New England ACCUTEST Laboratories

09/01/04

Technical Report for

ENSR

Former Camp Butner, NC

09090-068

Accutest Job Number: M41346

Sampling Date: 08/11/04

Report to:

ENSR
2 Technology Park Drive
Westford, MA 01886

ATTN: Debra L. McGrath

Total number of pages in report: 460

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.

Reza Pand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

ACCUTEST Laboratories

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	ENSR	**Job No:**	M41346
Site:	Former Camp Butner, NC	**Report Date**	9/1/04 3:53:35 PM

14 Sample were collected on 08/11/2004 and were received at Accutest on 08/12/2004 properly preserved, at 4.9 Deg. C and intact. These Samples received an Accutest job number of M41346. 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 8330

Matrix: AQ **Batch ID:** OP7581

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) M41346-9MS, M41346-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP7581-BS: 4-amino-2,6-Dinitrotoluene and 2,4,6-Trinitrotoluene coelute. Value represents total recovery.
- OP7581-BS: PETN and 2-nitrotoluene coelute. Value represents combined total.
- OP7581-MS, OP7581-MSD: 2,4,6-Trinitrotoluene and 4-amino-2,6-dinitrotoluene coelute. Value represents total recovery.
- OP7581-MS, OP7581-MSD: PETN and 2-nitrotoluene coelute. Value represents combined total.

Extractables by GC By Method SW846 8332

Matrix: AQ **Batch ID:** OP7582

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) M41346-9MS, M41346-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

This job initially was subcontracted with job number N74914 and changed to independent job number M41346.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M41346).

Accutest Laboratories of New England, Inc.

Table of Contents
Full Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

	Page Reference
TITLE/COVER PAGE	1
SDG NARRATIVE	2
TABLE OF CONTENTS	3-5
SECTION 1 GENERAL	
A. Results Summary	6-36
B. Chain of Custody and Sample Log In Documents	37-56
C. Telephone Conversation Logs/Faxes/Notes	✓
SECTION 2 GC/MS SUPPORT DATA (grouped by test)	
A. Non-Conformance Summary	N/A
B. Quality Control Summary	
i. Surrogate Recovery Summary - (VOA/SV)	
ii. Matrix Spike/Matrix Spike Duplicate Summary - (VOA/SV)	
iii. Blank Spike Summary - (VOA/SV)	
iv. Method Blank Results Summary - (VOA/SV)	
v. Tune Summary - (VOA/SV)	
vi. Internal Standard Area and Retention Time Summary - (VOA/SV)	
C. Sample Data (packages sorted by increasing sample #)	
i. Tentatively Identified Compounds Result - (VOA/SV)	
ii. Sample Reconstructed Total Ion Chromatogram (RIC) and Quant Report - (VOA/SV)	
iii. Mass Spectra of Target Compounds - (VOA/SV)	
iv. Library Search for non-Target Compounds - (VOA/SV)	
D. Standards Data	
i. Initial Calibration (VOA/SV)	
- Initial Calibration Summary	
- Reconstructed Total Ion Chromatogram (RIC) and Quant Reports	
ii. Continuing Calibration (VOA/SV)	
- Continuing Calibration Summary	
- Reconstructed Total Ion Chromatogram (RIC) and Quant Reports	
E. Raw Quality Control Data	
i. BFB & DFTPP Bar Graph Spectra, and Mass Listing	
ii. Blank Data	
- Reconstructed Total Ion Chromatogram (RIC) and Quant Reports	
- Mass Spectra of Target Compounds	
- Library Search for non-Target Compounds	
iii. Matrix Spike/Matrix Spike Duplicate Data	
- Reconstructed Total Ion Chromatogram (RIC) and Quant Report	
iv. Blank Spike Data	
- Reconstructed Total Ion Chromatogram (RIC) and Quant Report	
F. Miscellaneous	
i. Instrument Run Log	
ii. Extraction Log	

Table of Contents (Continued)
Full Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

			Page Reference
SECTION 3 GC SUPPORT DATA (grouped by test)		8330	8332
A.	**Non-Conformance Summary**	57-58	376
B.	**Quality Control Summary**	59-67	377-382
i.	Surrogate Recovery Summary		
ii.	Matrix Spike/Matrix Spike Duplicate Summary		
iii.	Blank Spike Summary		
iv.	Method Blank Results Summary		
C.	**Sample Data** (packages sorted by increasing sample #)	68-152	383-411
i.	Sample Chromatogram and Quant Report		
D.	**Standards Data**	153-347	412-444
i.	Initial Calibration		
	- Initial Calibration Summary		
	- Chromatogram and Quant Reports		
ii.	Continuing Calibration		
	- Continuing Calibration Summary		
	- Chromatogram and Quant Reports		
E.	**Raw Quality Control Data**	348-369	445-456
i.	Blank Data		
	- Chromatogram and Quant Reports		
ii	Blank Spike Data		
	- Chromatogram and Quant Report		
iii.	Matrix Spike/Matrix Spike Duplicate Data		
	- Chromatogram and Quant Report		
F.	**Miscellaneous**	370-375	457-460
i.	Instrument Run Log		
ii.	Extraction Log		
SECTION 4 INORGANICS SUPPORT DATA			
A.	**Non-Conformance Summary**		N/A
B.	**Quality Control Summary** (grouped by test)		
i.	Initial and Continuing Calibration Checks		
ii.	Initial and Continuing Calibration Blanks		
iii.	Low Calibration Check Standards Summary		
iv.	ICP Interference Checks		
v.	Method Blank Results Summary		
vi.	Matrix Spike and Duplicate Results Summary		
vii.	Lab Control and Spike Blank Results Summary		
viii.	ICP Serial Dilutions		
ix.	Additional Quality Control Information		
C.	**Raw Data** (grouped by test)		
i.	ICP run logs, digestion logs, and instrument printouts		
ii.	Graphite furnace AAS run logs and instrument printouts		
iii.	Flame AAS run logs and instrument printouts		
iv.	Cold Vapor Mercury run logs and instrument printouts		

Table of Contents (Continued)
Full Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

Page Reference

SECTION 5 GENERAL CHEMISTRY SUPPORT DATA

A. Non-Conformance Summary ..... N/A

B. Quality Control Summary .....

i. Method Blank and Spike Blank Results Summary
ii. Matrix Spike Results Summary
iii. Duplicate Results Summary

C. Raw Data (grouped by test) .....

i. Raw Data, preparation logs, analysis logs, and instrument printouts

Section 1 General

1. Sample Results
2. Chain of Custody
3. Sample Log-In Documents
4. Telephone Conversation Records/Fax/Notes

Sample Summary

ENSR

Job No: M41346

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M41346-1	08/11/04	11:25 JB	08/12/04	AQ	Ground Water	RW0804-4553-UZZLERD
M41346-2	08/11/04	15:25 JB	08/12/04	AQ	Ground Water	RW0804-HESTERFARM
M41346-3	08/11/04	10:40 JB	08/12/04	AQ	Ground Water	RW0804-4535-UZZLERD
M41346-4	08/11/04	09:25 JB	08/12/04	AQ	Ground Water	RW0804-4578-UZZLERD
M41346-5	08/11/04	16:30 JB	08/12/04	AQ	Ground Water	RW0804-627B-ENONRD
M41346-6	08/11/04	12:45 JB	08/12/04	AQ	Ground Water	RW0804-4573-UZZLERD
M41346-7	08/11/04	09:25 JB	08/12/04	AQ	Ground Water	RW0804-FIELD DUP2
M41346-9	08/11/04	11:55 JB	08/12/04	AQ	Ground Water	RW0804-6305-ISHAMCHAMBERS
M41346-9D	08/11/04	11:55 JB	08/12/04	AQ	Water Dup/MSD	RW0804-6305-ISHAMCHAMBERS MSD
M41346-9S	08/11/04	11:55 JB	08/12/04	AQ	Water Matrix Spike	RW0804-6305-ISHAMCHAMBERS MS
M41346-10	08/11/04	08:15 JB	08/12/04	AQ	Ground Water	RW0804-4710-MORIAHRD
M41346-11	08/11/04	09:25 JB	08/12/04	AQ	Ground Water	RW0804-4709-MORIAHRD
M41346-12	08/11/04	10:10 JB	08/12/04	AQ	Ground Water	RW0804-5057-CLAYTONRD

Sample Summary
(continued)

ENSR

Job No: M41346

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M41346-13	08/11/04	13:00 JB	08/12/04	AQ	Ground Water	RW0804-2202-TILLEYFARMRD
M41346-14	08/11/04	10:50 JB	08/12/04	AQ	Ground Water	RW0804-564-BETHANYCHURCH
M41346-15	08/11/04	13:00 JB	08/12/04	AQ	Ground Water	RW0804-FIELDDUP3

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	M41346-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8063.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9789.D	1	08/21/04	CZ	08/18/04	OP7581	GVU326

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

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.21	ug/l	
121-82-4	RDX	ND	0.55	0.24	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.30	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.24	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.49	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.22	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.47	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.19	ug/l	
99-99-0	p-Nitrotoluene	ND	1.1	0.34	ug/l	
479-45-8	Tetryl	ND	1.1	0.29	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.32	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	83%	84%	43-128%

(a) Result is from Run# 2

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:	RW0804-4553-UZZLERD		
Lab Sample ID:	M41346-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8063.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

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

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	83%		43-128%

ND = Not detected
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-HESTERFARM		
Lab Sample ID:	M41346-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8064.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9790.D	1	08/21/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	850 ml	10.0 ml
Run #2	850 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.2	0.22	ug/l	
121-82-4	RDX	ND	0.60	0.26	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.2	0.12	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.2	0.13	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.2	0.32	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.2	0.26	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.2	0.52	ug/l	
98-95-3	Nitrobenzene	ND	1.2	0.24	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.2	0.49	ug/l	
99-08-1	m-Nitrotoluene	ND	1.2	0.20	ug/l	
99-99-0	p-Nitrotoluene	ND [a]	1.2	0.36	ug/l	
479-45-8	Tetryl	ND	1.2	0.31	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.2	0.34	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.2	0.26	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	89%	91%	43-128%

(a) Result is from Run# 2

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-HESTERFARM		
Lab Sample ID:	M41346-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8064.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	850 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	88%		43-128%

ND = Not detected
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:	RW0804-4535-UZZLERD		
Lab Sample ID:	M41346-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8065.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9791.D	1	08/21/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	850 ml	10.0 ml
Run #2	850 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.2	0.22	ug/l	
121-82-4	RDX	ND	0.60	0.26	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.2	0.12	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.2	0.13	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.2	0.32	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.2	0.26	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.2	0.52	ug/l	
98-95-3	Nitrobenzene	ND	1.2	0.24	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.2	0.49	ug/l	
99-08-1	m-Nitrotoluene	ND	1.2	0.20	ug/l	
99-99-0	p-Nitrotoluene	ND	1.2	0.36	ug/l	
479-45-8	Tetryl	ND	1.2	0.31	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.2	0.34	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.2	0.26	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	94%	95%	43-128%

(a) Result is from Run# 2

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:	RW0804-4535-UZZLERD	**Date Sampled:**	08/11/04
Lab Sample ID:	M41346-3	**Date Received:**	08/12/04
Matrix:	AQ - Ground Water	**Percent Solids:**	n/a
Method:	SW846 8332 SW846 3535		
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8065.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	850 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	92%		43-128%

ND = Not detected
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

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	M41346-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8066.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9792.D	1	08/21/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2	980 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.0	0.19	ug/l	
121-82-4	RDX	ND	0.50	0.22	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.0	0.10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.0	0.11	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.28	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.0	0.22	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.0	0.45	ug/l	
98-95-3	Nitrobenzene	ND	1.0	0.20	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.0	0.43	ug/l	
99-08-1	m-Nitrotoluene	ND	1.0	0.17	ug/l	
99-99-0	p-Nitrotoluene	ND	1.0	0.32	ug/l	
479-45-8	Tetryl	ND	1.0	0.27	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.0	0.30	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	88%	89%	43-128%

(a) Result is from Run# 2

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:	RW0804-4578-UZZLERD		
Lab Sample ID:	M41346-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8066.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	86%		43-128%

ND = Not detected
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:	RW0804-627B-ENONRD		
Lab Sample ID:	M41346-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8067.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9793.D	1	08/21/04	CZ	08/18/04	OP7581	GVU326

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

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.20	ug/l	
121-82-4	RDX	ND	0.55	0.24	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.29	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.24	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.47	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.22	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.45	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.18	ug/l	
99-99-0	p-Nitrotoluene	ND	1.1	0.33	ug/l	
479-45-8	Tetryl	ND	1.1	0.28	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.31	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	90%	91%	43-128%

(a) Result is from Run# 2

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:	RW0804-627B-ENONRD	**Date Sampled:**	08/11/04
Lab Sample ID:	M41346-5	**Date Received:**	08/12/04
Matrix:	AQ - Ground Water	**Percent Solids:**	n/a
Method:	SW846 8332 SW846 3535		
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8067.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

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

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	89%		43-128%

ND = Not detected
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:	RW0804-4573-UZZLERD		
Lab Sample ID:	M41346-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8068.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9794.D	1	08/21/04	CZ	08/18/04	OP7581	GVU326

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

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.21	ug/l	
121-82-4	RDX	ND	0.55	0.24	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.29	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.24	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.48	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.22	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.46	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.18	ug/l	
99-99-0	p-Nitrotoluene	ND [a]	1.1	0.34	ug/l	
479-45-8	Tetryl	ND	1.1	0.28	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.32	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	93%	94%	43-128%

(a) Result is from Run# 2

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:	RW0804-4573-UZZLERD	**Date Sampled:**	08/11/04
Lab Sample ID:	M41346-6	**Date Received:**	08/12/04
Matrix:	AQ - Ground Water	**Percent Solids:**	n/a
Method:	SW846 8332 SW846 3535		
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8068.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

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

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	91%		43-128%

ND = Not detected
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-FIELD DUP2		
Lab Sample ID:	M41346-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8069.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9797.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

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

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.21	ug/l	
121-82-4	RDX	ND	0.55	0.24	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.30	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.24	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.49	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.22	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.47	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.19	ug/l	
99-99-0	p-Nitrotoluene	ND [a]	1.1	0.34	ug/l	
479-45-8	Tetryl	ND	1.1	0.29	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.32	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	87%	88%	43-128%

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	RW0804-FIELD DUP2		
Lab Sample ID:	M41346-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8069.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

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

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	84%		43-128%

ND = Not detected
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:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	M41346-9	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8070.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9798.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	870 ml	10.0 ml
Run #2	870 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.22	ug/l	
121-82-4	RDX	ND	0.55	0.25	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.13	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.31	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.25	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.51	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.23	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.48	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.20	ug/l	
99-99-0	p-Nitrotoluene	ND [a]	1.1	0.36	ug/l	
479-45-8	Tetryl	ND	1.1	0.30	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.33	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	81%	81%	43-128%

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	M41346-9	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8070.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	870 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	80%		43-128%

ND = Not detected
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:	RW0804-4710-MORIAHRD		
Lab Sample ID:	M41346-10	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8071.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9799.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

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

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.21	ug/l	
121-82-4	RDX	ND	0.55	0.24	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.30	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.24	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.49	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.22	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.47	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.19	ug/l	
99-99-0	p-Nitrotoluene	ND	1.1	0.34	ug/l	
479-45-8	Tetryl	ND	1.1	0.29	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.32	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	86%	87%	43-128%

(a) Result is from Run# 2

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:	RW0804-4710-MORIAHRD		
Lab Sample ID:	M41346-10	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8071.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

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

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	85%		43-128%

ND = Not detected
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:	RW0804-4709-MORIAHRD		
Lab Sample ID:	M41346-11	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8076.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9800.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	850 ml	10.0 ml
Run #2	850 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.2	0.22	ug/l	
121-82-4	RDX	ND	0.60	0.26	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.2	0.12	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.2	0.13	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.2	0.32	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.2	0.26	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.2	0.52	ug/l	
98-95-3	Nitrobenzene	ND	1.2	0.24	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.2	0.49	ug/l	
99-08-1	m-Nitrotoluene	ND	1.2	0.20	ug/l	
99-99-0	p-Nitrotoluene	ND [a]	1.2	0.36	ug/l	
479-45-8	Tetryl	ND	1.2	0.31	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.2	0.34	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.2	0.26	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	90%	91%	43-128%

(a) Result is from Run# 2

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:	RW0804-4709-MORIAHRD		
Lab Sample ID:	M41346-11	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8076.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	850 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	88%		43-128%

ND = Not detected
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:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	M41346-12	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8077.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9801.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	940 ml	10.0 ml
Run #2	940 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.20	ug/l	
121-82-4	RDX	ND	0.55	0.23	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.29	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.23	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.47	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.21	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.45	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.18	ug/l	
99-99-0	p-Nitrotoluene	ND [a]	1.1	0.33	ug/l	
479-45-8	Tetryl	ND	1.1	0.28	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.31	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	85%	85%	43-128%

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	M41346-12	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8077.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	84%		43-128%

ND = Not detected
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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	M41346-13	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8078.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9802.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	880 ml	10.0 ml
Run #2	880 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.22	ug/l	
121-82-4	RDX	ND	0.55	0.25	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.31	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.25	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.50	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.23	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.48	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.19	ug/l	
99-99-0	p-Nitrotoluene	ND	1.1	0.35	ug/l	
479-45-8	Tetryl	ND	1.1	0.30	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.33	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	86%	86%	43-128%

(a) Result is from Run# 2

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:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	M41346-13	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8078.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	84%		43-128%

ND = Not detected
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:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	M41346-14	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8079.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9803.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2	890 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.21	ug/l	
121-82-4	RDX	ND	0.55	0.25	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.30	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.25	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.49	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.22	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.47	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.19	ug/l	
99-99-0	p-Nitrotoluene	ND	1.1	0.35	ug/l	
479-45-8	Tetryl	ND	1.1	0.29	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.33	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	84%	84%	43-128%

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	M41346-14	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8079.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	82%		43-128%

ND = Not detected
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-FIELDDUP3		
Lab Sample ID:	M41346-15	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8330 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8080.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
Run #2	VU9804.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2	890 ml	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.1	0.21	ug/l	
121-82-4	RDX	ND	0.55	0.25	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.1	0.11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND [a]	1.1	0.12	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.30	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.1	0.25	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.1	0.49	ug/l	
98-95-3	Nitrobenzene	ND	1.1	0.22	ug/l	
88-72-2	o-Nitrotoluene	ND [a]	1.1	0.47	ug/l	
99-08-1	m-Nitrotoluene	ND	1.1	0.19	ug/l	
99-99-0	p-Nitrotoluene	ND [a]	1.1	0.35	ug/l	
479-45-8	Tetryl	ND	1.1	0.29	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND [a]	1.1	0.33	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.1	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	78%	79%	43-128%

(a) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	M41346-15	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8332 SW846 3535	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST8080.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
528-29-0	o-Dinitrobenzene	76%		43-128%

ND = Not detected
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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Sample Tracking Chronicle
- Internal Chain of Custody

Internal Sample Tracking Chronicle

ENSR

Job No: M41346

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M41346-1 Collected: 11-AUG-04 11:25 By: JB Received: 12-AUG-04 By: RS RW0804-4553-UZZLERD						
M41346-1	SW846 8330	21-AUG-04 02:39	CZ	18-AUG-04	RJ	LC8330EXP
M41346-1	SW846 8332	21-AUG-04 02:39	CZ	18-AUG-04	LL	LC8332NG
M41346-1	SW846 8330	21-AUG-04 20:05	CZ	18-AUG-04	RJ	LC8330EXP
M41346-2 Collected: 11-AUG-04 15:25 By: JB Received: 12-AUG-04 By: RS RW0804-HESTERFARM						
M41346-2	SW846 8330	21-AUG-04 03:10	CZ	18-AUG-04	RJ	LC8330EXP
M41346-2	SW846 8332	21-AUG-04 03:10	CZ	18-AUG-04	LL	LC8332NG
M41346-2	SW846 8330	21-AUG-04 20:37	CZ	18-AUG-04	RJ	LC8330EXP
M41346-3 Collected: 11-AUG-04 10:40 By: JB Received: 12-AUG-04 By: RS RW0804-4535-UZZLERD						
M41346-3	SW846 8330	21-AUG-04 03:40	CZ	18-AUG-04	RJ	LC8330EXP
M41346-3	SW846 8332	21-AUG-04 03:40	CZ	18-AUG-04	LL	LC8332NG
M41346-3	SW846 8330	21-AUG-04 21:09	CZ	18-AUG-04	RJ	LC8330EXP
M41346-4 Collected: 11-AUG-04 09:25 By: JB Received: 12-AUG-04 By: RS RW0804-4578-UZZLERD						
M41346-4	SW846 8330	21-AUG-04 04:11	CZ	18-AUG-04	RJ	LC8330EXP
M41346-4	SW846 8332	21-AUG-04 04:11	CZ	18-AUG-04	LL	LC8332NG
M41346-4	SW846 8330	21-AUG-04 21:41	CZ	18-AUG-04	RJ	LC8330EXP
M41346-5 Collected: 11-AUG-04 16:30 By: JB Received: 12-AUG-04 By: RS RW0804-627B-ENONRD						
M41346-5	SW846 8330	21-AUG-04 04:42	CZ	18-AUG-04	RJ	LC8330EXP
M41346-5	SW846 8332	21-AUG-04 04:42	CZ	18-AUG-04	LL	LC8332NG
M41346-5	SW846 8330	21-AUG-04 22:13	CZ	18-AUG-04	RJ	LC8330EXP
M41346-6 Collected: 11-AUG-04 12:45 By: JB Received: 12-AUG-04 By: RS RW0804-4573-UZZLERD						
M41346-6	SW846 8330	21-AUG-04 05:12	CZ	18-AUG-04	RJ	LC8330EXP
M41346-6	SW846 8332	21-AUG-04 05:12	CZ	18-AUG-04	LL	LC8332NG

