP000688	08:01		IC27-10000
No	9	Vial 9	8332_NIT	PP000689	09:01		ICV27-2500
No	10	Vial 10	8332_NIT	PP000690	10:01		OP11098-BS
No	11	Vial 11	8332_NIT	PP000691	11:01		OP11098-MB
No	12	Vial 12	8332_NIT	PP000692	12:01		F25991-1
No	13	Vial 13	8332_NIT	PP000693	13:01		F25991-2
No	14	Vial 14	8332_NIT	PP000694	14:01		F25991-3
No	15	Vial 15	8332_NIT	PP000695	15:01		F25991-4
No	16	Vial 16	8332_NIT	PP000696	16:01		F25991-5
No	17	Vial 17	8332_NIT	PP000697	17:01		OP11098-MS
No	18	Vial 18	8332_NIT	PP000698	18:01		OP111098-MSD
No	19	Vial 19	8332_NIT	PP000699	19:01		F25991-6
No	20	Vial 5	8332_NIT	PP000700	20:01		CC27-2500
No	21	Vial 20	8332_NIT	PP000701	21:01		OP11138-BS
No	22	Vial 21	8332_NIT	PP000702	22:01		OP11138-MB
No	23	Vial 22	8332_NIT	PP000703	23:01		F26071-1
No	24	Vial 23	8332_NIT	PP000704	24:01		F26071-2
No	25	Vial 24	8332_NIT	PP000705	25:01		F26071-3
No	26	Vial 25	8332_NIT	PP000706	26:01		F26071-4
No	27	Vial 26	8332_NIT	PP000707	27:01		F26071-5
No	28	Vial 27	8332_NIT	PP000708	28:01		F26071-6
No	29	Vial 28	8332_NIT	PP000709	29:01		OP11138-MS
No	30	Vial 29	8332_NIT	PP000710	30:01		OP11138-MSD
No	31	Vial 6	8332_NIT	PP000711	31:01		ECC27-5000

HPLC ANALYSIS LOG

DATE: 8/24/04
COLUMN TYPE: Envirosep-pp
INSTRUMENT: HPLC4

METHODS: 8332
METHOD FILE: 8332.NIT
CALIB. DATE: 8/24/04

ANALYST: [illegible]
RUN BATCH: GPP27
AMOUNT INJECTED: 50 ul

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOLUME	DILUTION FACTOR	RUN OK	COMMENTS
PP000681	1	CC27-10000	8332					1	✓	RT
82	2	Solvent							✓	✓
83	3	IC27-200		S2070				50	✓	✓
84	4	IC27-1000						10	✓	✓
85	5	ICC27-2500						4	✓	✓
86	6	IC27-5000						2	✓	✓
87	7	IC27-7500						3:4	✓	✓
88	8	IC27-10000						1	✓	✓ pass
89	9	ICU27-2500		S2054				1	✓	✓ pass
90	10	Op11098-BS		W	Op11098	1000	10	1	✓	✓
91	11	⊥ -MB				1000			✓	ND
92	12	F25991-1				940			✓	ND
93	13	-2				940			✓	ND
94	14	-3				930			✓	ND
95	15	-4				910			✓	ND
96	16	-5				920			✓	ND
97	17	Op11098-MS				450			✓	✓
98	18	⊥ -MSD				450			✓	✓
99	19	F25991-6				920			✓	ND
100	5	CC27-2500		S2070				4	✓	pass
01	20	Op11138-BS		W	Op11138	1000	10	1	✓	✓
02	21	⊥ -MB				1000			✓	ND
03	22	F26071-1				900			✓	ND
04	23	-2				960			✓	ND
05	24	-3				800			✓	ND

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [illegible]

LC1_LOG.xls NF rev. 9/01

0159

HPLC ANALYSIS LOG

DATE: 8/24/04
COLUMN TYPE: Chromosorb
INSTRUMENT: HPLC4

METHODS: 8332
METHOD FILE: 8332.MIT
CALIB. DATE: 8/24/04

ANALYST: M. Egu
RUN BATCH: GPP27
AMOUNT INJECTED: 50 ul

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOLUME	DILUTION FACTOR	RUN OK	COMMENTS
pp000706	25	F26071-4	8332	W	OP11138	930	10	1	✓	ND
07	26	-5				920			✓	ND
08	27	-6				920			✓	ND
09	28	OP11138-MS				400			✓	✓
10	29	-MSD				400			✓	✓
11	6	ECC27-5000		S2070				2	✓	pass