Internal Sample Tracking Chronicle

ENSR

'b No: M41346

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M41346-6	SW846 8330	21-AUG-04 22:45	CZ	18-AUG-04	RJ	LC8330EXP
M41346-7 Collected: 11-AUG-04 09:25 By: JB Received: 12-AUG-04 By: RS RW0804-FIELD DUP2						
M41346-7	SW846 8330	21-AUG-04 05:43	CZ	18-AUG-04	RJ	LC8330EXP
M41346-7	SW846 8332	21-AUG-04 05:43	CZ	18-AUG-04	LL	LC8332NG
M41346-7	SW846 8330	22-AUG-04 00:21	CZ	18-AUG-04	RJ	LC8330EXP
M41346-9 Collected: 11-AUG-04 11:55 By: JB Received: 12-AUG-04 By: RS RW0804-6305-ISHAMCHAMBERS						
M41346-9	SW846 8330	21-AUG-04 06:14	CZ	18-AUG-04	RJ	LC8330EXP
M41346-9	SW846 8332	21-AUG-04 06:14	CZ	18-AUG-04	LL	LC8332NG
M41346-9	SW846 8330	22-AUG-04 00:53	CZ	18-AUG-04	RJ	LC8330EXP
M41346-10 Collected: 11-AUG-04 08:15 By: JB Received: 12-AUG-04 By: RS RW0804-4710-MORIAHRD						
M41346-10	SW846 8330	21-AUG-04 06:44	CZ	18-AUG-04	RJ	LC8330EXP
M41346-10	SW846 8332	21-AUG-04 06:44	CZ	18-AUG-04	LL	LC8332NG
M41346-10	SW846 8330	22-AUG-04 01:25	CZ	18-AUG-04	RJ	LC8330EXP
M41346-11 Collected: 11-AUG-04 09:25 By: JB Received: 12-AUG-04 By: RS RW0804-4709-MORIAHRD						
M41346-11	SW846 8330	21-AUG-04 10:57	CZ	18-AUG-04	RJ	LC8330EXP
M41346-11	SW846 8332	21-AUG-04 10:57	CZ	18-AUG-04	LL	LC8332NG
M41346-11	SW846 8330	22-AUG-04 01:57	CZ	18-AUG-04	RJ	LC8330EXP
M41346-12 Collected: 11-AUG-04 10:10 By: JB Received: 12-AUG-04 By: RS RW0804-5057-CLAYTONRD						
M41346-12	SW846 8330	21-AUG-04 11:28	CZ	18-AUG-04	RJ	LC8330EXP
M41346-12	SW846 8332	21-AUG-04 11:28	CZ	18-AUG-04	LL	LC8332NG
M41346-12	SW846 8330	22-AUG-04 02:29	CZ	18-AUG-04	RJ	LC8330EXP
M41346-13 Collected: 11-AUG-04 13:00 By: JB Received: 12-AUG-04 By: RS RW0804-2202-TILLEYFARMRD						

Internal Sample Tracking Chronicle

ENSR

Job No: M41346

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M41346-13	SW846 8330	21-AUG-04 11:59	CZ	18-AUG-04	RJ	LC8330EXP
M41346-13	SW846 8332	21-AUG-04 11:59	CZ	18-AUG-04	LL	LC8332NG
M41346-13	SW846 8330	22-AUG-04 03:00	CZ	18-AUG-04	RJ	LC8330EXP
M41346-14 Collected: 11-AUG-04 10:50 By: JB Received: 12-AUG-04 By: RS RW0804-564-BETHANYCHURCH						
M41346-14	SW846 8330	21-AUG-04 12:29	CZ	18-AUG-04	RJ	LC8330EXP
M41346-14	SW846 8332	21-AUG-04 12:29	CZ	18-AUG-04	LL	LC8332NG
M41346-14	SW846 8330	22-AUG-04 03:32	CZ	18-AUG-04	RJ	LC8330EXP
M41346-15 Collected: 11-AUG-04 13:00 By: JB Received: 12-AUG-04 By: RS RW0804-FIELDDUP3						
M41346-15	SW846 8330	21-AUG-04 13:00	CZ	18-AUG-04	RJ	LC8330EXP
M41346-15	SW846 8332	21-AUG-04 13:00	CZ	18-AUG-04	LL	LC8332NG
M41346-15	SW846 8330	22-AUG-04 04:04	CZ	18-AUG-04	RJ	LC8330EXP

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 #: N74514
Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection 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			
RW0804-4553-UzzleRd	8/11/04	1125	JB	GW	2					X	X										
RW0804-4553-UzzleRd			JB	GW	2					X		X									
RW0804-4553-UzzleRd			JB	GW	2					X			X								
RW0804-4553-UzzleRd			JB	GW	3					X				X	-8						-1
RW0804-4553-UzzleRd			JB	GW	1					X					X						
RW0804-4553-UzzleRd			JB	GW	1			X								X					
RW0804-4553-UzzleRd			JB	GW	1			X									X				
RW0804-4553-UzzleRd			JB	GW	1		X											X			
0				0																	

-1,-

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

Loc.10B

30 ...
E136 E134
2221
WC18
ME8

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]	8/11/04 1658	1 FedX	2 FedX	8/12/04 @0950	2 [signature]
3 [signature]	8/13/04 1700	3 FedX	4 FedEx	8/18/04 0910	4 [signature]
5		5	Seal # reid intact	Preserved where applica VG	On Ice 4.9

2A

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 #: N74914
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-HesterFarm	8/11/04	1525	JB	GW	2					X	X										
RW0804-HesterFarm			JB	GW	2					X		X									
RW0804-HesterFarm			JB	GW	2					X			X								
RW0804-HesterFarm -2F			JB	GW	3					X				X	~~-9~~						-2
RW0804-HesterFarm			JB	GW	1					X					X						
RW0804-HesterFarm			JB	GW	1			X								X					
RW0804-HesterFarm			JB	GW	1			X									X				
RW0804-HesterFarm			JB	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]	8/11/04 1648	1 FedX	2 FedX	8/12/04 0950	2
Relinquished by Sampler: 3	Date Time: 8/13/04	Received By: 3 FedX	Relinquished By: 4 FedEx	Date Time: 8/18/04 0910	Received By: 4 [signature]
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # reid intact	Preserved where applicable	On Ice: 4.1

2A

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 #: N72514
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			
RW0804-4535-UzzleRd	8/11/04	1040	JB	GW	2					X	X										
RW0804-4535-UzzleRd			JB	GW	2					X		X									
RW0804-4535-UzzleRd			JB	GW	2					X			X								
RW0804-4535-UzzleRd			JB	GW	3					X				X	~~-10~~						-3
RW0804-4535-UzzleRd			JB	GW	1					X					X						
RW0804-4535-UzzleRd			JB	GW	1			X								X					
RW0804-4535-UzzleRd			JB	GW	1			X									X				
RW0804-4535-UzzleRd			JB	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]	8/11/04 1710	1 FedX	2 FedX	8/12/04 @ 0950	2 [signature]
3 [signature]	8/13/04 1700	3 FedX	4 FedEX	8/18/04 0910	4 Ryan McSweeney
5		5	Seal # reid intact	Preserved where applica	On Ice: 8.7

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 #: N74914

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

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			
RW0804-4578-UzzleRd	8/11/04	0915	JB	GW	2					X	X										
RW0804-4578-UzzleRd			JB	GW	2					X		X									
RW0804-4578-UzzleRd			JB	GW	2					X			X								
RW0804-4578-UzzleRd -4F			JB	GW	3					X				X	-~~11~~						-4
RW0804-4578-UzzleRd		0925	JB	GW	1					X					X						
RW0804-4578-UzzleRd			JB	GW	1			X								X					
RW0804-4578-UzzleRd			JB	GW	1			X									X				
RW0804-4578-UzzleRd			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:
Larry Berge	8/11/04 1653	1 FedX	2 FedX	8/12/04 @ 0950	2
3	8/12/04 1700	3 FedX	4 Fed Ex	8/18/04 0910	4 Nyan M Lowenley
5		5	Seal # reid intact	Preserved where applica	On Ice: 3.8

2A

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 #: N74914

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

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			
RW0804-627B-EnonRd	8/11/04	1630	JB	GW	2					X	X										
RW0804-627B-EnonRd			JB	GW	2					X		X									
RW0804-627B-EnonRd			JB	GW	2					X			X								
RW0804-627B-EnonRd -5f			JB	GW	3					X				X	~~-12~~						-5
RW0804-627B-EnonRd			JB	GW	1					X					X						
RW0804-627B-EnonRd			JB	GW	1			X								X					
RW0804-627B-EnonRd			JB	GW	1			X									X				
RW0804-627B-EnonRd			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]	8/11/04 1645	1 FedX	2 FedX	8/12/04 @ 0950	2 [signature]
3 [signature]	8/12/04 1700	3 FedX	4 Fed Ex	8/18/04 0910	4 [signature]
5		5	Seal # Rec'd intact	Preserved where applica	On Ice: 4.9

2A

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 #: N74914
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			
RW0804-4573-UzzleRd	8/11/04	1245	JB	GW	2					X	X										
RW0804-4573-UzzleRd			JB	GW	2					X		X									
RW0804-4573-UzzleRd			JB	GW	2					X			X								
RW0804-4573-UzzleRd -6F			JB	GW	3					X				X	~~-13~~						-6
RW0804-4573-UzzleRd			JB	GW	1					X					X						
RW0804-4573-UzzleRd			JB	GW	1			X								X					
RW0804-4573-UzzleRd			JB	GW	1			X									X				
RW0804-4573-UzzleRd			JB	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]	8/11/04 1715	1 Fed X	2 Fed X	8/12/04 0950	2 [signature]
3 [signature]	8/12/04 1700	3 Fed X	4 Fed EX	8/18/04 0910	4 [signature]
5		5	Seal # rid intact	Preserved where applicable	On Ice: 5.0

2A

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 #: N74914
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-FieldDup2	8/11/04	0915	JB	GW	2					X	X										
RW0804-FieldDup2			JB	GW	2					X		X									
RW0804-FieldDup2			JB	GW	2					X			X								
RW0804-FieldDup2 -7F			JB	GW	3					X				X	~~X~~						-7
RW0804-FieldDup2		0925	JB	GW	1					X					X						
RW0804-FieldDup2			JB	GW	1			X								X					
RW0804-FieldDup2			JB	GW	1			X									X				
RW0804-FieldDup2			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:
Larry Benzie	8/11/04 1655	1 FedX	2 FedX	8/12/04 @0950	2
Relinquished by Sampler: 3	8/12/04 1700	Received By: 3 FedX	Relinquished By: 4 Fed Ex	Date Time: 8/18/04 0910	Received By: 4 Ryan McSweeney
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # reid intact	Preserved where applica ✓	On Ice: 4.2

JA

GW
TB

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 #: N74914 ,X
Accutest Quote #:

ENSR

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

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			
RW0804-6305-IshamChambers	8/12/04	1200	JB	GW	2					X	X										
RW0804-6305-IshamChambers		1200	JB	GW	2					X		X									
RW0804-6305-IshamChambers	9F	~~1210~~ 1205	JB	GW	2					X			X								
RW0804-6305-IshamChambers		1205	JB	GW	3					X				X	-1						-9
RW0804-6305-IshamChambers		1210	JB	GW	1					X					X						
RW0804-6305-IshamChambers		1210	JB	GW	1			X								X					
RW0804-6305-IshamChambers		1210	JB	GW	1			X									X				
RW0804-6305-IshamChambers		1210	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

(EX13) EX90
2253
WC19
AMETL

Loc. 10B

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]	8/12/04 1448	1 FED EX	2 FED EX	08/13/04 @ 10:30	2 [signature] 8/18/04 0910
3		3	4		4
5		5	Seal # 742	Preserved where applica ✓ KC 08/13/04	On Ice: ✓ 2.6°

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 #: N74917
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	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-MSD	8/12/04	1200	JS	GW	2					X	X										
RW0804-MSD		1200	JS	GW	2					X		X									
RW0804-MSD		1205	JS	GW	2					X			X								
RW0804-MSD		1205	JS	GW	3					X				X	~~TD~~						91
RW0804-MSD		1210	JS	GW	1					X					X						
RW0804-MSD		1210	JS	GW	1			X								X					
RW0804-MSD		1210	JS	GW	1			X									X				
RW0804-MSD		1210	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:
[signature]	8/12/04 1444	1 FEDEX	2 FEDEX	08/13/04 @10:30	2 [signature] 8/18/04 0910
3		3	4		4
5		5	Seal # 754	Preserved where applica ✓ 08/13/04	On Ice: ✓ 2.2°

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 #: N74914
Accutest Quote #:

Client Information

Debra L. McGrath
Name: 2 Technology Park Drive
Address: Westford MA 01886
City State Zip
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-MS	8/12/04	1200	JB	GW	2					X	X										
RW0804-MS		1200	JB	GW	2					X		X									
RW0804-MS 9.F		1205	JB	GW	2					X			X								
RW0804-MS		1205	JB	GW	3					X				X	~~X~~						-9S
RW0804-MS		1210	JB	GW	1					X					X						
RW0804-MS		1210	JB	GW	1			X								X					
RW0804-MS		1210	JB	GW	1			X									X				
RW0804-MS	✓	1210	JB	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 Jay Begin	8/12/04 1252	1 FED EX	2 FED EX	08/13/04 @ 10:30	2 Ryan McSweeney 8/18/04 0910
3		3	4		4
5		5	Seal # 752	Preserved where applica ✓ FE 08/13/04	On Ice: ✓ 2.4°

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 #: N74914
Accutest Quote #:

Client Information

Debra L. McGrath
Name: 2 Technology Park Drive
Address: Westford MA 01886
City State Zip
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			
RW0804-4710-MoriahRd	8/12/04	0815	JB	GW	2					X	X										
RW0804-4710-MoriahRd			JB	GW	2					X		X									
RW0804-4710-MoriahRd			JB	GW	2					X			X								
RW0804-4710-MoriahRd			JB	GW	3					X				X	~~2~~						-10
RW0804-4710-MoriahRd			JB	GW	1					X					X						
RW0804-4710-MoriahRd			JB	GW	1			X								X					
RW0804-4710-MoriahRd			JB	GW	1			X									X				
RW0804-4710-MoriahRd			JB	GW	1		X											X			
0				0																	

10,

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:
Larry Berg	8/12/04 1500	1 FED Ex	2 FED Ex	08/13/04 @ 10:30	2 [signature] 8/18/04 0910
3		3	4		4
5		5	Seal # 692	Preserved where applica ✓ Ke 08/13/04	On Ice: ✓ 2.6°

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 #: N74914
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			
RW0804-4709-MoriahRd	8/12/04	0925	JS	GW	2					X	X										
RW0804-4709-MoriahRd			JS	GW	2					X		X									
RW0804-4709-MoriahRd 11 F			JS	GW	2					X			X								
RW0804-4709-MoriahRd			JS	GW	3					X				X	~~3~~						-11
RW0804-4709-MoriahRd			JS	GW	1					X					X						
RW0804-4709-MoriahRd			JS	GW	1			X								X					
RW0804-4709-MoriahRd			JS	GW	1			X									X				
RW0804-4709-MoriahRd			JS	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 Larry Benji	8/12/04 1505	1 FED EX	2 FED EX	08/13/04 @10:30	2 Ryan M Sullivan 8/18/04 0910
3		3	4		4
5		5	Seal # 694	Preserved where applica ✓ KE 08/13/04	On Ice: ✓ 2.4°

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 #: N7414
Accutest Quote #:

Client Information

Debra L. McGrath
Name: 2 Technology Park Drive
Address: Westford MA 01886
City State Zip
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			
RW0804-5057-ClaytonRd	8/12/04	1010	JB	GW	2					X	X										
RW0804-5057-ClaytonRd			JB	GW	2					X		X									
RW0804-5057-ClaytonRd			JB	GW	2					X			X								
RW0804-5057-ClaytonRd			JB	GW	3					X				X	~~4~~						12
RW0804-5057-ClaytonRd			JB	GW	1					X					X						
RW0804-5057-ClaytonRd			JB	GW	1			X								X					
RW0804-5057-ClaytonRd			JB	GW	1			X									X				
RW0804-5057-ClaytonRd			JB	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]	8/12/04 1455	1 FED EX	2 FED EX	08/13/04 @ 10:30	2 [signature] 8/18/04 0910
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 696	Preserved where applica ✓ KL 08/13/04	On Ice: ✓ 2.2°

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 #: N74914
Accutest Quote #:

Client Information

Debra L. McGrath
Name: 2 Technology Park Drive
Address: Westford MA 01886
City State Zip
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			
RW0804-2202-TilleyFarmRd	8/12/04	1300	JB	GW	2					X	X										
RW0804-2202-TilleyFarmRd			JB	GW	2					X		X									
RW0804-2202-TilleyFarmRd			JB	GW	2					X			X								
RW0804-2202-TilleyFarmRd	-13F		JB	GW	3					X				X	-5						-13
RW0804-2202-TilleyFarmRd			JB	GW	1					X					X						
RW0804-2202-TilleyFarmRd			JB	GW	1			X								X					
RW0804-2202-TilleyFarmRd			JB	GW	1			X									X				
RW0804-2202-TilleyFarmRd			JB	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]	8/12/04 1436	1 FED EX	2 FED EX	08/13/04 @ 10:30	2 [signature] 8/18/04 0910
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 746	Preserved where applica ✓ KC 08/12/04	On ice: ✓ 4.8°

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 #: N74914
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

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			
RW0804-564-BethanyChurch	8/12/04	1050	JS	GW	2					X	X										
☆ RW0804-564-BethanyChurch			JS	GW	2					X		X									
RW0804-564-BethanyChurch			JS	GW	2					X			X								
RW0804-564-BethanyChurch			JS	GW	3					X				X	~~6~~						-14
RW0804-564-BethanyChurch			JS	GW	1					X					X						
RW0804-564-BethanyChurch			JS	GW	1			X								X					
RW0804-564-BethanyChurch			JS	GW	1			X									X				
RW0804-564-BethanyChurch			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

☆ 1 PEST BOTTLE RECIEVED BROKEN. Ka 08/13/04

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]	8/12/04 1442	1 FedEx	2 FedEx	08/13/04 @ 10:30	2 [signature] 8/18/04 0910
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 744	Preserved where applica ✓ Ka 08/13/04	On Ice: ✓ 2.8°

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 #: N74914

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

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-FieldDup3	8/12/04	1300	LB	GW	2					X	X										
RW0804-FieldDup3			LB	GW	2					X		X									
RW0804-FieldDup3			LB	GW	2					X			X								
RW0804-FieldDup3 -15,F			LB	GW	3					X				X	~~-7~~						-15
RW0804-FieldDup3			LB	GW	1					X					X						
RW0804-FieldDup3			LB	GW	1			X								X					
RW0804-FieldDup3			LB	GW	1			X									X				
RW0804-FieldDup3			LB	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]	8/12/04 1438	1 FEDEX	2 FEDEX	08/13/04 @10:30	2 [signature] 8/18/04 0910
3		3	4		4
5		5	Seal # 921	Preserved where applica ✓ KC 08/13/04	On Ice: ✓ 6.°

Section 3 GC Support Data

Accutest Laboratories of New England, Inc.

GC Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction 8330

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
3. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
4. Surrogate Recoveries Meet Criteria (if applicable)		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
5. Blank Spike, Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		
6. Extraction Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		
7. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		
8. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*		

Additional Comments:

QC Review Signature: Thong Yu Ng **Date:** Sept 1, 2004

QA037-03 (4/30/03)

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Semivolatile Surrogate Recovery Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Method: SW846 8330 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
M41346-1	VU9789.D	84.0
M41346-1	ST8063.D	83.0
M41346-2	VU9790.D	91.0
M41346-2	ST8064.D	89.0
M41346-3	VU9791.D	95.0
M41346-3	ST8065.D	94.0
M41346-4	VU9792.D	89.0
M41346-4	ST8066.D	88.0
M41346-5	VU9793.D	91.0
M41346-5	ST8067.D	90.0
M41346-6	VU9794.D	94.0
M41346-6	ST8068.D	93.0
M41346-7	VU9797.D	88.0
M41346-7	ST8069.D	87.0
M41346-9	VU9798.D	81.0
M41346-9	ST8070.D	81.0
M41346-10	VU9799.D	87.0
M41346-10	ST8071.D	86.0
M41346-11	VU9800.D	91.0
M41346-11	ST8076.D	90.0
M41346-12	VU9801.D	85.0
M41346-12	ST8077.D	85.0
M41346-13	VU9802.D	86.0
M41346-13	ST8078.D	86.0
M41346-14	VU9803.D	84.0
M41346-14	ST8079.D	84.0
M41346-15	VU9804.D	79.0
M41346-15	ST8080.D	78.0
OP7581-BS	ST8075.D	72.0
OP7581-MB	ST8074.D	87.0
OP7581-MS	ST8081.D	68.0
OP7581-MSD	ST8082.D	74.0

Surrogate Compounds	Recovery Limits
S1 = o-Dinitrobenzene	43-128%

(a) Recovery from GC signal #2

Method Blank Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7581-MB	ST8074.D	1	08/21/04	CZ	08/18/04	OP7581	GST368

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

M41346-1, M41346-2, M41346-3, M41346-4, M41346-5, M41346-6, M41346-7, M41346-9, M41346-10, M41346-11, M41346-12, M41346-13, M41346-14, M41346-15

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	1.0	0.19	ug/l	
121-82-4	RDX	ND	0.50	0.22	ug/l	
99-65-0	1,3-Dinitrobenzene	ND	1.0	0.10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.11	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.27	ug/l	
35572-78-2	2-amino-4,6-Dinitrotoluene	ND	1.0	0.22	ug/l	
19406-51-0	4-amino-2,6-Dinitrotoluene	ND	1.0	0.44	ug/l	
98-95-3	Nitrobenzene	ND	1.0	0.20	ug/l	
99-08-1	m-Nitrotoluene	ND	1.0	0.17	ug/l	
99-99-0	p-Nitrotoluene	ND	1.0	0.31	ug/l	
479-45-8	Tetryl	ND	1.0	0.26	ug/l	
99-35-4	1,3,5-Trinitrobenzene	ND	1.0	0.29	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries		Limits
528-29-0	o-Dinitrobenzene	87%	43-128%

Blank Spike Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7581-BS	ST8075.D	1	08/21/04	CZ	08/18/04	OP7581	GST368

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

M41346-1, M41346-2, M41346-3, M41346-4, M41346-5, M41346-6, M41346-7, M41346-9, M41346-10, M41346-11, M41346-12, M41346-13, M41346-14, M41346-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
2691-41-0	HMX	50	40.0	80	39-123
121-82-4	RDX	50	39.7	79	39-119
99-65-0	1,3-Dinitrobenzene	50	46.6	93	32-124
606-20-2	2,6-Dinitrotoluene	50	42.6	85	50-114
121-14-2	2,4-Dinitrotoluene	50	57.2	114	52-128
35572-78-2	2-amino-4,6-Dinitrotoluene	50	39.9	80	50-118
19406-51-0	4-amino-2,6-Dinitrotoluene	50	92.6	93 [a]	49-129
98-95-3	Nitrobenzene	50	41.8	84	41-110
88-72-2	o-Nitrotoluene	50	39.7	72 [b]	41-116
99-08-1	m-Nitrotoluene	50	41.9	84	45-113
99-99-0	p-Nitrotoluene	50	41.3	83	49-112
479-45-8	Tetryl	50	52.2	104	50-149
99-35-4	1,3,5-Trinitrobenzene	50	40.1	80	29-127
118-96-7	2,4,6-Trinitrotoluene	50	95.4	95 [a]	34-142

CAS No.	Surrogate Recoveries	BSP	Limits
528-29-0	o-Dinitrobenzene	72%	43-128%

(a) 2,4,6-Trinitrotoluene and 4-amino-2,6-dinitrotoluene coelute. Value represents total recovery.
(b) PETN and 2-nitrotoluene coelute. Value represents combined total.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7581-MS	ST8081.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
OP7581-MSD	ST8082.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
M41346-9	ST8070.D	1	08/21/04	CZ	08/18/04	OP7581	GST368
M41346-9	VU9798.D	1	08/22/04	CZ	08/18/04	OP7581	GVU326

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

M41346-1, M41346-2, M41346-3, M41346-4, M41346-5, M41346-6, M41346-7, M41346-9, M41346-10, M41346-11, M41346-12, M41346-13, M41346-14, M41346-15

CAS No.	Compound	M41346-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
2691-41-0	HMX	ND		67.6	52.0	77	53.7	84	3	33-127/30
121-82-4	RDX	ND		67.6	50.4	75	52.4	82	4	42-115/30
99-65-0	1,3-Dinitrobenzene	ND		67.6	56.9	84	58.1	91	2	31-119/34
606-20-2	2,6-Dinitrotoluene	ND [a]		67.6	51.9	77	54.1	84	4	49-112/30
121-14-2	2,4-Dinitrotoluene	ND		67.6	70.6	104	72.0	112	2	44-128/31
35572-78-2	2-amino-4,6-Dinitrotoluene	ND		67.6	52.1	77	52.5	82	1	50-111/30
19406-51-0	4-amino-2,6-Dinitrotoluene	ND		67.6	121	90 [b]	119	93 [b]	2 [b]	46-127/30
98-95-3	Nitrobenzene	ND		67.6	46.7	69	48.1	75	3	38-110/33
88-72-2	o-Nitrotoluene	ND [a]		67.6	51.6	69 [c]	50.0	67 [c]	3 [c]	40-110/30
99-08-1	m-Nitrotoluene	ND		67.6	54.2	80	51.4	80	5	45-110/31
99-99-0	p-Nitrotoluene	ND [a]		67.6	53.9	79	49.7	77	8	40-111/39
479-45-8	Tetryl	ND		67.6	67.9	100	64.1	100	6	47-154/32
99-35-4	1,3,5-Trinitrobenzene	ND [a]		67.6	49.4	73	51.2	80	4	32-123/30
118-96-7	2,4,6-Trinitrotoluene	ND		67.6	122	91 [b]	118	92 [b]	3 [b]	26-135/31

CAS No.	Surrogate Recoveries	MS	MSD	M41346-9	M41346-9	Limits
528-29-0	o-Dinitrobenzene	68%	74%	81%	81%	43-128%

(a) Result is from Run #2.
(b) 2,4,6-Trinitrotoluene and 4-amino-2,6-dinitrotoluene coelute. Value represents total recovery.
(c) PETN and 2-nitrotoluene coelute. Value represents combined total.

GC Surrogate Retention Time Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Check Std:	GST368-ICC368	**Injection Date:**	08/20/04
Lab File ID:	ST8056.D	**Injection Time:**	23:04
Instrument ID:	GCST	**Method:**	SW846 8330

	S1 [a] RT
Check Std	10.74

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
M41346-1	ST8063.D	08/21/04	02:39	10.77
M41346-1	ST8063.D	08/21/04	02:39	10.77
M41346-2	ST8064.D	08/21/04	03:10	10.80
M41346-2	ST8064.D	08/21/04	03:10	10.80
M41346-3	ST8065.D	08/21/04	03:40	10.78
M41346-3	ST8065.D	08/21/04	03:40	10.78
M41346-4	ST8066.D	08/21/04	04:11	10.81
M41346-4	ST8066.D	08/21/04	04:11	10.81
M41346-5	ST8067.D	08/21/04	04:42	10.81
M41346-5	ST8067.D	08/21/04	04:42	10.81
M41346-6	ST8068.D	08/21/04	05:12	10.82
M41346-6	ST8068.D	08/21/04	05:12	10.82
M41346-7	ST8069.D	08/21/04	05:43	10.82
M41346-7	ST8069.D	08/21/04	05:43	10.82
M41346-9	ST8070.D	08/21/04	06:14	10.81
M41346-9	ST8070.D	08/21/04	06:14	10.81
M41346-10	ST8071.D	08/21/04	06:44	10.84
M41346-10	ST8071.D	08/21/04	06:44	10.84

Surrogate Compounds

S1 = o-Dinitrobenzene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Check Std:	GST368-CC368	**Injection Date:**	08/21/04
Lab File ID:	ST8072.D	**Injection Time:**	07:15
Instrument ID:	GCST	**Method:**	SW846 8330

	S1 [a] RT
Check Std	10.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP7581-MB	ST8074.D	08/21/04	09:56	11.15
OP7581-BS	ST8075.D	08/21/04	10:27	10.76
ZZZZZZ	ST8076.D	08/21/04	10:57	10.78
M41346-11	ST8076.D	08/21/04	10:57	10.78
M41346-11	ST8076.D	08/21/04	10:57	10.78
ZZZZZZ	ST8077.D	08/21/04	11:28	10.78
M41346-12	ST8077.D	08/21/04	11:28	10.78
M41346-12	ST8077.D	08/21/04	11:28	10.78
ZZZZZZ	ST8078.D	08/21/04	11:59	10.77
M41346-13	ST8078.D	08/21/04	11:59	10.77
M41346-13	ST8078.D	08/21/04	11:59	10.77
ZZZZZZ	ST8079.D	08/21/04	12:29	10.76
M41346-14	ST8079.D	08/21/04	12:29	10.76
M41346-14	ST8079.D	08/21/04	12:29	10.76
ZZZZZZ	ST8080.D	08/21/04	13:00	10.74
M41346-15	ST8080.D	08/21/04	13:00	10.74
M41346-15	ST8080.D	08/21/04	13:00	10.74
OP7581-MS	ST8081.D	08/21/04	13:31	10.75
OP7581-MSD	ST8082.D	08/21/04	14:01	10.78

Surrogate Compounds

S1 = o-Dinitrobenzene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Check Std:	GVU326-ICC326	**Injection Date:**	08/21/04
Lab File ID:	VU9778.D	**Injection Time:**	12:18
Instrument ID:	GCVU	**Method:**	SW846 8330

	S1 [a] RT
Check Std	10.10

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP7581-MB	VU9785.D	08/21/04	17:57	10.33
ZZZZZZ	VU9789.D	08/21/04	20:05	10.30
M41346-1	VU9789.D	08/21/04	20:05	10.30
ZZZZZZ	VU9790.D	08/21/04	20:37	10.32
M41346-2	VU9790.D	08/21/04	20:37	10.32
ZZZZZZ	VU9791.D	08/21/04	21:09	10.36
M41346-3	VU9791.D	08/21/04	21:09	10.36
ZZZZZZ	VU9792.D	08/21/04	21:41	10.37
M41346-4	VU9792.D	08/21/04	21:41	10.37
ZZZZZZ	VU9793.D	08/21/04	22:13	10.36
M41346-5	VU9793.D	08/21/04	22:13	10.36
ZZZZZZ	VU9794.D	08/21/04	22:45	10.28
M41346-6	VU9794.D	08/21/04	22:45	10.28

Surrogate Compounds

S1 = o-Dinitrobenzene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Check Std:	GVU326-CC326	**Injection Date:**	08/21/04
Lab File ID:	VU9795.D	**Injection Time:**	23:17
Instrument ID:	GCVU	**Method:**	SW846 8330

	S1 [a] RT
Check Std	10.20

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
ZZZZZZ	VU9797.D	08/22/04	00:21	10.18
M41346-7	VU9797.D	08/22/04	00:21	10.18
N74914-9X	VU9798.D	08/22/04	00:53	10.25
M41346-9	VU9798.D	08/22/04	00:53	10.25
ZZZZZZ	VU9799.D	08/22/04	01:25	10.26
M41346-10	VU9799.D	08/22/04	01:25	10.26
ZZZZZZ	VU9800.D	08/22/04	01:57	10.31
M41346-11	VU9800.D	08/22/04	01:57	10.31
ZZZZZZ	VU9801.D	08/22/04	02:29	10.32
M41346-12	VU9801.D	08/22/04	02:29	10.32
ZZZZZZ	VU9802.D	08/22/04	03:00	10.35
M41346-13	VU9802.D	08/22/04	03:00	10.35
ZZZZZZ	VU9803.D	08/22/04	03:32	10.36
M41346-14	VU9803.D	08/22/04	03:32	10.36
ZZZZZZ	VU9804.D	08/22/04	04:04	10.35
M41346-15	VU9804.D	08/22/04	04:04	10.35

Surrogate Compounds

S1 = o-Dinitrobenzene

(a) Retention time from GC signal #2

Sample Raw Data

S330

(Test)

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9789.D\dad1B.ch Vial: 25
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9789.D\dad1A.ch
Acq On : 21-Aug-2004, 20:05:34 Operator: caobinz
Sample : ~~n74914-1x~~ n41346-1 . 24 9/1/04 Inst : G1315A
Misc : op7581,gvu326,900,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 13:54 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.30	15968083	4.209 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	84.18%
Target Compounds			

08/22/04

8/23/04

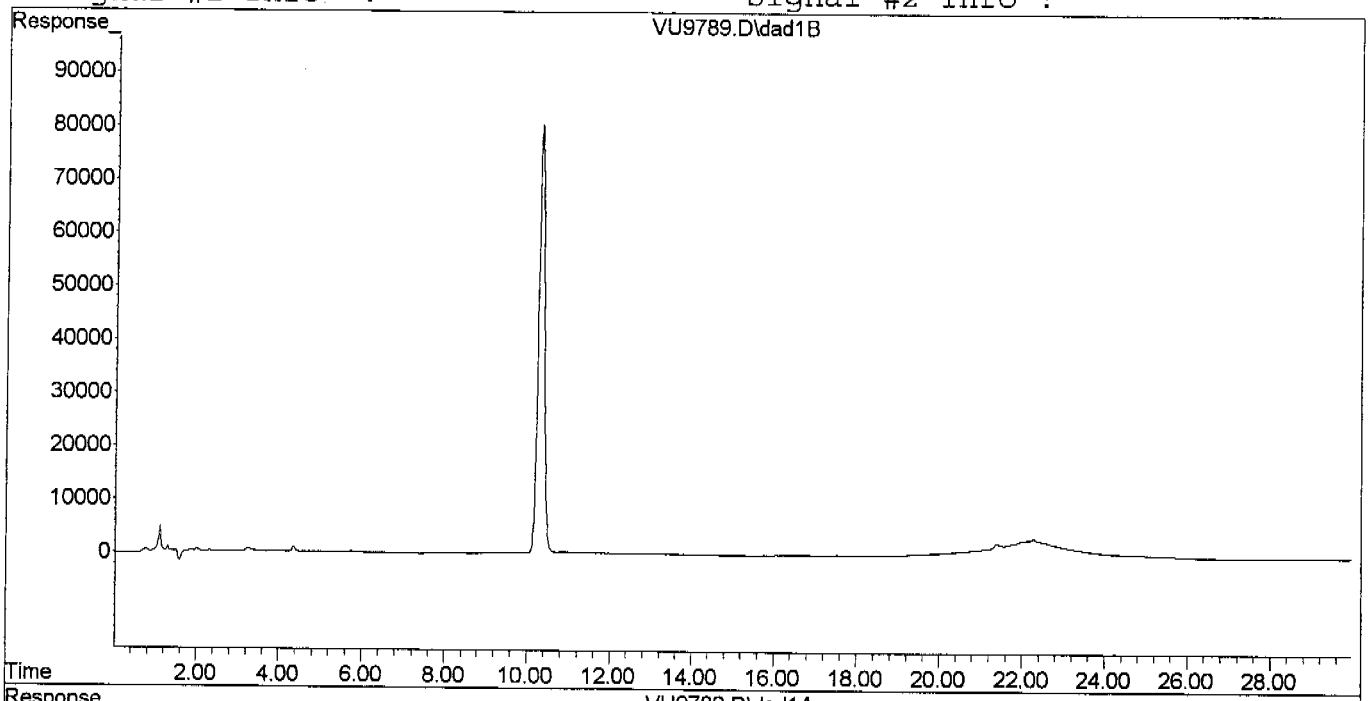
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9789.D EX082004.M Sun Aug 22 1[illegible]55:04 2004 GC20PRT Page 1

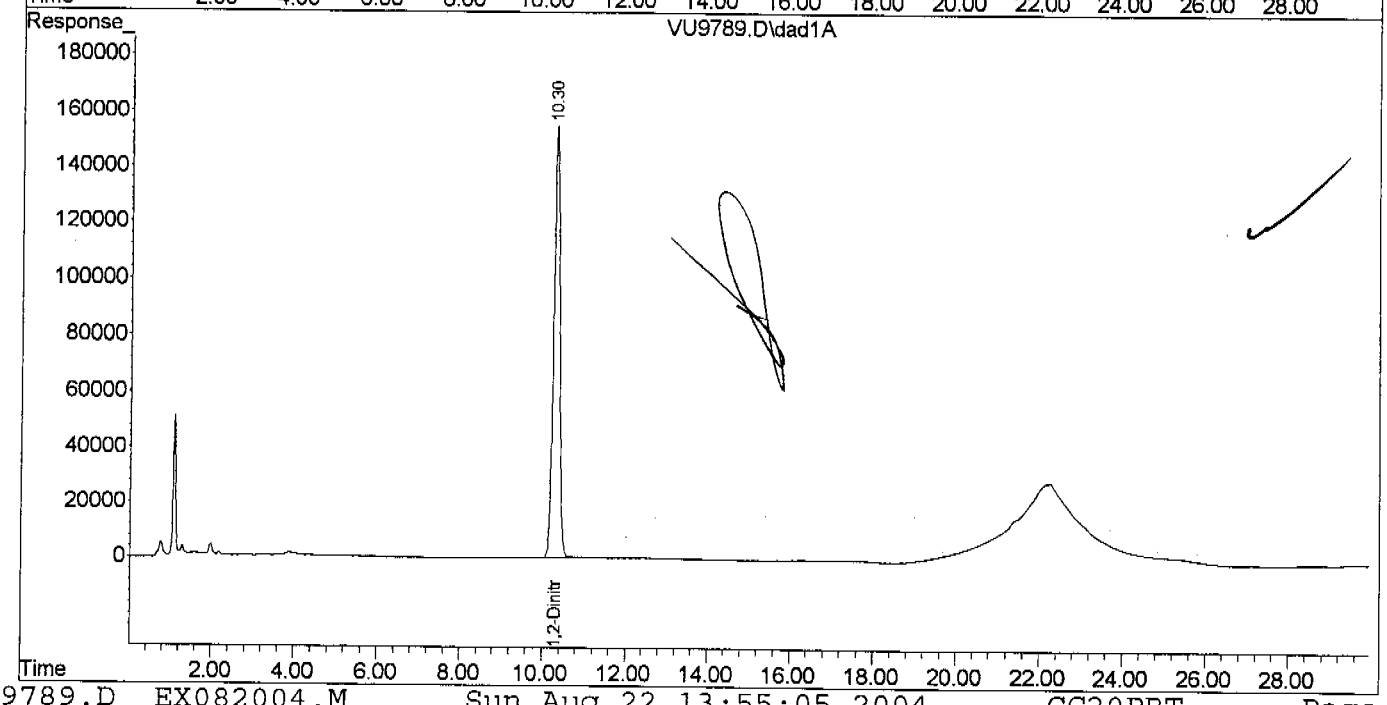
Quantitation Report (QT Reviewed)

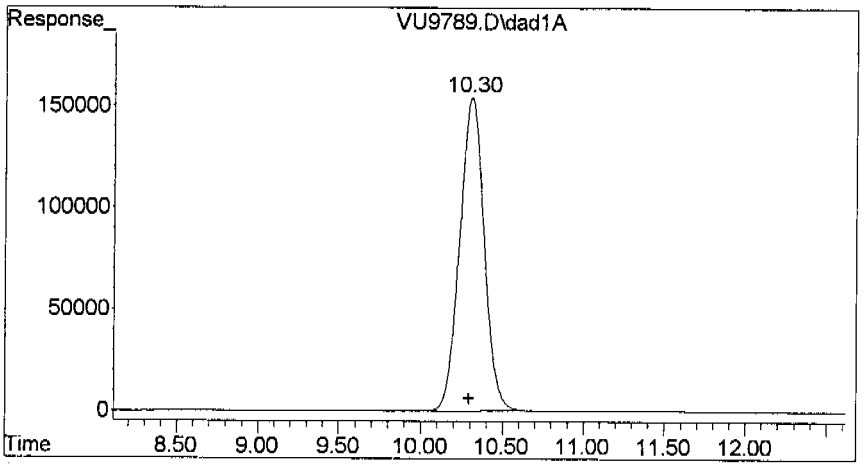
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9789.D\dad1B.ch Vial: 25
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9789.D\dad1A.ch
Acq On : 21-Aug-2004, 20:05:34 Operator: caobinz
Sample : ~~n74914-1x~~ M41346-1 JM 9/1/04 Inst : G1315A
Misc : op7581,gvu326,900,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 13:54 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.304 min
Delta R.T.: 0.014 min
Response: 15968083
Conc: 4.21 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8063.D\fld1a.ch Vial: 15
Signal #2 : D:\HPLC1\DATA\082004A\ST8063.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:39:31 Operator: sonal
Sample : ~~N74914-1x~~ N41346-1 ✓ 24911/04 Inst : FLD
Misc : op7581,gst368,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:39 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.77	87951602	4.143 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	82.86%
Target Compounds			
15) o-Nitrotoluene	19.10	135074	0.012 ppb m
16) p-Nitrotoluene	19.53 X	526746	0.040 ppb m

ND

8/22/04

08/22/04

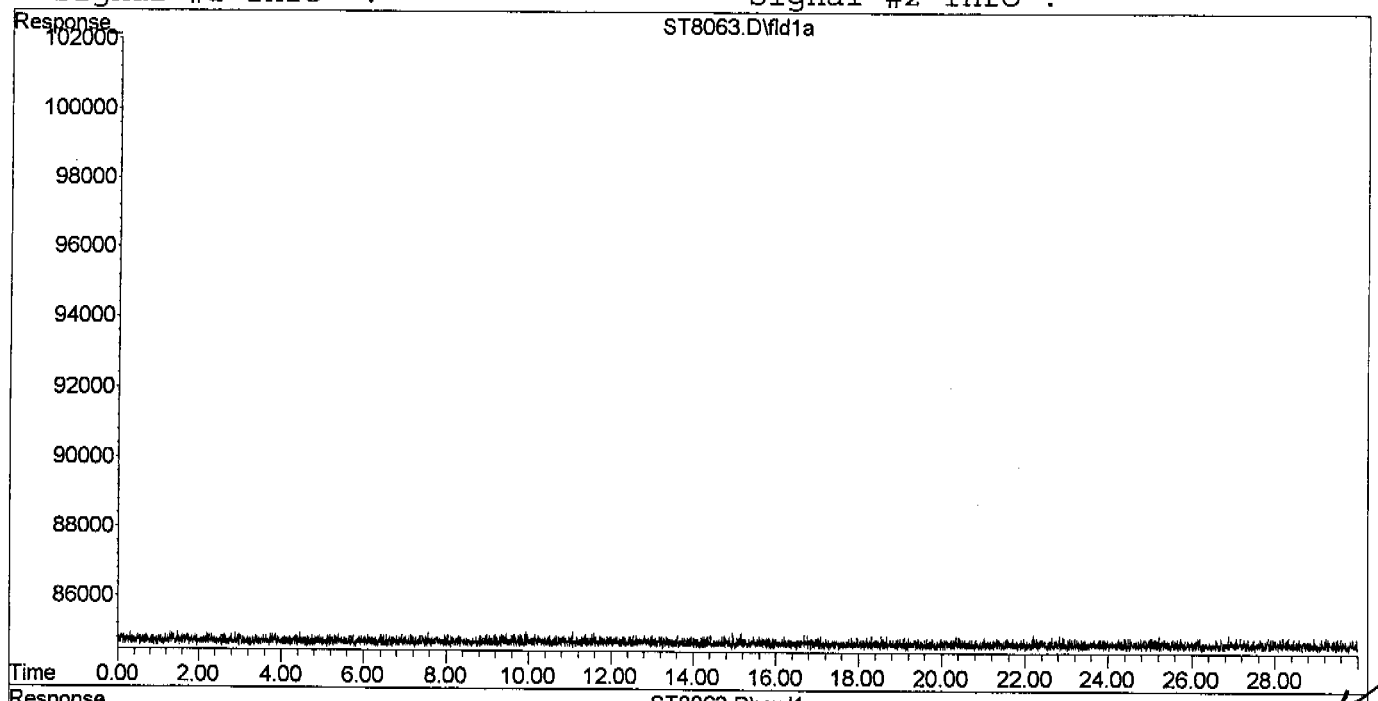
(f)=RT Delta > 1/2 Window (m)=manual int.