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: M. Egu

LC1_LOG.xls NF rev. 9/01

0160

Sel	Run	Location	Method	Datafile	SeqTable	Calib:RF:RT	Sample Name
No	1	Vial 1	8330_EX	PP000712	01:01		CC28-2000
No	2	Vial 2	8330_EX	PP000713	02:01		SOLVENT
No	3	Vial 3	8330_EX	PP000714	03:01		IC28-20
No	4	Vial 4	8330_EX	PP000715	04:01		IC28-100
No	5	Vial 5	8330_EX	PP000716	05:01		IC28-250
No	6	Vial 6	8330_EX	PP000717	06:01		ICC28-500
No	7	Vial 7	8330_EX	PP000718	07:01		IC28-750
No	8	Vial 8	8330_EX	PP000719	08:01		IC28-1000
No	9	Vial 9	8330_EX	PP000720	09:01		IC28-2000
No	10	Vial 10	8330_EX	PP000721	10:01		ICV28-500
No	11	Vial 11	8330_EX	PP000722	11:01		OP11129-BS
No	12	Vial 12	8330_EX	PP000723	12:01		OP11129-MB
No	13	Vial 13	8330_EX	PP000724	13:01		F26115-1
No	14	Vial 14	8330_EX	PP000725	14:01		F26115-2
No	15	Vial 15	8330_EX	PP000726	15:01		F26115-3*
No	16	Vial 16	8330_EX	PP000727	16:01		F26115-4
No	17	Vial 17	8330_EX	PP000728	17:01		F26115-5
No	18	Vial 18	8330_EX	PP000729	18:01		F26115-6
No	19	Vial 19	8330_EX	PP000730	19:01		F26115-7
No	20	Vial 6	8330_EX	PP000731	20:01		CC28-500
No	21	Vial 20	8330_EX	PP000732	21:01		F26115-8
No	22	Vial 21	8330_EX	PP000733	22:01		OP11129-MS
No	23	Vial 22	8330_EX	PP000734	23:01		OP11129-MSD
No	24	Vial 23	8330_EX	PP000735	24:01		F26115-9
No	25	Vial 24	8330_EX	PP000736	25:01		F26156-1
No	26	Vial 6	8330_EX	PP000737	26:01		CC28-500
No	27	Vial 25	8330_EX	PP000738	27:01		OP11137-BS
No	28	Vial 26	8330_EX	PP000739	28:01		OP11137-MB
No	29	Vial 27	8330_EX	PP000740	29:01		F26071-1
No	30	Vial 28	8330_EX	PP000741	30:01		F26071-2
No	31	Vial 29	8330_EX	PP000742	31:01		F26071-3
No	32	Vial 30	8330_EX	PP000743	32:01		OP11137-MS
No	33	Vial 31	8330_EX	PP000744	33:01		OP11137-MSD
No	34	Vial 6	8330_EX	PP000745	34:01		CC28-500
No	35	Vial 32	8330_EX	PP000746	35:01		F26071-4
No	36	Vial 33	8330_EX	PP000747	36:01		F26071-5
No	37	Vial 34	8330_EX	PP000748	37:01		F26071-6
No	38	Vial 35	8330_EX	PP000749	38:01		F26103-1
No	39	Vial 36	8330_EX	PP000750	39:01		F26115-1,2
No	40	Vial 37	8330_EX	PP000751	40:01		F26115-3,250
No	41	Vial 38	8330_EX	PP000752	41:01		OP11097-MSD*
No	42	Vial 8	8330_EX	PP000753	42:01		ECC28-1000

HPLC ANALYSIS LOG

DATE: 8/24/04	METHODS: 8330	ANALYST: M. Egan
COLUMN TYPE: ODS	METHOD FILE: 8330-EP	RUN BATCH: GPP28
INSTRUMENT: HPLC4	CALIB. DATE: 8/24/04	AMOUNT INJECTED: 100 ul

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOLUME	DILUTION FACTOR	RUN OK	COMMENTS
PP00712	1	CC28-2000	8330	S2092				1		R.T
13	2	Solvent								
14	3	IC28-20		S2092				1000		
15	4	IC28-100						20		
16	5	IC28-250						8		
17	6	IC28-500						4		
18	7	IC28-750						150:400		
19	8	IC28-1000						2		
20	9	IC28-2000						1		pass
21	10	ICV28-500		S2095				1		pass
22	11	op11129-BS		S	op11129	2.00	20	1		
23	12	-MB				2.00				ND
24	13	F26115-1				2.07				RE20
25	14	-2				2.16				
26	15	-3				2.06			X	RE250X
27	16	-4				2.18				
28	17	-5				2.00				
29	18	-6				2.07				
30	19	-7				2.03				
31	6	CC28-500		S2092				4		pass
32	20	F26115-8		S	op11129	2.01	20	1		
33	21	op11129-MS				2.05				
34	22	-MSD				2.03				
35	23	F26115-9				2.08				
36	24	F26156-1				2.02				ND