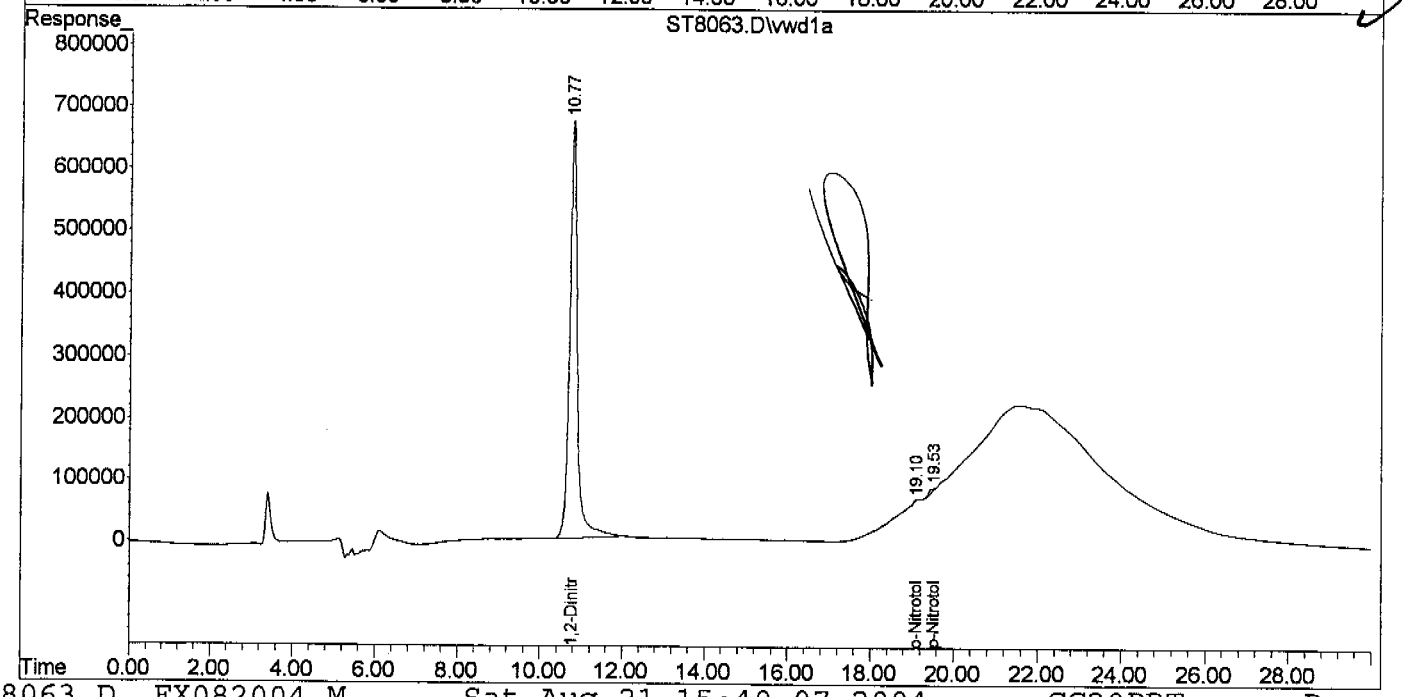
Quantitation Report (QT Reviewed)

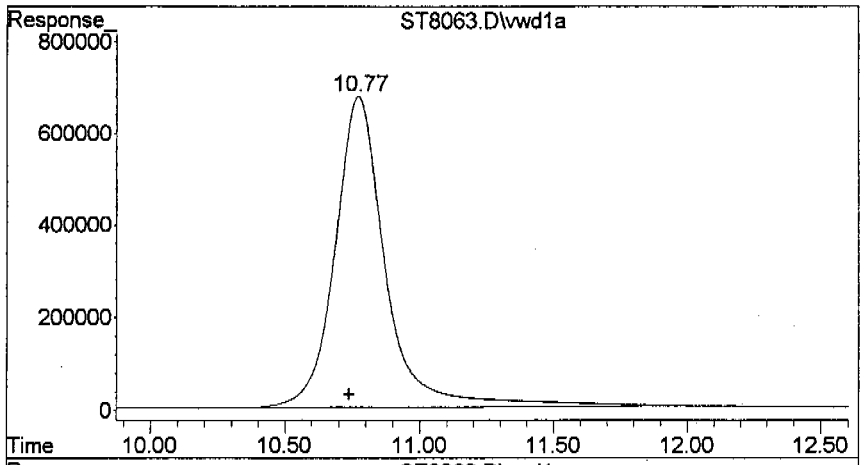
Signal #1 : D:\HPLC1\DATA\082004A\ST8063.D\fld1a.ch Vial: 15
Signal #2 : D:\HPLC1\DATA\082004A\ST8063.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:39:31 Operator: sonal
Sample : ~~N74914-1x~~ M 41346-1. 24 9/1/04 Inst : FLD
Misc : op7581,gst368,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:39 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

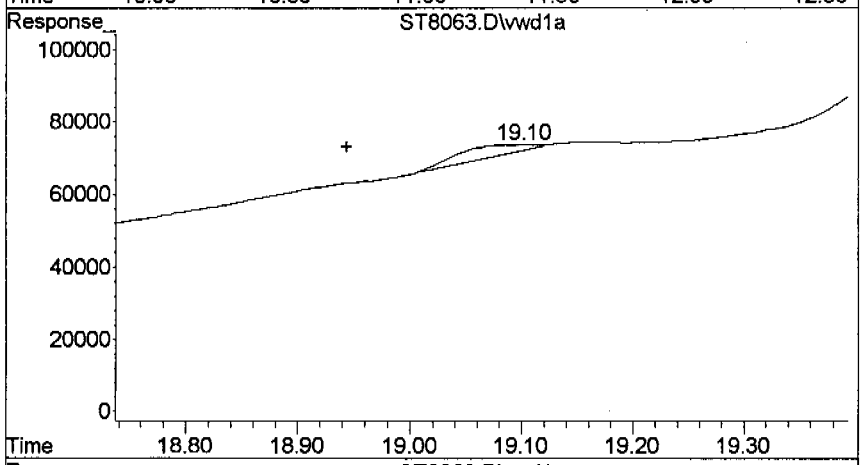






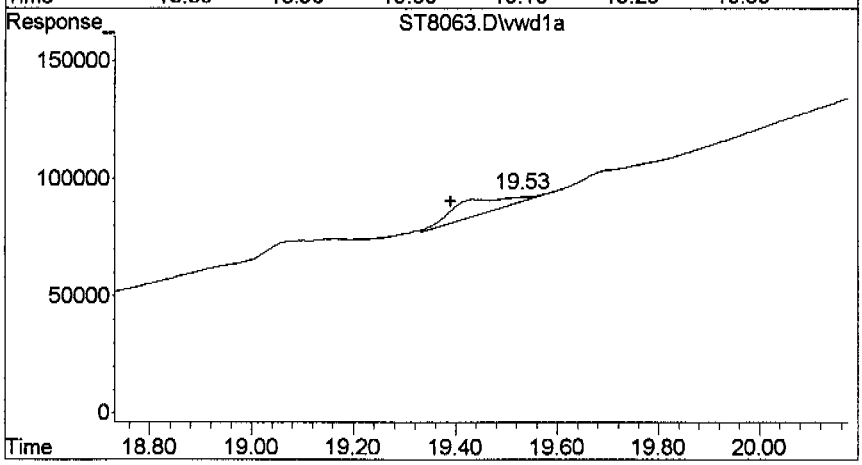
#2 1,2-Dinitrobenzene

R.T.: 10.772 min
Delta R.T.: 0.033 min
Response: 87951602
Conc: 4.14 ug/ml m



#15 o-Nitrotoluene

R.T.: 19.100 min
Delta R.T.: 0.157 min
Response: 135074
Conc: 0.01 ppb m



#16 p-Nitrotoluene

R.T.: 19.527 min
Delta R.T.: 0.137 min
Response: 526746
Conc: 0.04 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9790.D\dad1B.ch Vial: 26
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9790.D\dad1A.ch
Acq On : 21-Aug-2004, 20:37:31 Operator: caobinz
Sample : ~~n74914-2x~~ M413462 ✓ 9/1/04 Inst : G1315A
Misc : op7581,gvu326,850,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:24 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.32	17177597	4.527 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	90.54%
Target Compounds			

08/22/04

8/22/04

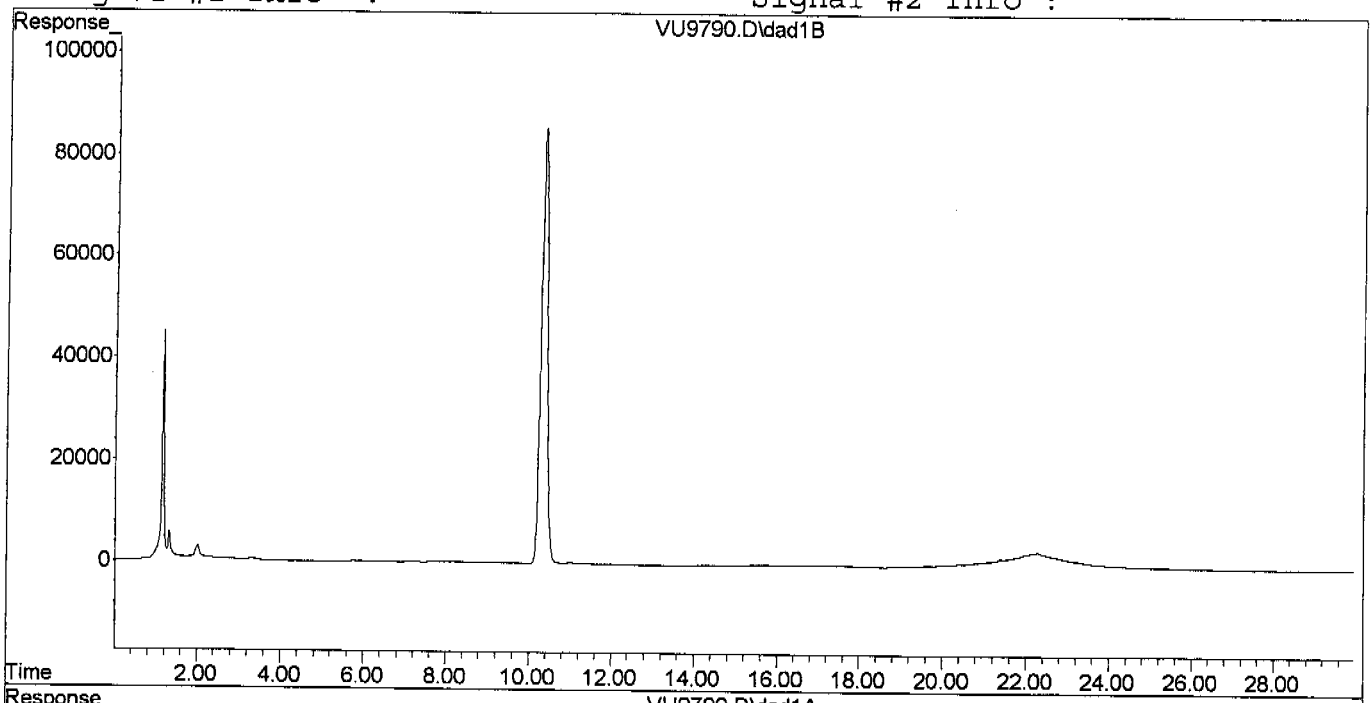
(f)=RT Delta > 1/2 Window (m)=manual int.

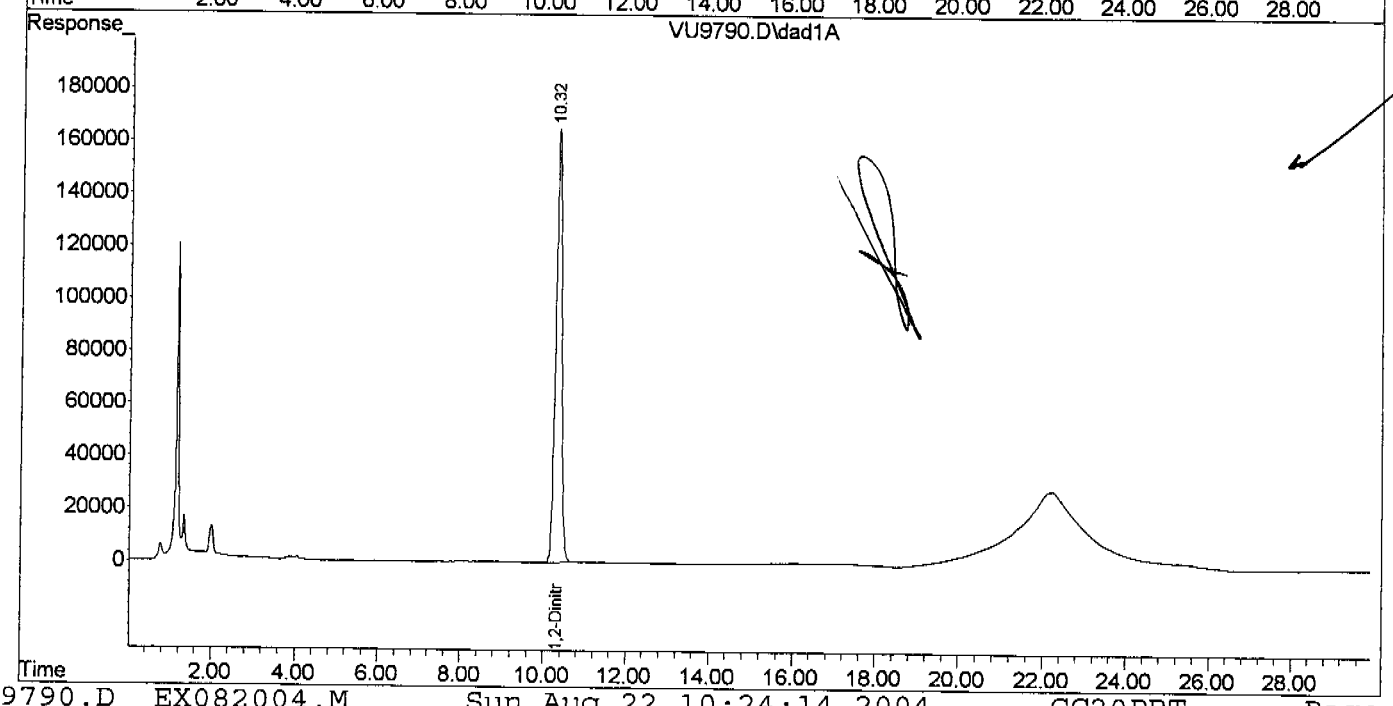
Quantitation Report (QT Reviewed)

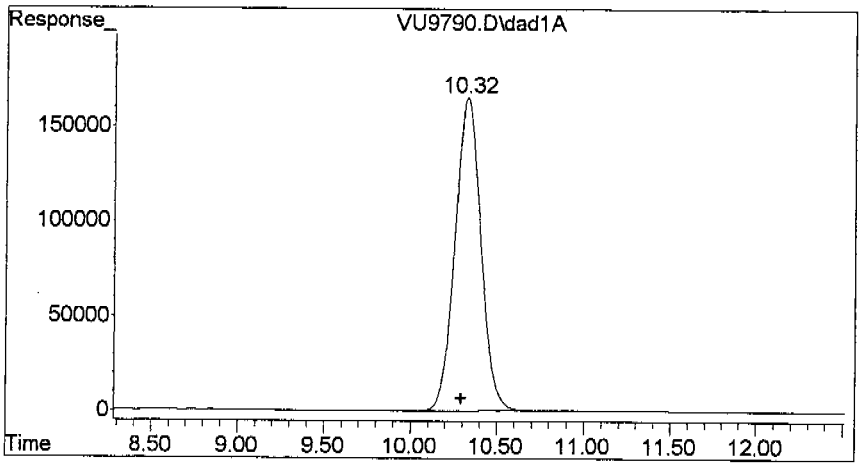
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9790.D\dad1B.ch Vial: 26
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9790.D\dad1A.ch
Acq On : 21-Aug-2004, 20:37:31 Operator: caobinz
Sample : ~~n74914-2x~~ M4134 6-2, JM 9/1/04 Inst : G1315A
Misc : op7581,gvu326,850,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:24 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.324 min
Delta R.T.: 0.033 min
Response: 17177597
Conc: 4.53 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8064.D\fld1a.ch Vial: 16
Signal #2 : D:\HPLC1\DATA\082004A\ST8064.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:10:10 Operator: sonal
Sample : ~~N74914-2x~~ N41346-2 / 2M 9/1/04 Inst : FLD
Misc : op7581,gst368,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:41 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.80	93972520	4.427 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	88.54%
Target Compounds			
4) RDX	9.08	231202	0.016 ppb m
15) o-Nitrotoluene	18.96 ✓	961179	0.086 ppb m
16) p-Nitrotoluene	19.32 ✓	899241	0.068 ppb m

8/22/04

8/22/04

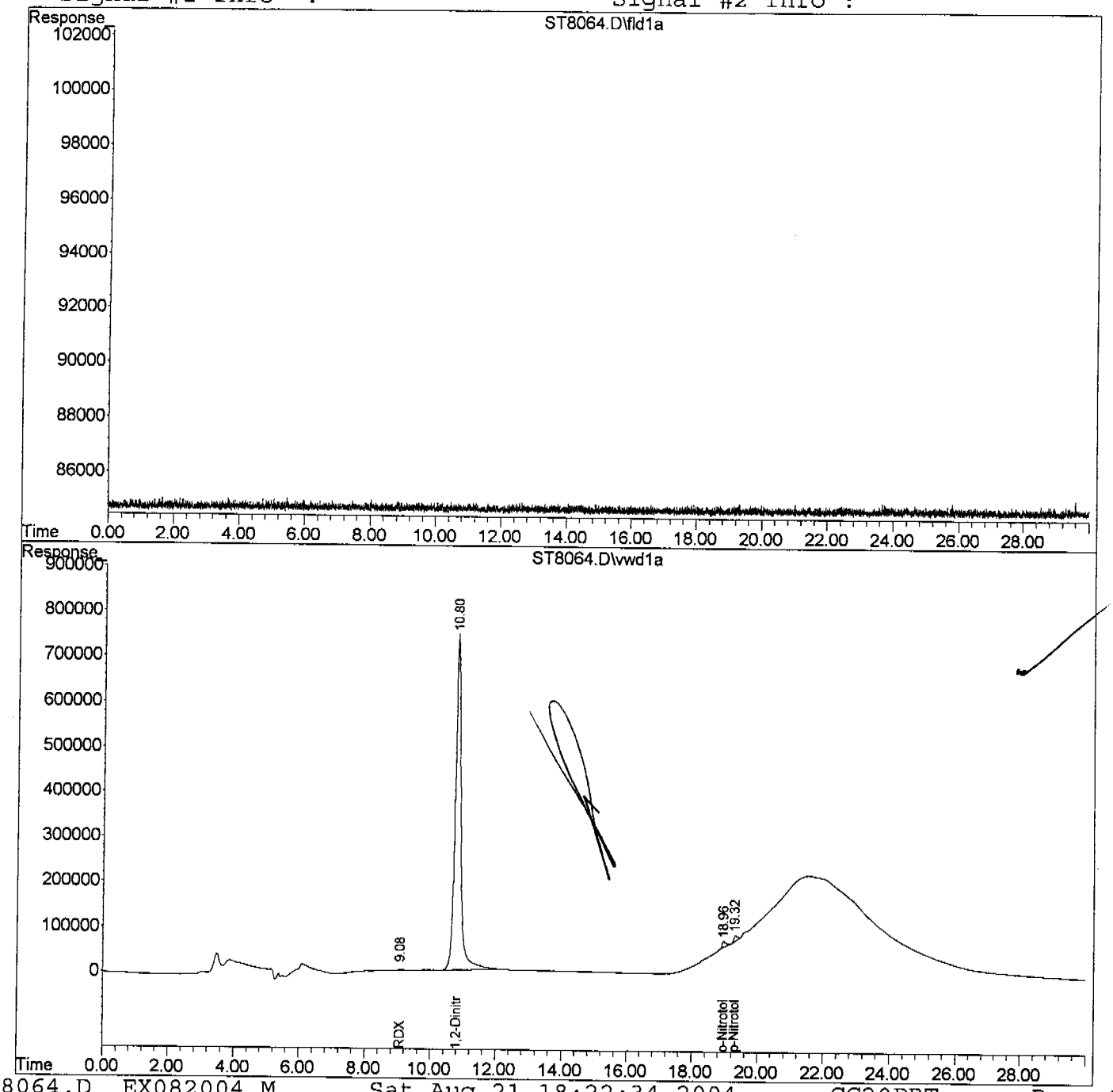
(f)=RT Delta > 1/2 Window (m)=manual int.

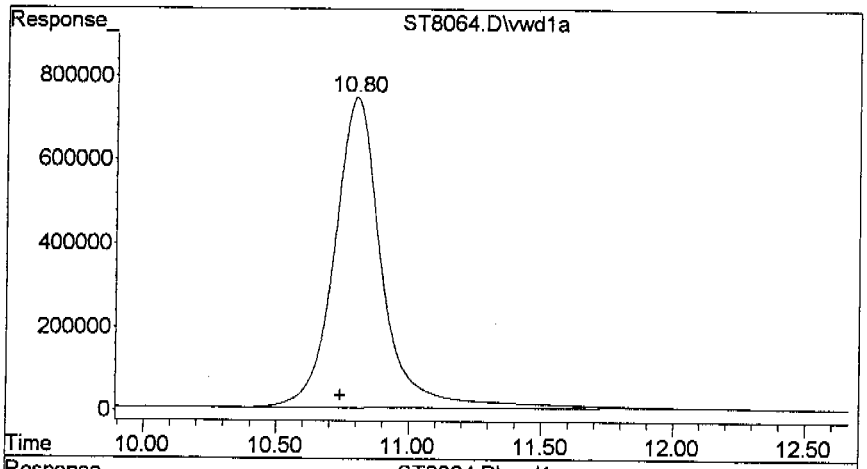
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8064.D\fld1a.ch Vial: 16
Signal #2 : D:\HPLC1\DATA\082004A\ST8064.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:10:10 Operator: sonal
Sample : ~~N74914-2x~~ M41346-2, 2M 911/.4 Inst : FLD
Misc : op7581,gst368,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:41 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

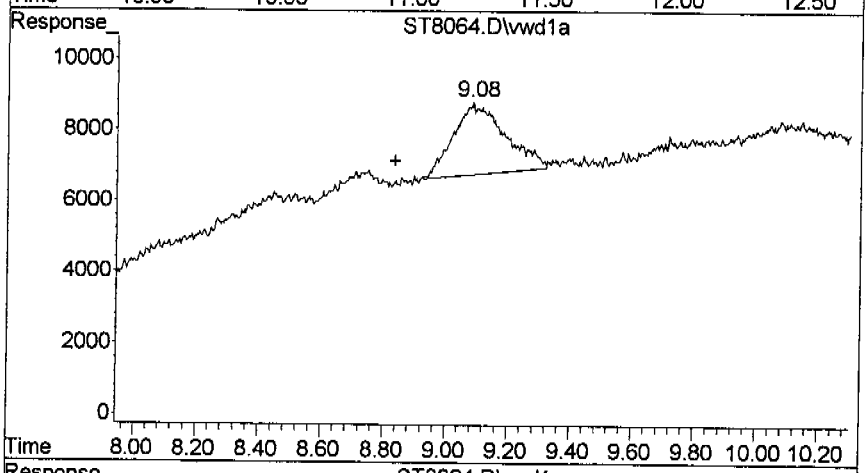
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





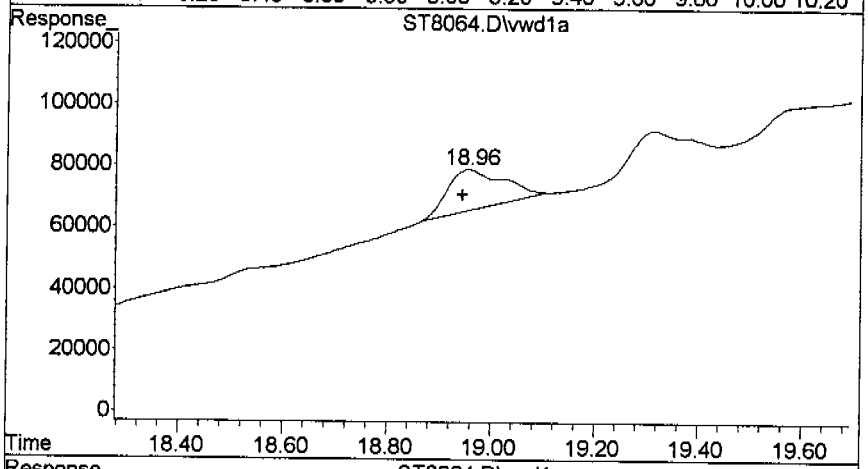
#2 1,2-Dinitrobenzene

R.T.: 10.797 min
Delta R.T.: 0.058 min
Response: 93972520
Conc: 4.43 ug/ml m



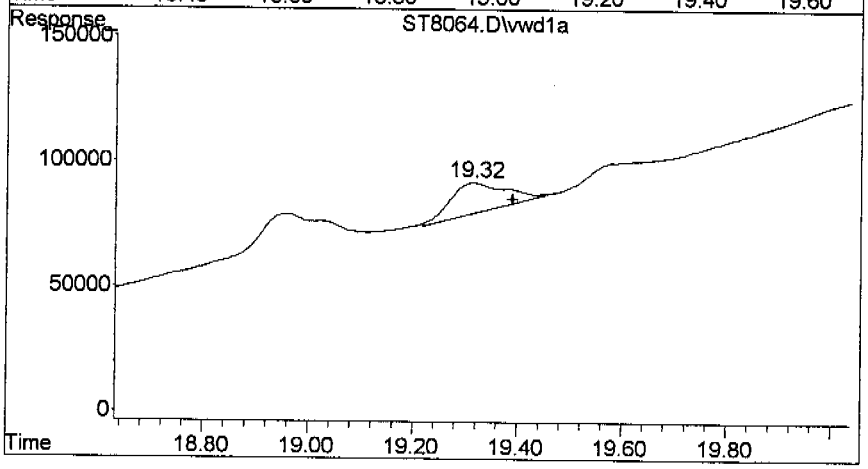
#4 RDX

R.T.: 9.084 min
Delta R.T.: 0.250 min
Response: 231202
Conc: 0.02 ppb m



#15 o-Nitrotoluene

R.T.: 18.959 min
Delta R.T.: 0.015 min
Response: 961179
Conc: 0.09 ppb m



#16 p-Nitrotoluene

R.T.: 19.316 min
Delta R.T.: -0.073 min
Response: 899241
Conc: 0.07 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9791.D\dad1B.ch Vial: 27
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9791.D\dad1A.ch
Acq On : 21-Aug-2004, 21:09:26 Operator: caobinz
Sample : ~~n74914-3x~~ M41346-3, 2M 9/1.4 Inst : G1315A
Misc : op7581,gvu326,850,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 13:55 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.36	18105593	4.772 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	95.44%

Target Compounds

08/22/04

8/23/04

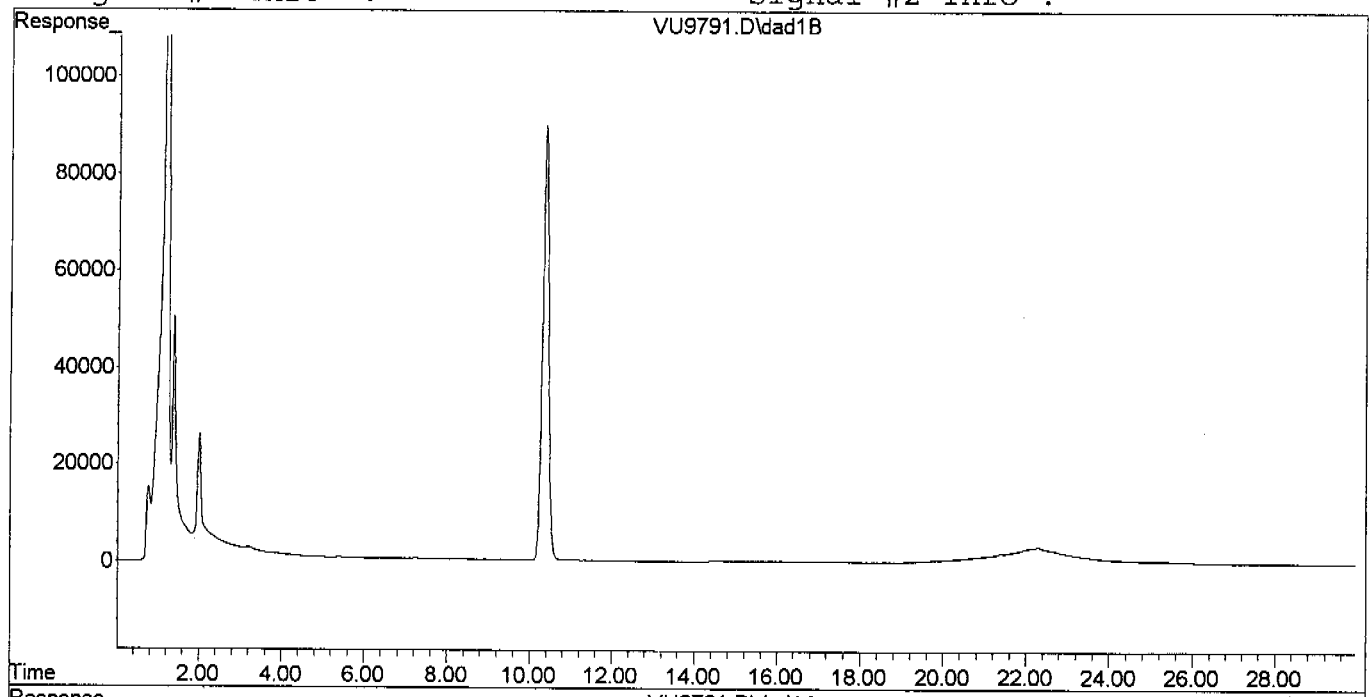
(f)=RT Delta > 1/2 Window (m)=manual int.

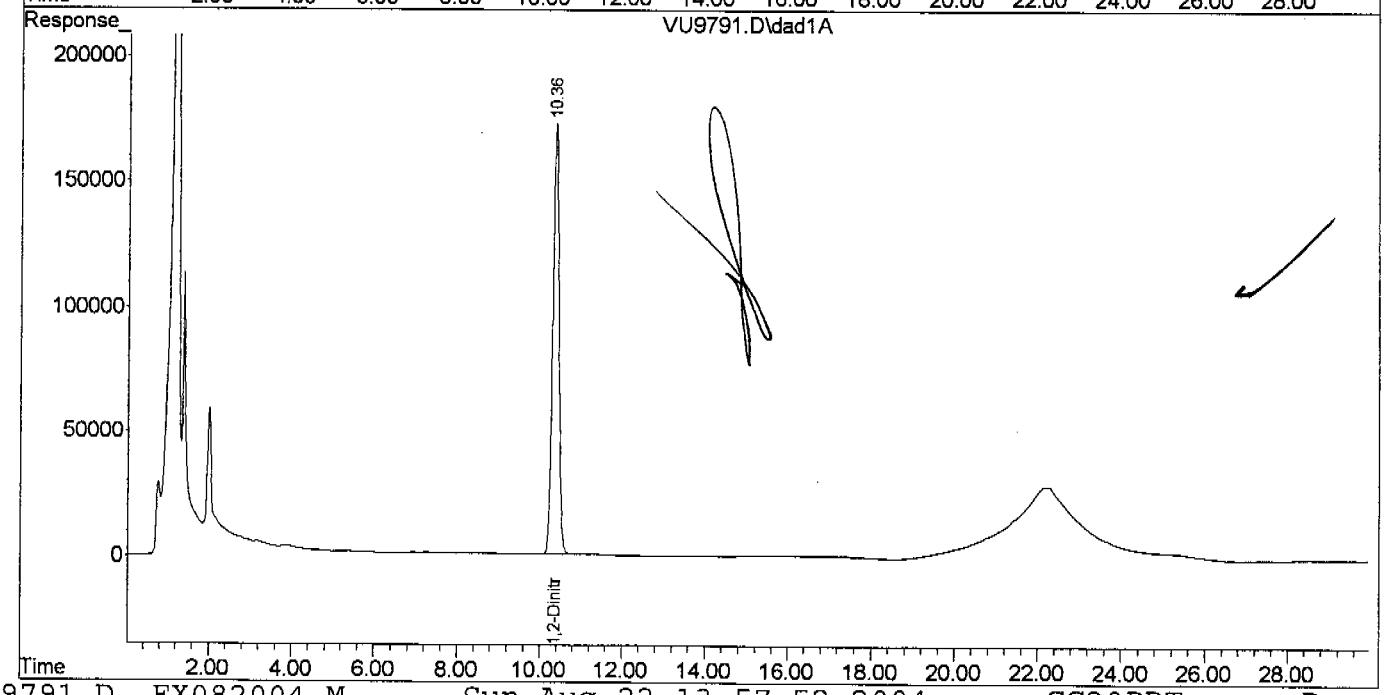
Quantitation Report (QT Reviewed)

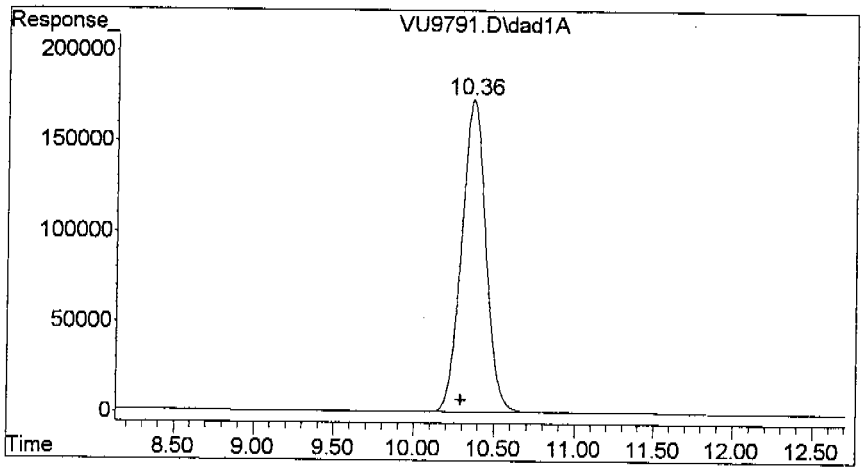
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9791.D\dad1B.ch Vial: 27
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9791.D\dad1A.ch
Acq On : 21-Aug-2004, 21:09:26 Operator: caobinz
Sample : ~~n74914-3x~~ M41346-3 JM 9/1/04 Inst : G1315A
Misc : op7581,gvu326,850,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 13:55 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.361 min
Delta R.T.: 0.070 min
Response: 18105593
Conc: 4.77 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8065.D\fld1a.ch Vial: 17
Signal #2 : D:\HPLC1\DATA\082004A\ST8065.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:40:50 Operator: caobinz
Sample : ~~N74914-3x~~ M41346-3 . 2M 9/1/04 Inst : FLD
Misc : op7581,gst368,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:43 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	99408428	4.683 ug/mlm
Spiked Amount 5.000	Range 16 - 141	Recovery =	93.66%
Target Compounds			
15) o-Nitrotoluene	19.07	304132	0.027 ppb m
16) p-Nitrotoluene	19.36	308009	0.023 ppb m

ND

8/31/04

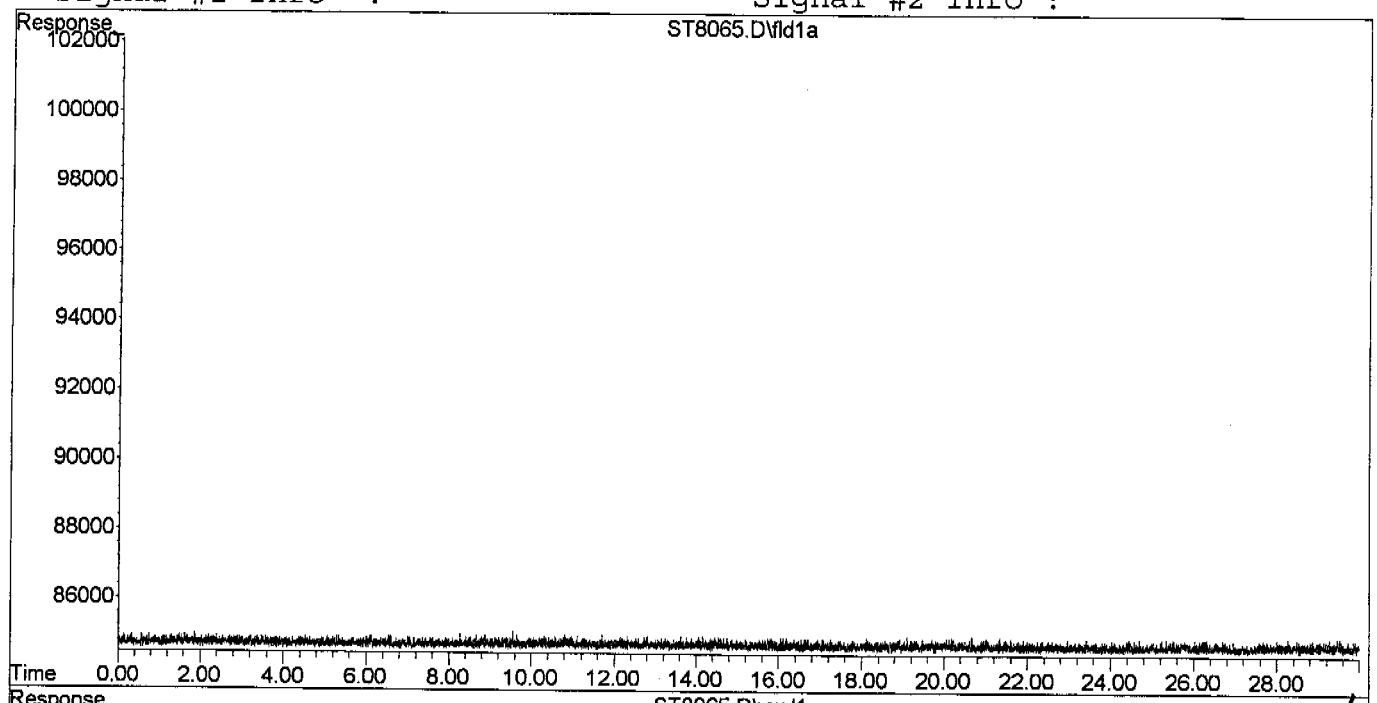
(f)=RT Delta > 1/2 Window (m)=manual int.

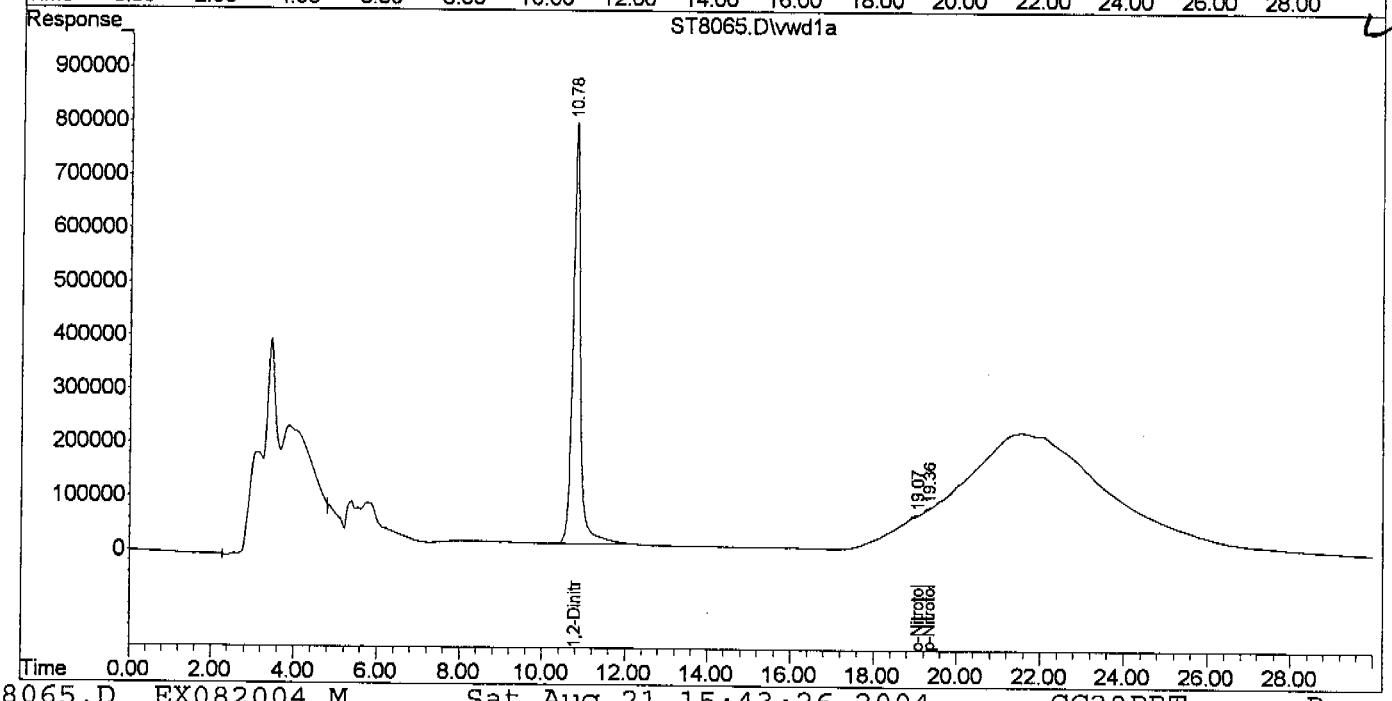
Quantitation Report (QT Reviewed)

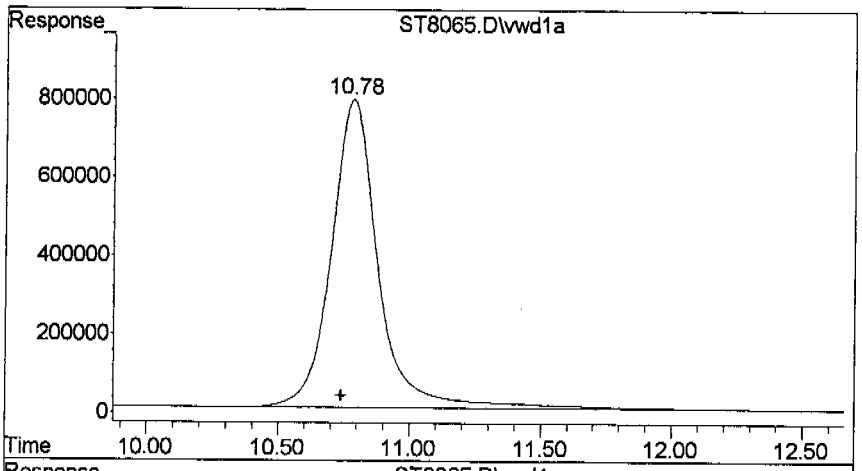
Signal #1 : D:\HPLC1\DATA\082004A\ST8065.D\fld1a.ch Vial: 17
Signal #2 : D:\HPLC1\DATA\082004A\ST8065.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:40:50 Operator: caobinz
Sample : ~~N74914-3x~~ N41346-3 [illegible] 9/1/04 Inst : FLD
Misc : op7581,gst368,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:43 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

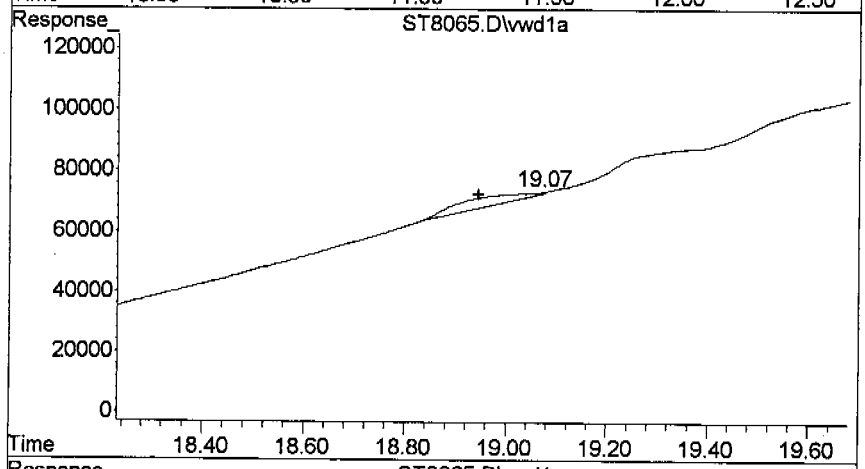






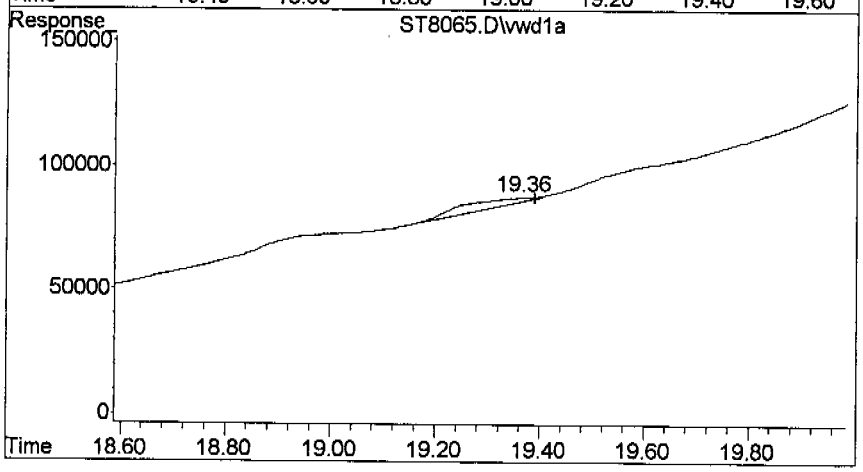
#2 1,2-Dinitrobenzene

R.T.: 10.781 min
Delta R.T.: 0.042 min
Response: 99408428
Conc: 4.68 ug/ml m



#15 o-Nitrotoluene

R.T.: 19.070 min
Delta R.T.: 0.127 min
Response: 304132
Conc: 0.03 ppb m



#16 p-Nitrotoluene

R.T.: 19.363 min
Delta R.T.: -0.026 min
Response: 308009
Conc: 0.02 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9792.D\dad1B.ch Vial: 28
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9792.D\dad1A.ch
Acq On : 21-Aug-2004, 21:41:24 Operator: caobinz
Sample : ~~n74914-4x~~ M41346-4 ✓ 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,980,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:25 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.37	16916189	4.458 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	89.16%

Target Compounds

08/22/04

8/26/04

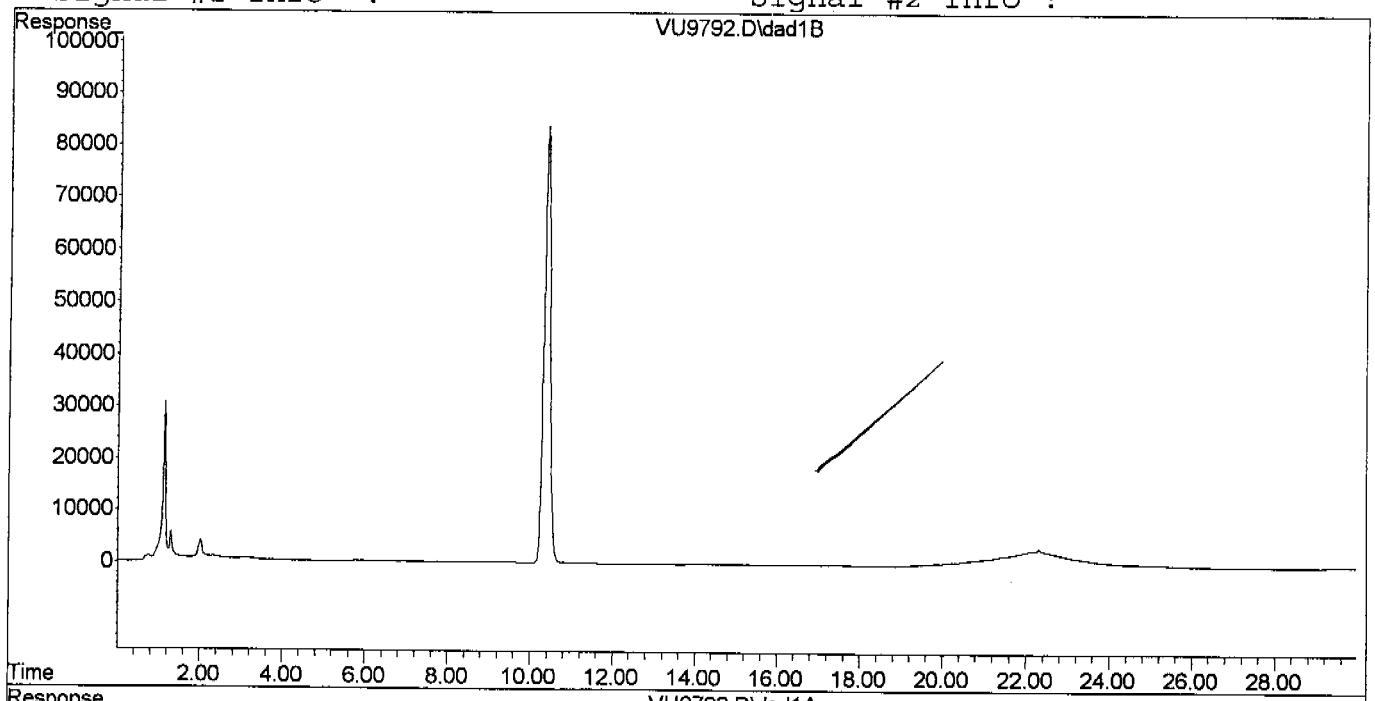
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9792.D EX082004.M Sun Aug 22 10:25:19 2004 GC20PRT Page 1