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: M. Egan

LC1_LOG.xls NF rev. 9/01

0162

HPLC ANALYSIS LOG

DATE: 8/24/04
COLUMN TYPE: ODS
INSTRUMENT: HPLC 4

METHODS: 8330
METHOD FILE: 8330.EX
CALIB. DATE: 8/24/04

ANALYST: [illegible]
RUN BATCH: GPP 28
AMOUNT INJECTED: 100 ul

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOLUME	DILUTION FACTOR	RUN OK	COMMENTS
PP000737	6	CC28-800	8330	S2092	—			4	✓	pass
38	25	op11137-BS		W	op11137	1000	10	1	✓	—
39	26	⊥ -MB				1000			✓	ND
40	27	F26071-1				900			✓	ND
41	28	⊥ -2				960			✓	ND
42	29	⊥ -3				800			✓	ND
43	30	op11137-MS				420			✓	—
44	31	⊥ -MSD		⊥	⊥	420	⊥	⊥	✓	—
45	6	CC28-500		S2092	—			4	✓	pass
46	32	~~F260~~ F26071-4		W	op11137	930	10	1	✓	ND
47	33	MS 8/25/04 -5				920			✓	ND
48	34	-6				920			✓	ND
49	35	F26103-1		⊥	⊥	1050	⊥	⊥	✓	Confirm Hmpo
50	36	F26115-1		S	op11129	2.07	20	2	✓	—
51	37	+ -3		⊥	⊥	2.06	⊥	250	✓	—
52	38	op11097-MSD		W	op11097	440	10	1	✓	Confirms
53	8	CC28-1000	⊥	S2092	—			2	✓	pass

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [illegible]

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SAMPLE PREP REPORT

SGC.11

LIQUID SAMPLE PREP REPORT

Date: 08/20/04

Analytical Method: 8332 Exp

Prep Method: 3510C 3535A 3580A or Method

Batch#: OP 11138

Analyst: FS

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP 11138 MB	X	1000	6	Na	250µl		10.0ml	
OP 11138 BS	X	1000				250µl		
F26071-1	3	900						
-2	1	960						
-3	2	900						
-4	2	930						
-5	3	920						
-6	1	920						
FS 8/20/04 ~~F26103-1~~	1	1050						MS/MSD
F26071-6 MS	2	400	6	NA	250µl	250µl	10.0ml	
MSD		400						
DUP								

08/20/04 FS

Comments:

Surrogate ID: E1532 Conc: 10 ppm Exp. Date: 11/05/04

Spike ID: E1542 Conc: 100 ppm Exp. Date: 12/09/04

Bath Temp.: ✓

Bath Temp2.: ✓

CH2CL2 Lot # NA

Hexane Lot # NA

Acetonitrile Lot # A19815

Methanol Lot # NA

Na2SO4 Lot# NA

Reagent # CK992 for HPLC

Reagent # ✓

Acetone Lot# NA

Reagent # ✓

Relinquished By: Forward

Accepted By:

Date: 08/20/04

Date: 8/20/04

EXTWATER.XLS NF rev. 05/03

LIQUID SAMPLE PREP REPORT

Date: 08/20/04 Analytical Method: 8330 Exp Batch#: OP 11137

Prep Method: 3510C 3535A 3580A or Method Analyst: FS

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP 11137 MB	X	1000	6	NA	250µl		10.0ml	
OP 11137 BS	X	1000	↓	↓	↓	250µl	↓	
F26071-1	3	900	↓	↓	↓	↓	↓	
-2	1	960	↓	↓	↓	↓	↓	
-3	2	800	↓	↓	↓	↓	↓	MS/MSD
-4	2	930	↓	↓	↓	↓	↓	
-5	3	920	↓	↓	↓	↓	↓	
-6	1	920	↓	↓	↓	↓	↓	
F26103-1	1	1050	↓	↓	↓	↓	↓	
F26071-3 MS	1	420	6	NA	250µl	250µl	10.0ml	
↓ MSD	1	420	↓	↓	↓	↓	↓	
DUP								

08/20/04 FS

Comments:

FS Surrogate ID: E1532 Conc: 10 ppm Exp. Date: 11/05/04 Bath Temp.: ✓

FS Spike ID: E1521 Conc: 10 ppm Exp. Date: 11/11/04 Bath Temp2.: ✓

CH2CL2 Lot # NA Hexane Lot # NA Na2SO4 Lot# NA

Acetonitrile Lot # A19815 Methanol Lot # NA Acetone Lot# NA

Reagent # 2K992 Reagent # Reagent #

Relinquished By: [signature] Date: 08/20/04

Accepted By: [signature] Date: 8/20/04

0466