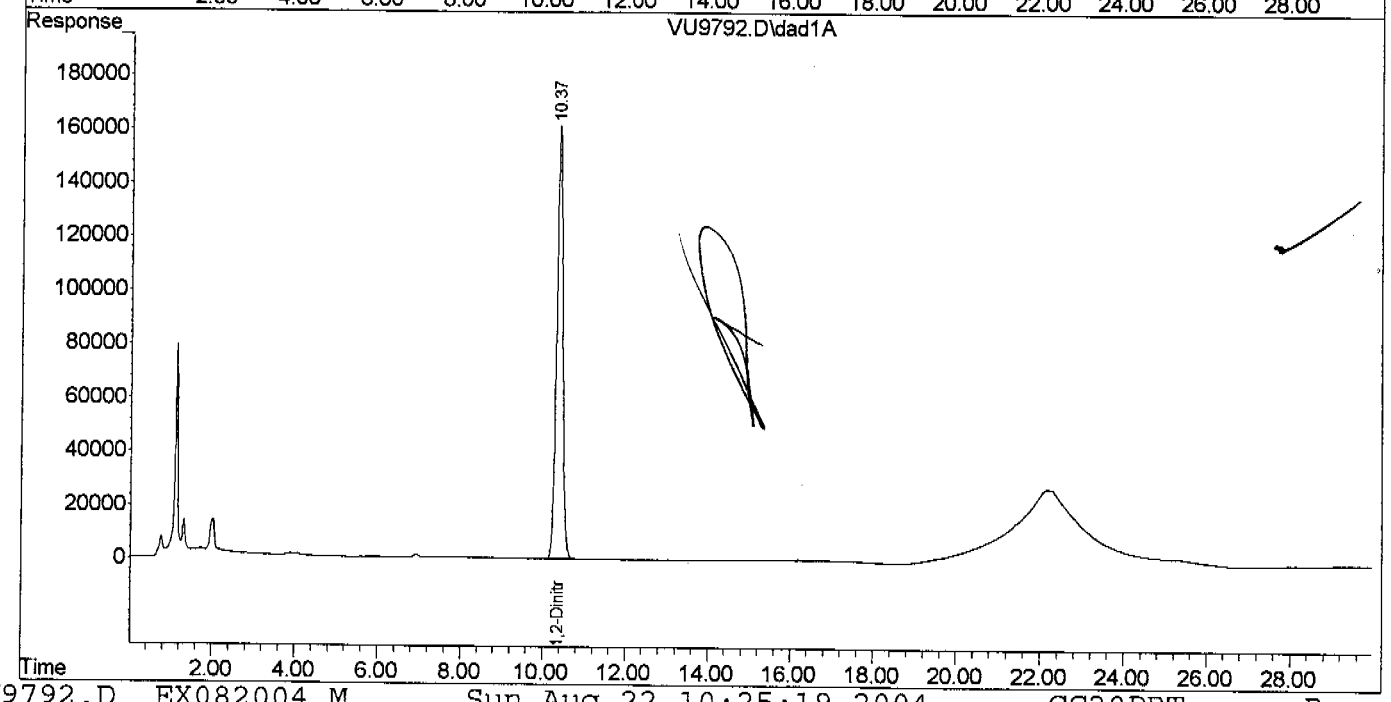
Quantitation Report (QT Reviewed)

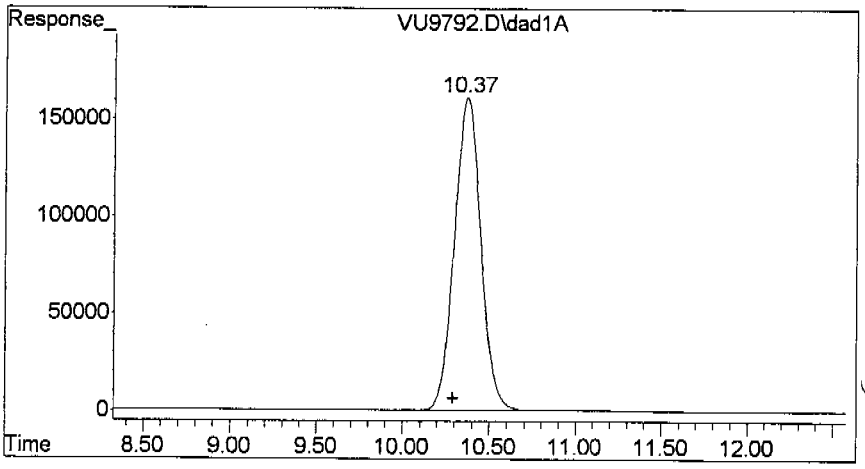
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9792.D\dad1B.ch Vial: 28
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9792.D\dad1A.ch
Acq On : 21-Aug-2004, 21:41:24 Operator: caobinz
Sample : ~~n74914-4x~~ M 41346-4 JH 9/1/04 Inst : G1315A
Misc : op7581,gvu326,980,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:25 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.368 min
Delta R.T.: 0.077 min
Response: 16916189
Conc: 4.46 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8066.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8066.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:11:30 Operator: sonal
Sample : ~~N74914-4x~~ M41346-4/ 24 9/1/04 Inst : FLD
Misc : op7581,gst368,980,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:48 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	93491106	4.404 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	88.08%
Target Compounds			
15) o-Nitrotoluene	18.91 ✓	1293757	0.116 ppb m
16) p-Nitrotoluene	19.27 ✗	1192421	0.091 ppb m

8/21/04

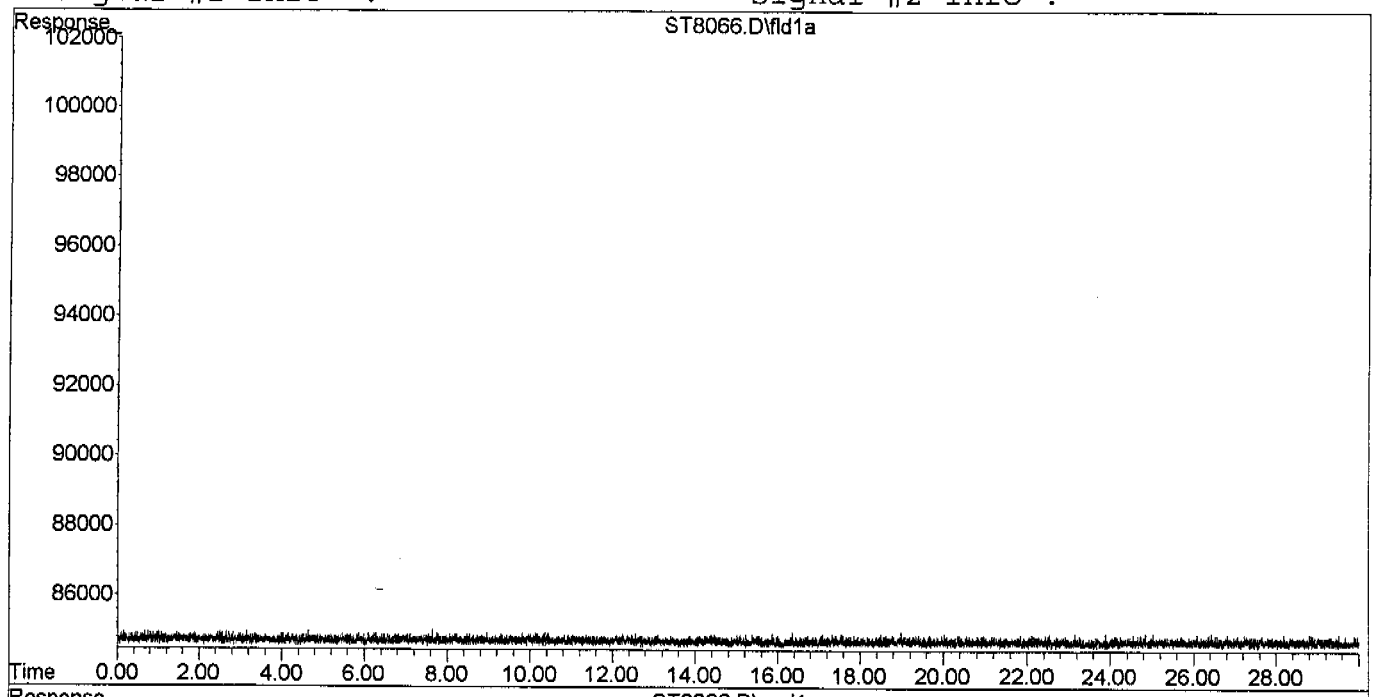
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8066.D EX082004.M Sat Aug 21 18:25:23 2004 GC20PRT Page 1

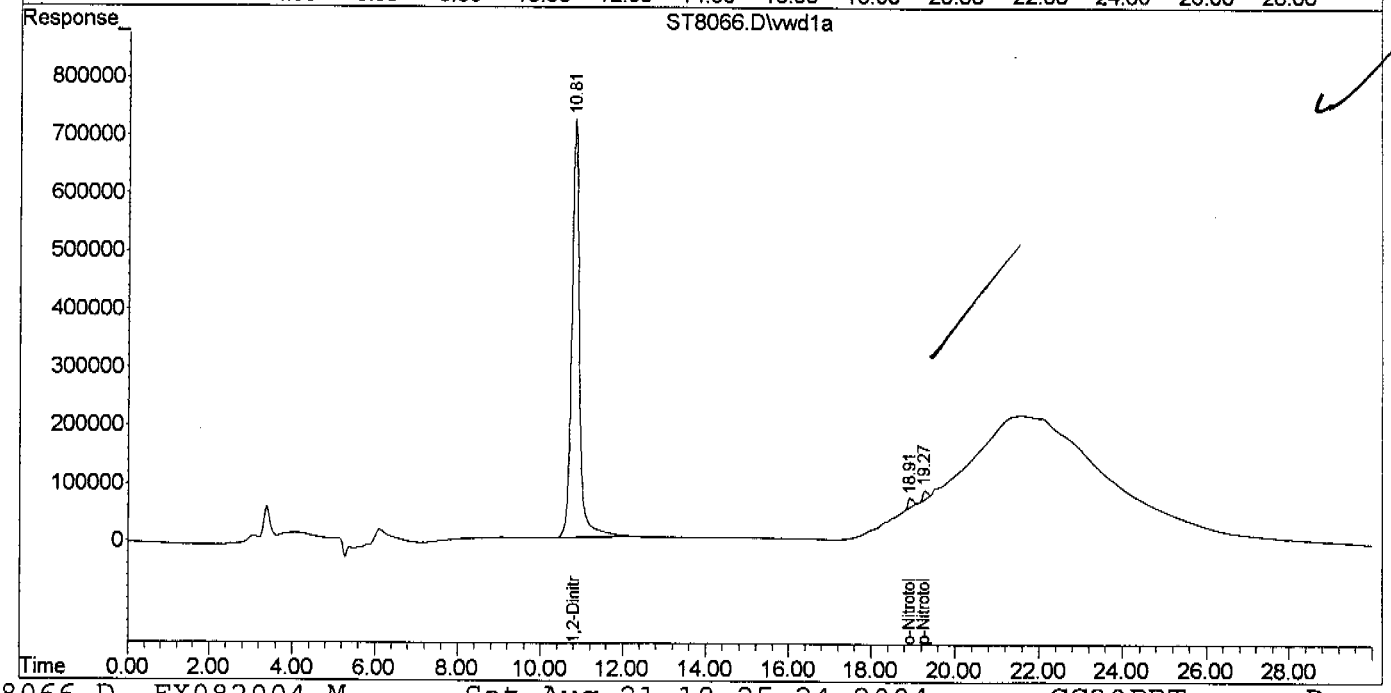
Quantitation Report (QT Reviewed)

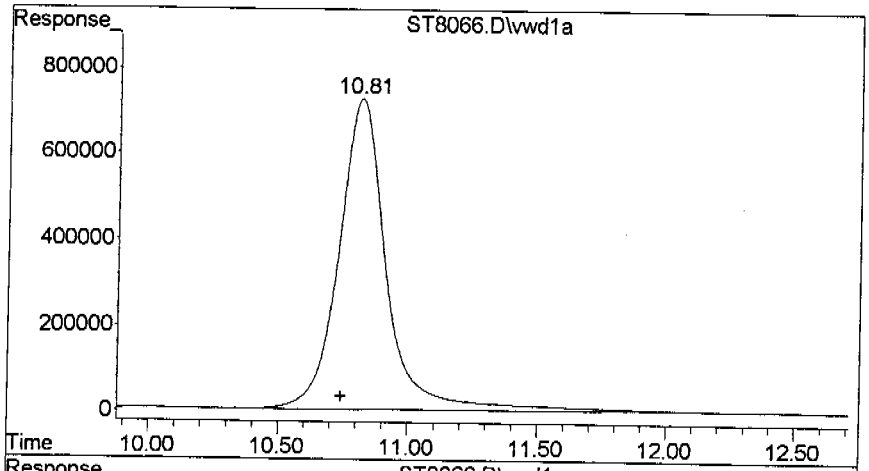
Signal #1 : D:\HPLC1\DATA\082004A\ST8066.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8066.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:11:30 Operator: sonal
Sample : ~~N74914-4x~~ N41346-4 . 2/7 9/1/04 Inst : FLD
Misc : op7581,gst368,980,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:48 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

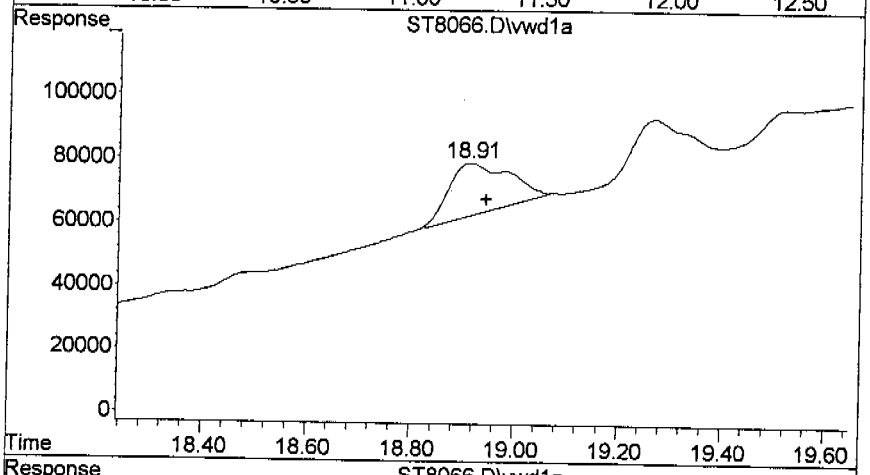






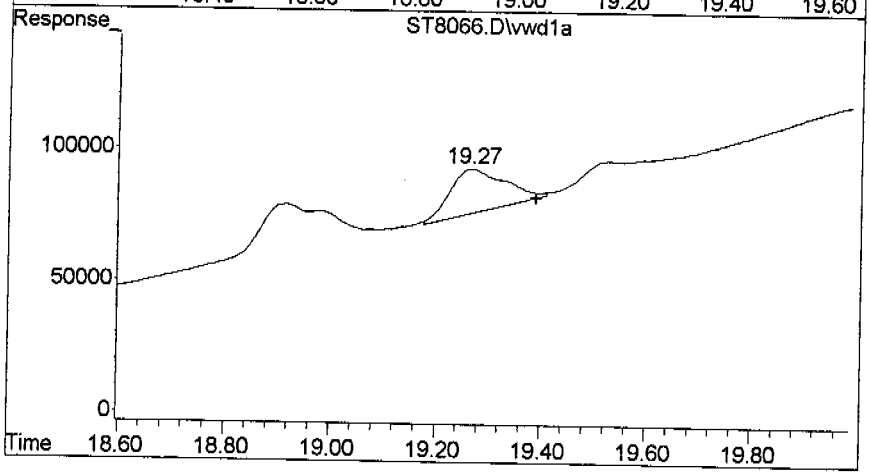
#2 1,2-Dinitrobenzene

R.T.: 10.812 min
Delta R.T.: 0.073 min
Response: 93491106
Conc: 4.40 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.913 min
Delta R.T.: -0.030 min
Response: 1293757
Conc: 0.12 ppb m



#16 p-Nitrotoluene

R.T.: 19.267 min
Delta R.T.: -0.123 min
Response: 1192421
Conc: 0.09 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9793.D\dad1B.ch Vial: 29
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9793.D\dad1A.ch
Acq On : 21-Aug-2004, 22:13:18 Operator: caobinz
Sample : ~~n74914-5x~~ n41346-5 JM 9/1/04 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:25 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.36	17310351	4.562 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	91.24%
Target Compounds			

08/22/04

9/2/04

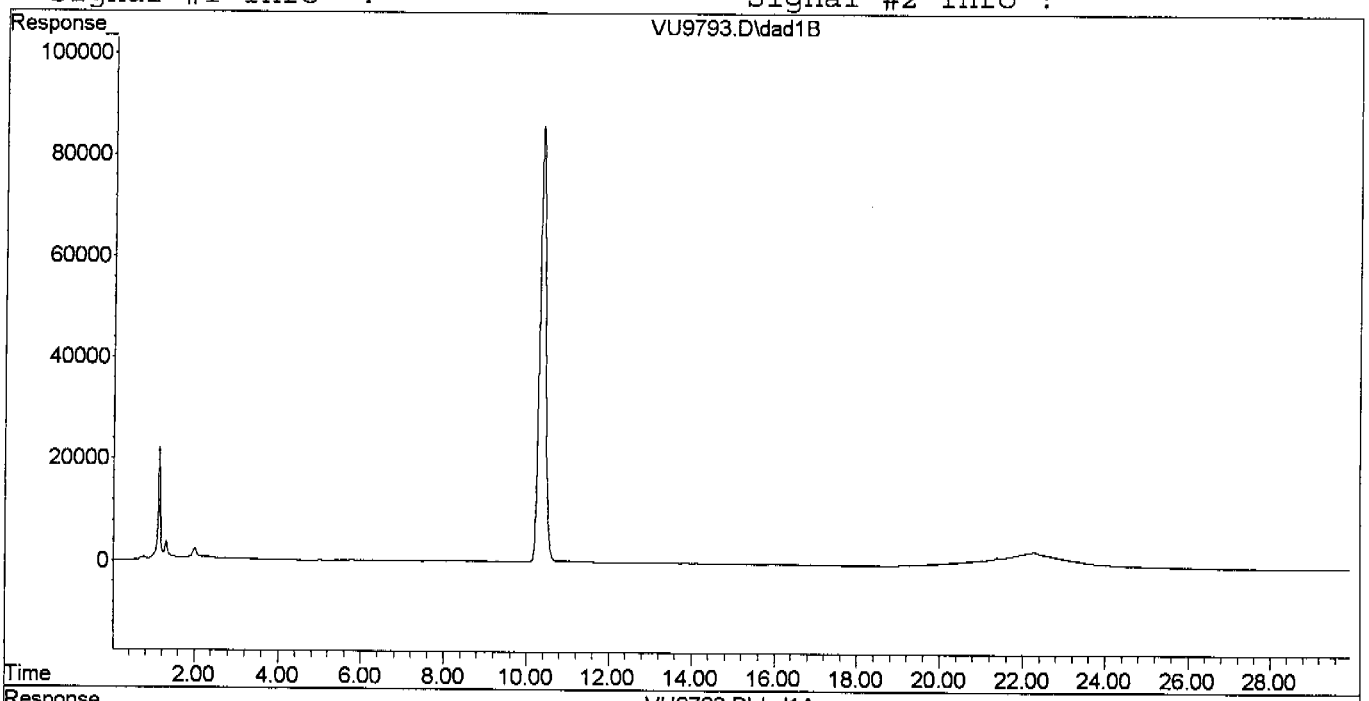
(f)=RT Delta > 1/2 Window (m)=manual int.

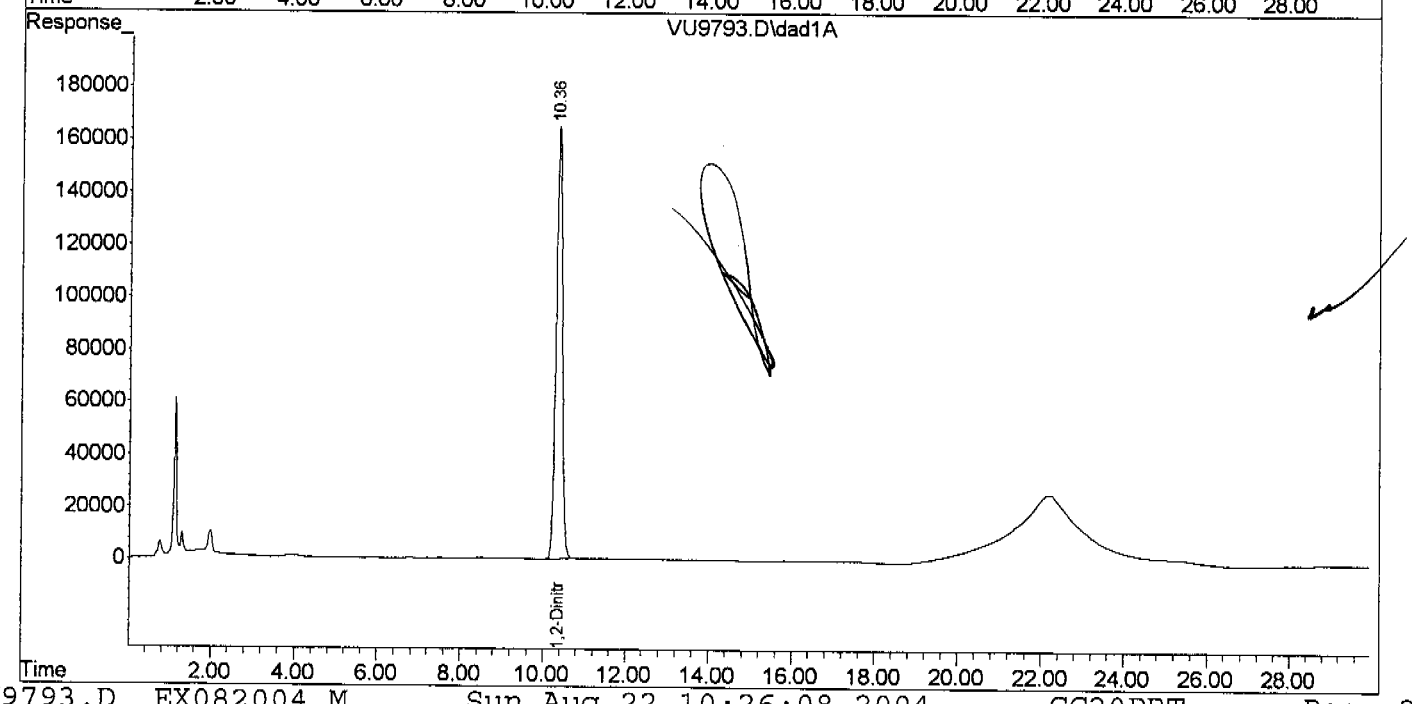
Quantitation Report (QT Reviewed)

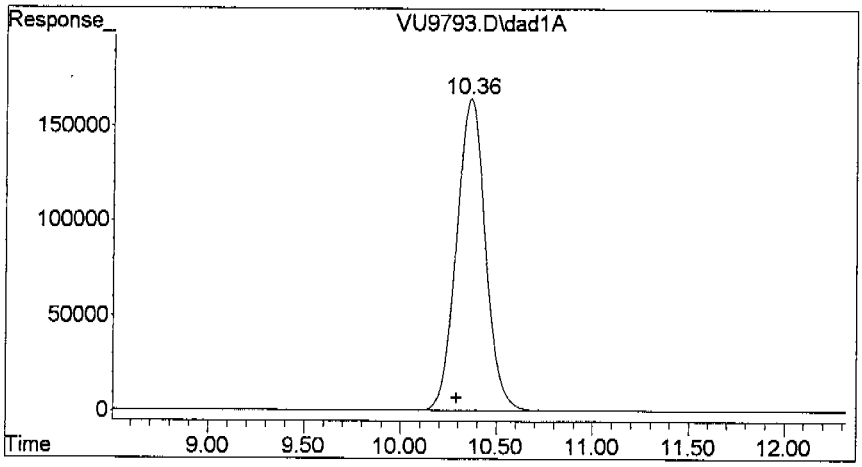
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9793.D\dad1B.ch Vial: 29
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9793.D\dad1A.ch
Acq On : 21-Aug-2004, 22:13:18 Operator: caobinz
Sample : ~~n74914-5x~~ M41346-5, 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:25 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.358 min
Delta R.T.: 0.068 min
Response: 17310351
Conc: 4.56 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8067.D\fld1a.ch Vial: 19
Signal #2 : D:\HPLC1\DATA\082004A\ST8067.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:42:10 Operator: sonal
Sample : ~~N74914-5x~~ M41346-5 JM 9/1/04 Inst : FLD
Misc : op7581,gst368,930,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:50 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	95903959	4.518 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	90.36%
Target Compounds			
15) o-Nitrotoluene	18.91 ✓	1465272	0.131 ppb m
16) p-Nitrotoluene	19.26 X	1192388	0.091 ppb m

08/22/04

8/22/04

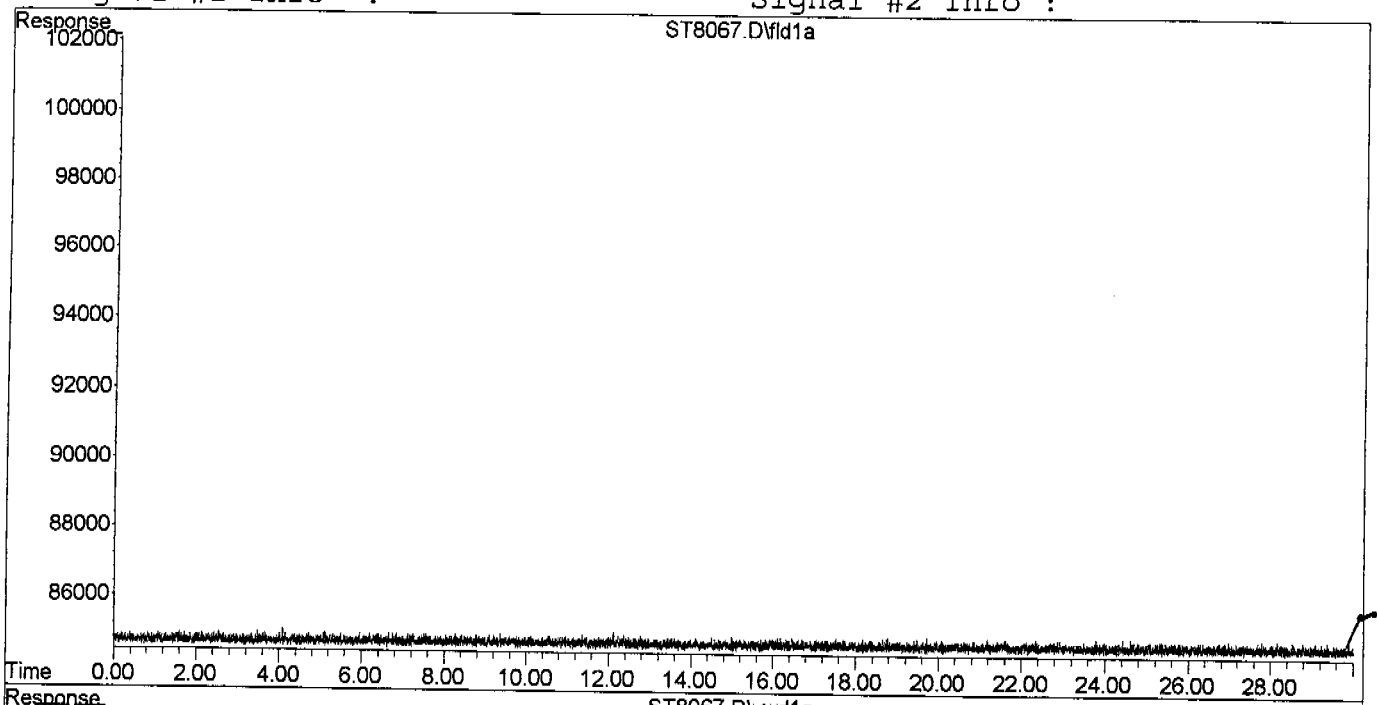
(f)=RT Delta > 1/2 Window (m)=manual int.

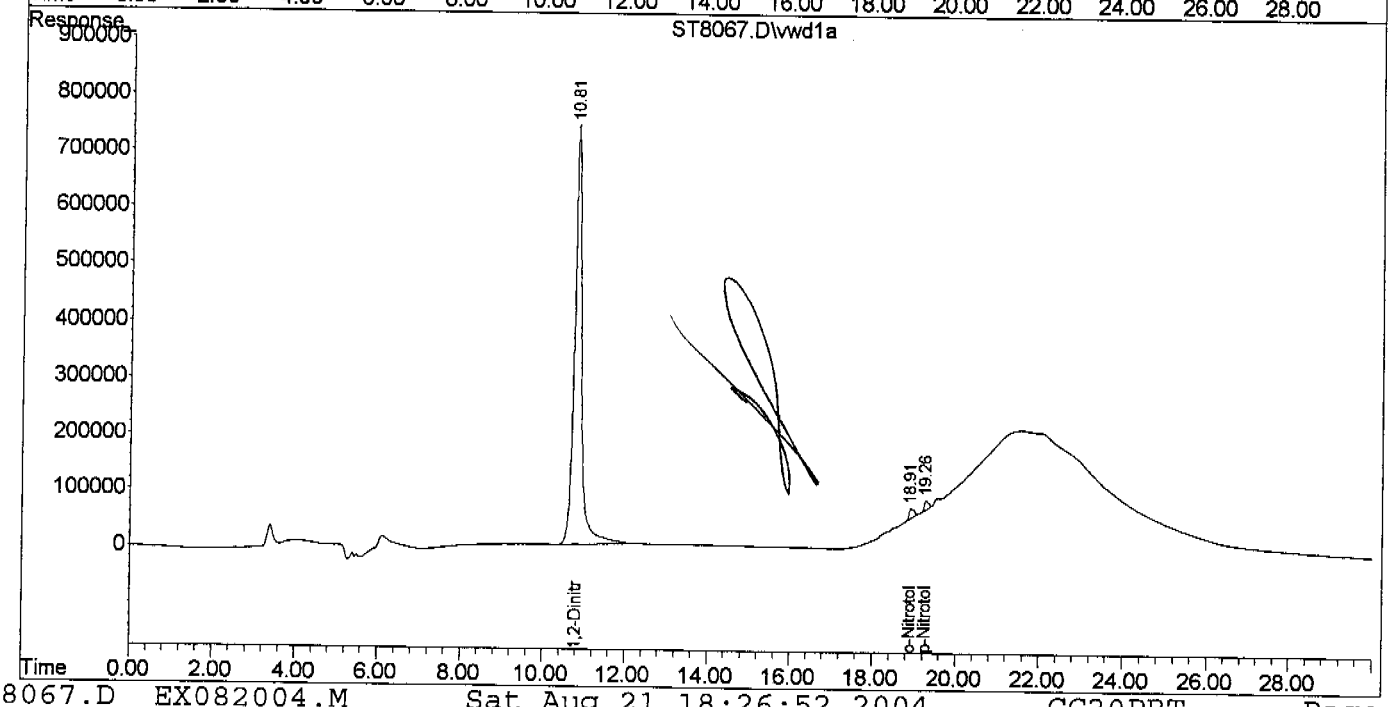
Quantitation Report (QT Reviewed)

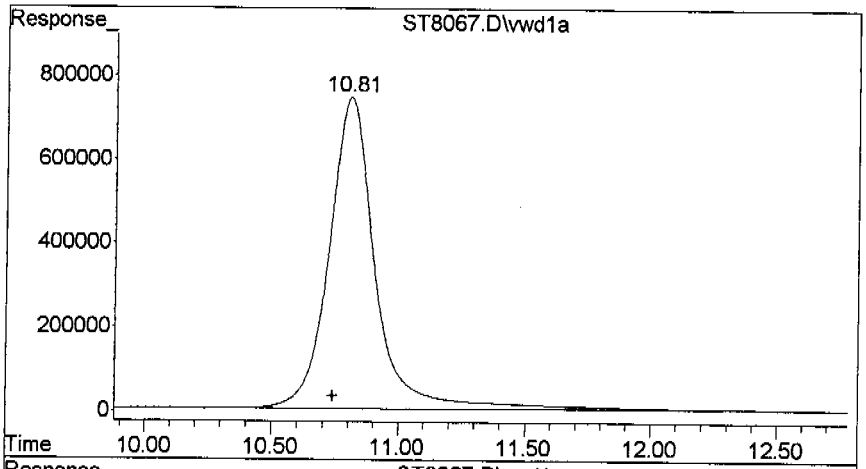
Signal #1 : D:\HPLC1\DATA\082004A\ST8067.D\fld1a.ch Vial: 19
Signal #2 : D:\HPLC1\DATA\082004A\ST8067.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:42:10 Operator: sonal
Sample : ~~N74914-5x~~ M41346-5. 2M 9/1/04 Inst : FLD
Misc : op7581,gst368,930,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:50 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

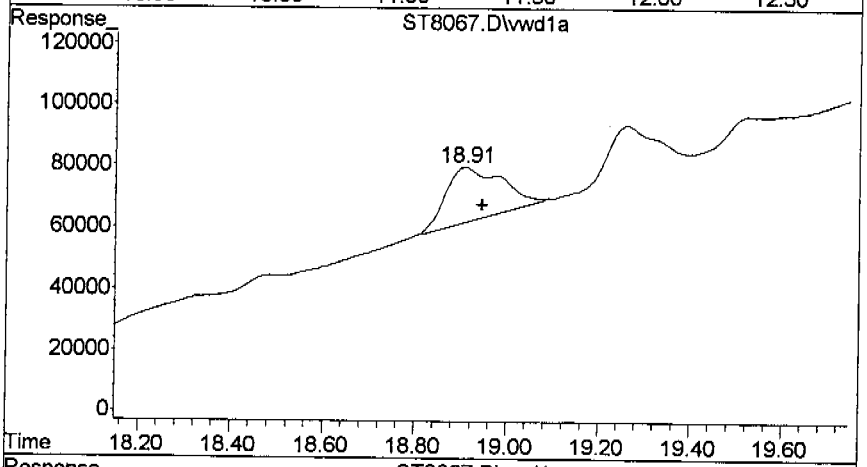






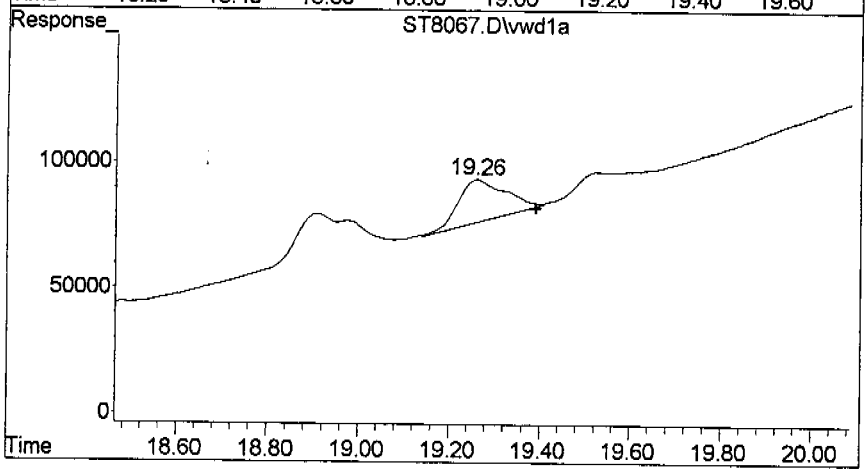
#2 1,2-Dinitrobenzene

R.T.: 10.805 min
Delta R.T.: 0.066 min
Response: 95903959
Conc: 4.52 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.907 min
Delta R.T.: -0.037 min
Response: 1465272
Conc: 0.13 ppb m



#16 p-Nitrotoluene

R.T.: 19.257 min
Delta R.T.: -0.133 min
Response: 1192388
Conc: 0.09 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9794.D\dad1B.ch Vial: 30
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9794.D\dad1A.ch
Acq On : 21-Aug-2004, 22:45:18 Operator: caobinz
Sample : ~~n74914-6x~~ M41346-6 , 2M 8/1/04 Inst : G1315A
Misc : op7581,gvu326,920,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:26 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.28	17771506	4.684 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	93.68%
Target Compounds			

08/22/04

8/22/04

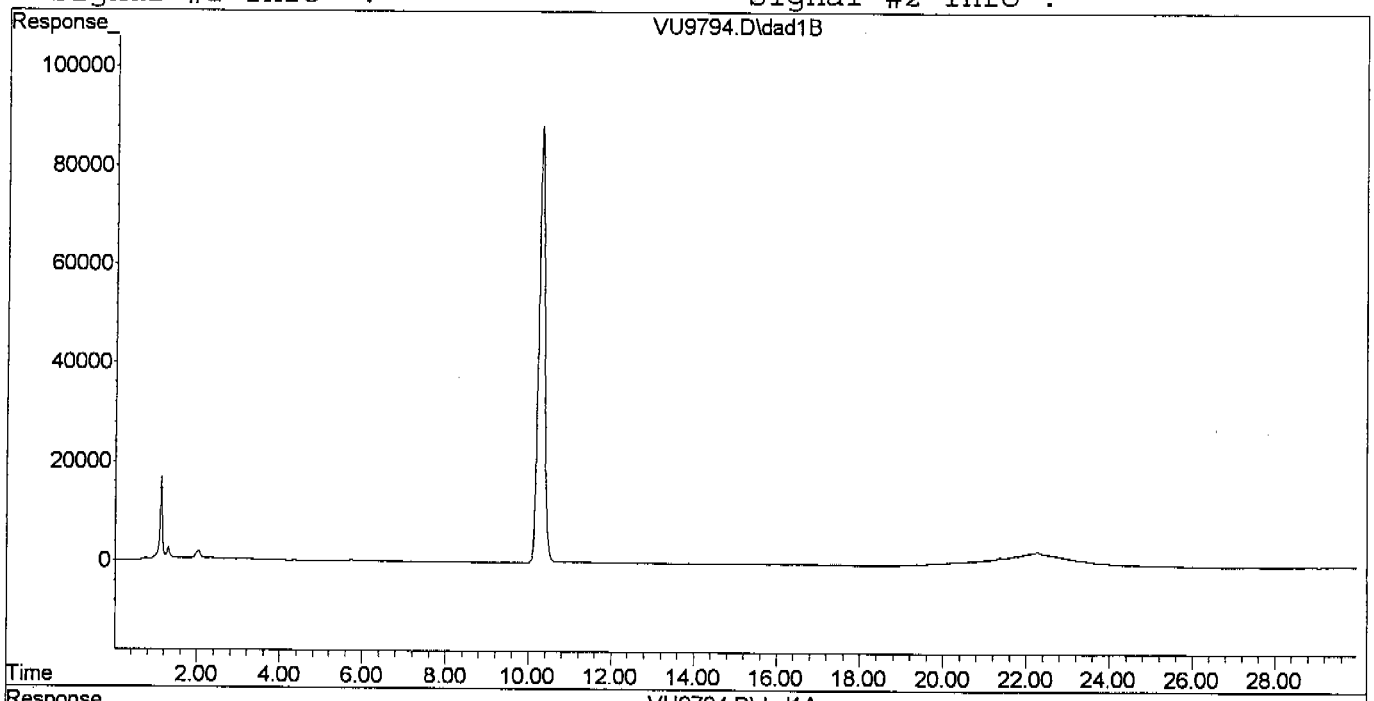
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9794.D EX082004.M Sun Aug 22 10:26:56 2004 GC20PRT Page 1

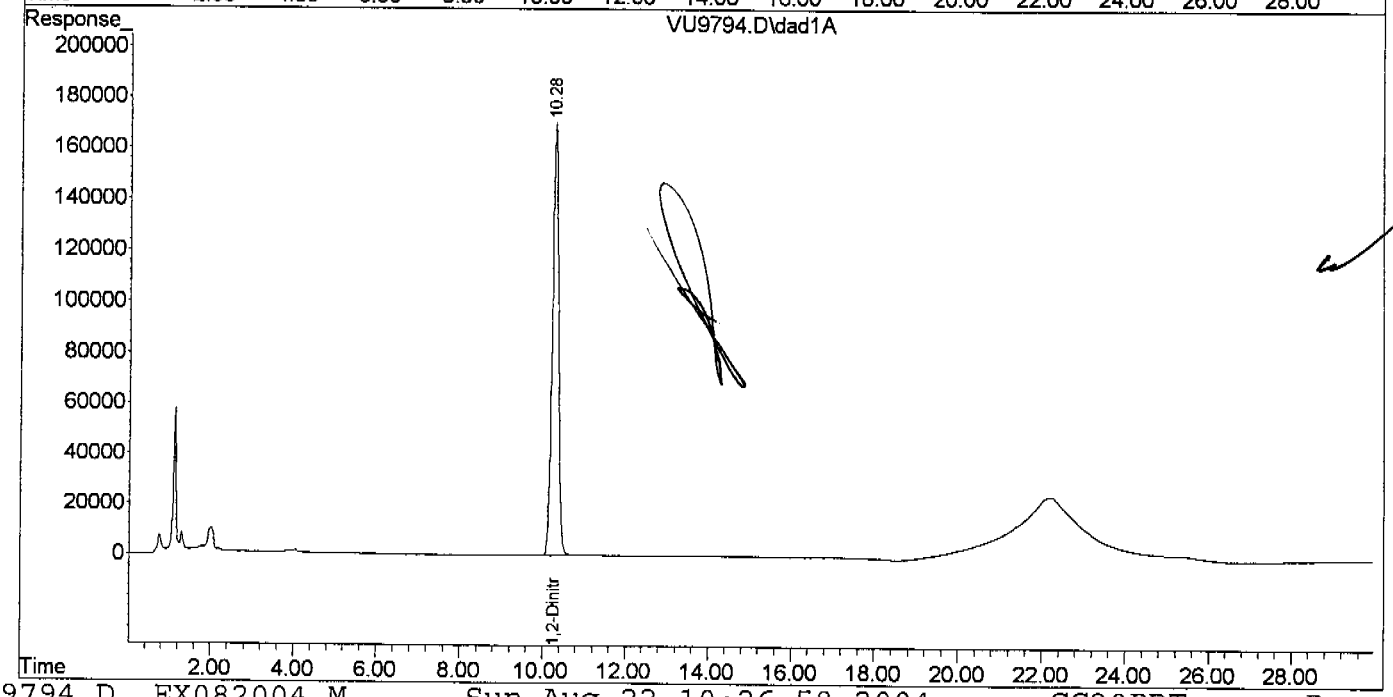
Quantitation Report (QT Reviewed)

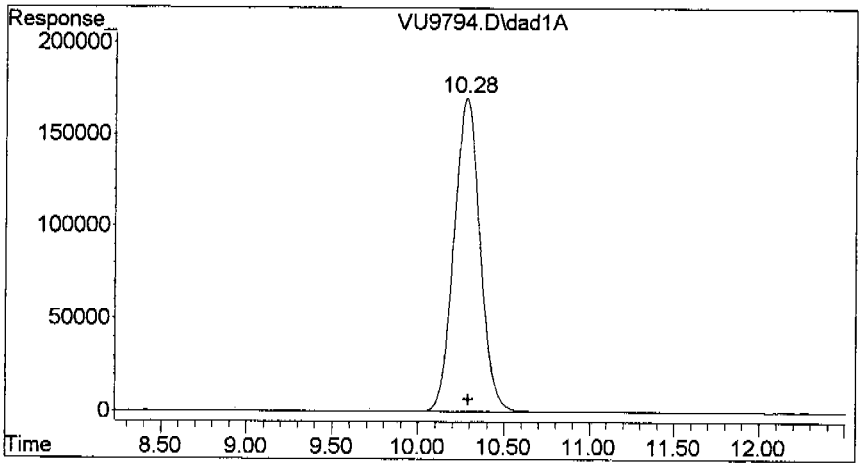
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9794.D\dad1B.ch Vial: 30
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9794.D\dad1A.ch
Acq On : 21-Aug-2004, 22:45:18 Operator: caobinz
Sample : ~~n74914-6x~~ M41346-6 . 2m 9/1/.p Inst : G1315A
Misc : op7581,gvu326,920,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:26 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.278 min
Delta R.T.: -0.013 min
Response: 17771506
Conc: 4.68 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8068.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8068.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:12:51 Operator: sonal
Sample : ~~N74914-6x~~ N41346-6. 2n 9/1/4 Inst : FLD
Misc : op7581,gst368,920,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:51 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.82	98638571	4.647 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	92.94%
Target Compounds			
15) o-Nitrotoluene	18.91 ✓	1446225	0.130 ppb m
16) p-Nitrotoluene	19.27 X	1186074	0.090 ppb m

8/22/04

S

08/22/04

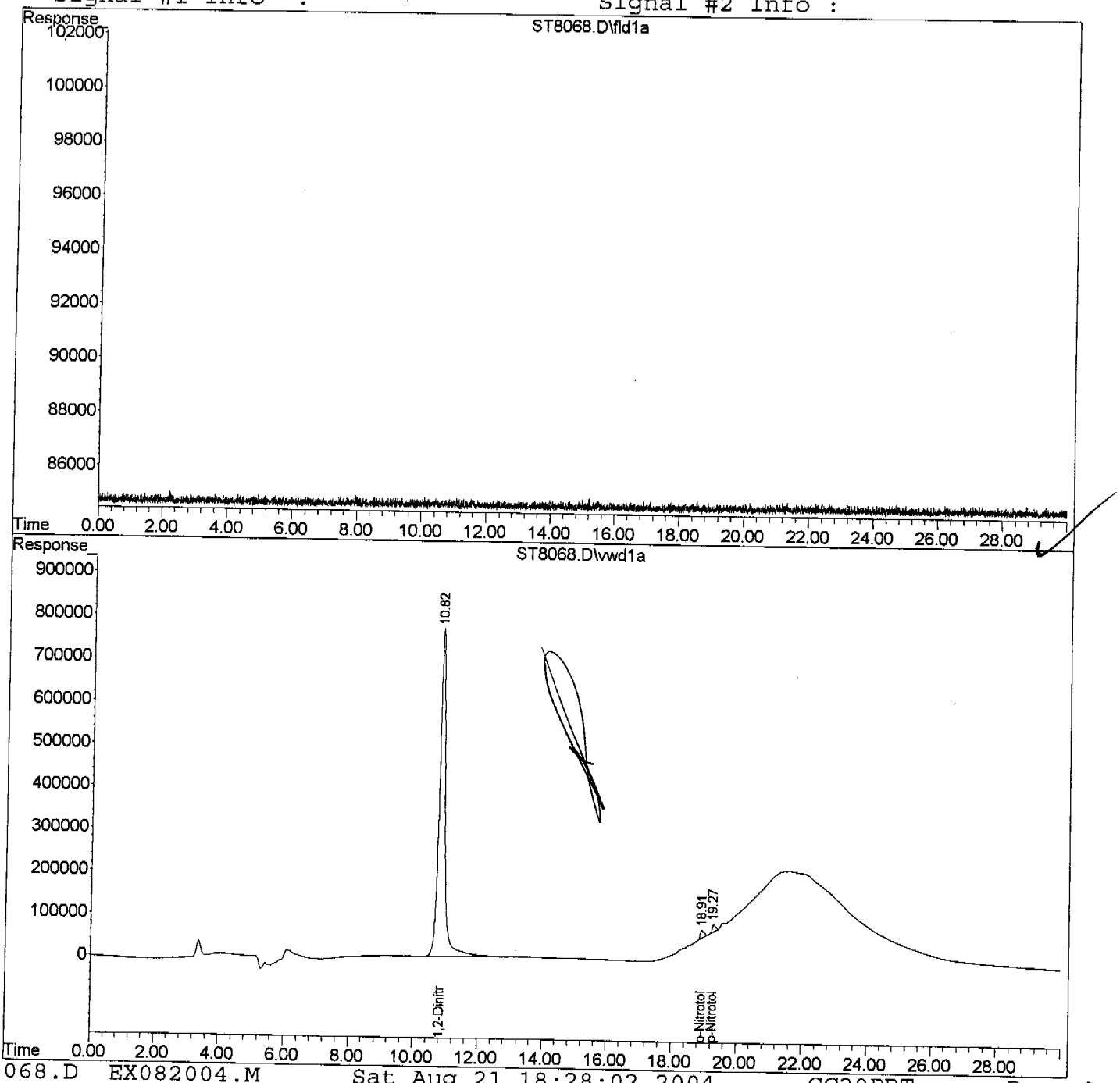
(f)=RT Delta > 1/2 Window (m)=manual int.

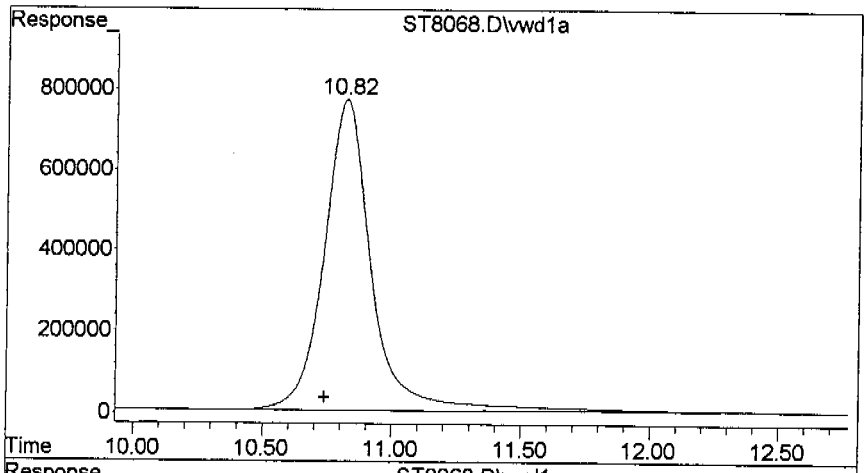
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8068.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8068.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:12:51 Operator: sonal
Sample : ~~N74914-6x~~ M41346-6 , 2M 9/1/04 Inst : FLD
Misc : op7581,gst368,920,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:51 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

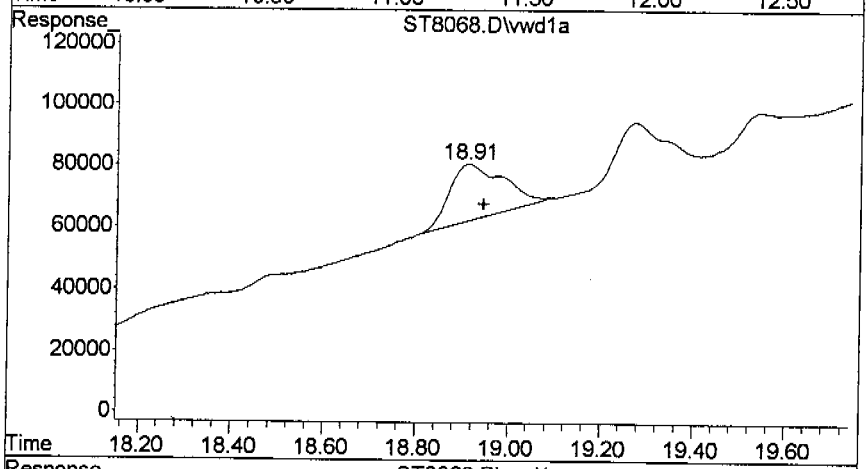
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





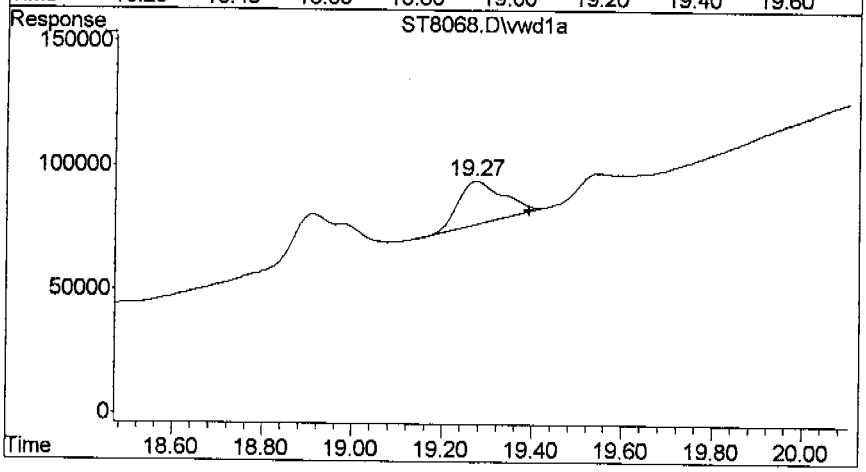
#2 1,2-Dinitrobenzene

R.T.: 10.819 min
Delta R.T.: 0.080 min
Response: 98638571
Conc: 4.65 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.910 min
Delta R.T.: -0.033 min
Response: 1446225
Conc: 0.13 ppb m



#16 p-Nitrotoluene

R.T.: 19.270 min
Delta R.T.: -0.120 min
Response: 1186074
Conc: 0.09 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9797.D\dad1B.ch Vial: 31
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9797.D\dad1A.ch
Acq On : 22-Aug-2004, 00:21:11 Operator: caobinz
Sample : ~~n74914-7x~~ H4346-7 JH 9/1/04 Inst : G1315A
Misc : op7581,gvu326,900,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:30 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.18	16631293	4.383 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	87.66%
Target Compounds			

08/22/04

H 22-04

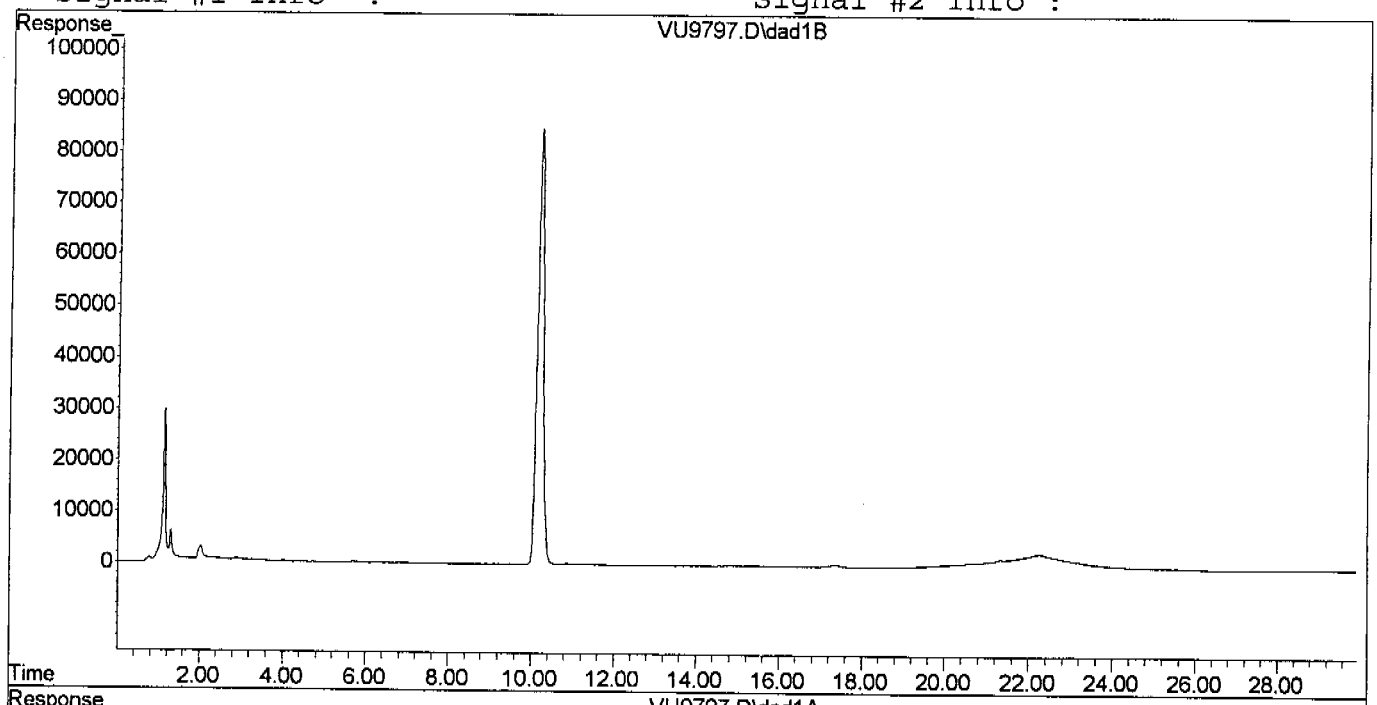
(f)=RT Delta > 1/2 Window (m)=manual int.

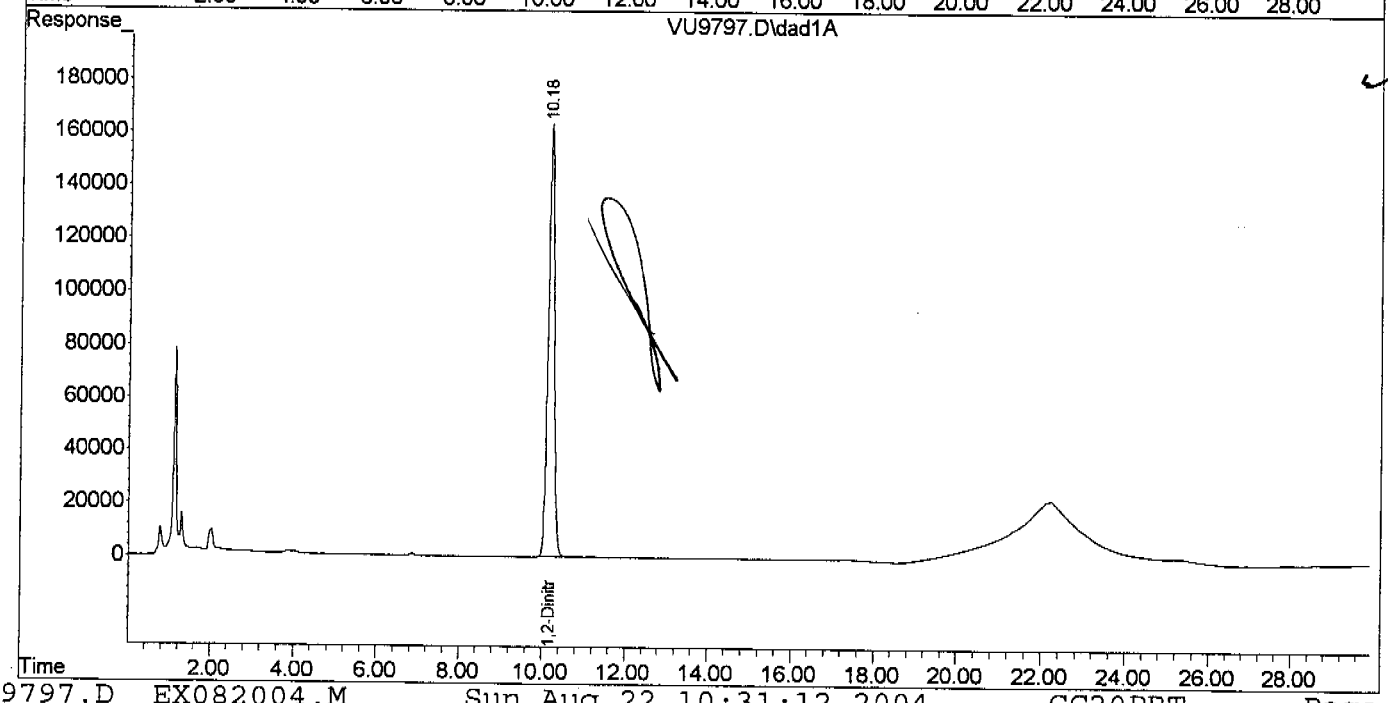
Quantitation Report (QT Reviewed)

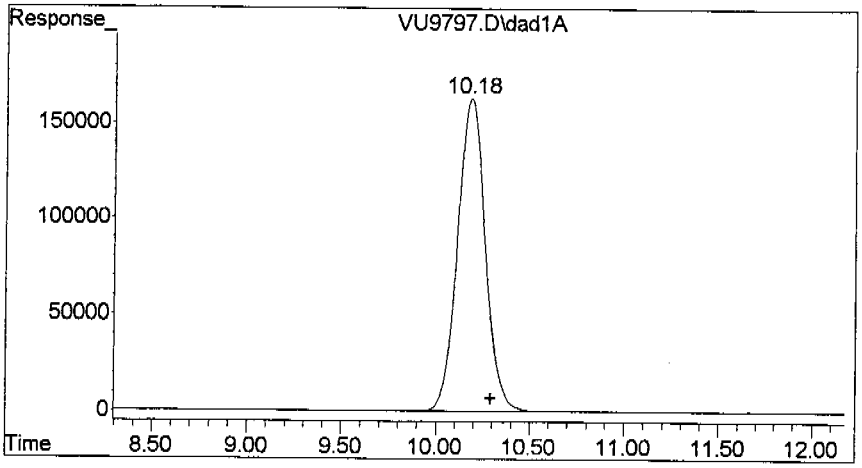
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9797.D\dad1B.ch Vial: 31
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9797.D\dad1A.ch
Acq On : 22-Aug-2004, 00:21:11 Operator: caobinz
Sample : ~~n74914-7x~~ M4134 6-7 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,900,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:30 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.180 min
Delta R.T.: -0.110 min
Response: 16631293
Conc: 4.38 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8069.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8069.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:43:32 Operator: sonal
Sample : ~~N74914-7x~~ M41346-7 21/8/04 Inst : FLD
Misc : op7581,gst368,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:54 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.82	92532699	4.359 ug/mlm
Spiked Amount 5.000	Range 16 - 141	Recovery =	87.18%
Target Compounds			
15) o-Nitrotoluene	18.97	242433	0.022 ppb m
16) p-Nitrotoluene	19.31	475051	0.036 ppb m

8/22/04

08/22/04

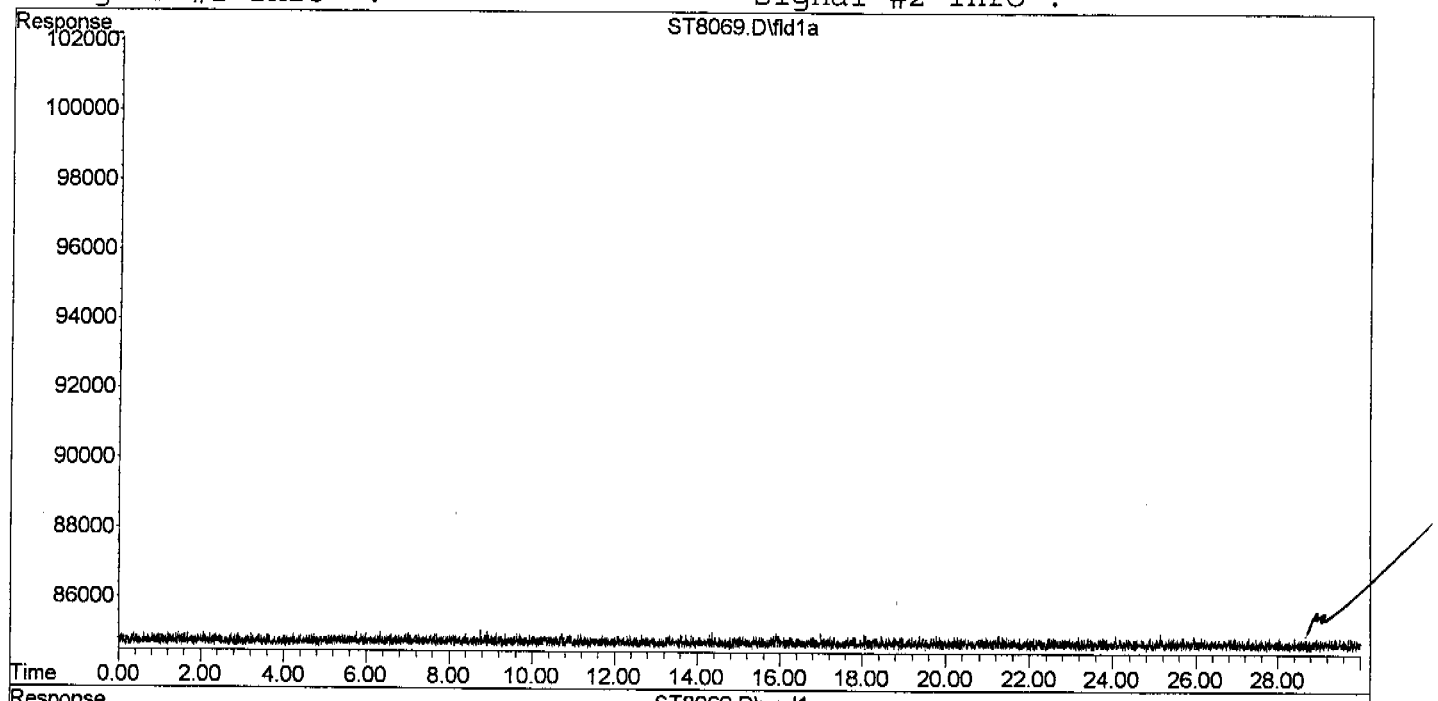
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8069.D EX082004.M Sat Aug 21 15:59:25 2004 GC20PRT Page 1

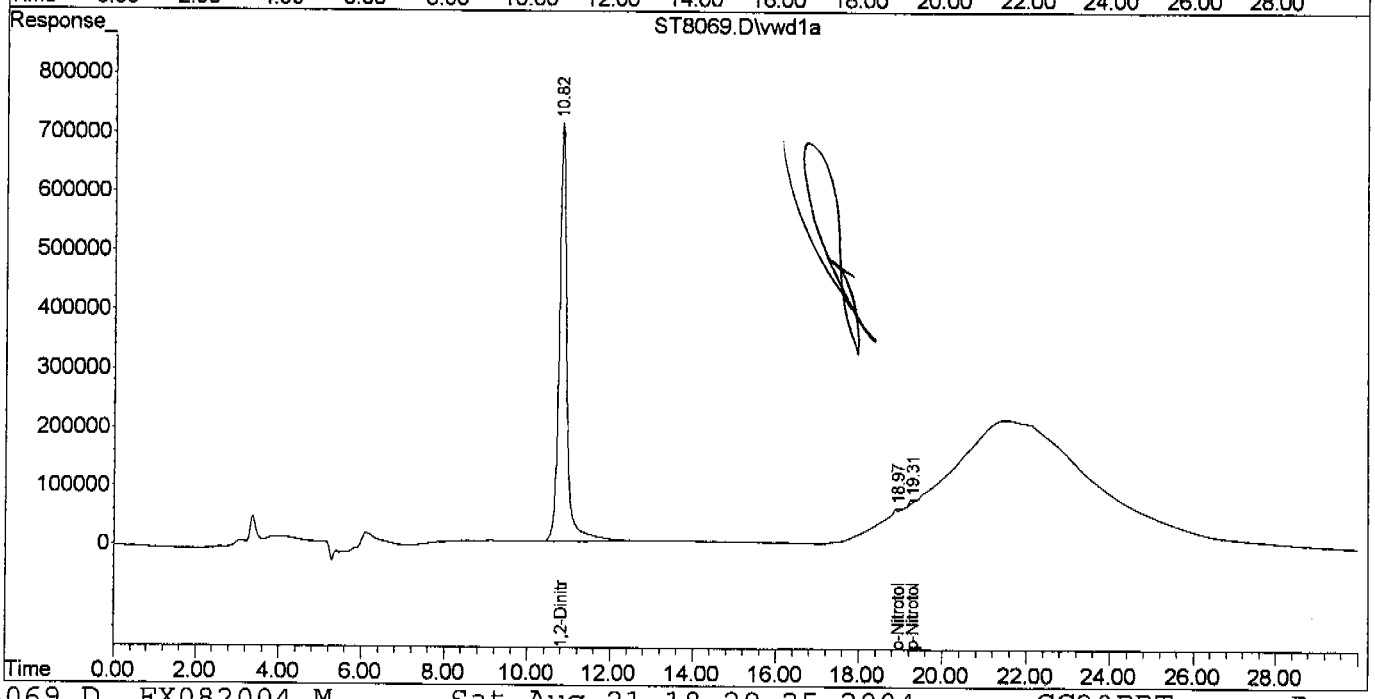
Quantitation Report (QT Reviewed)

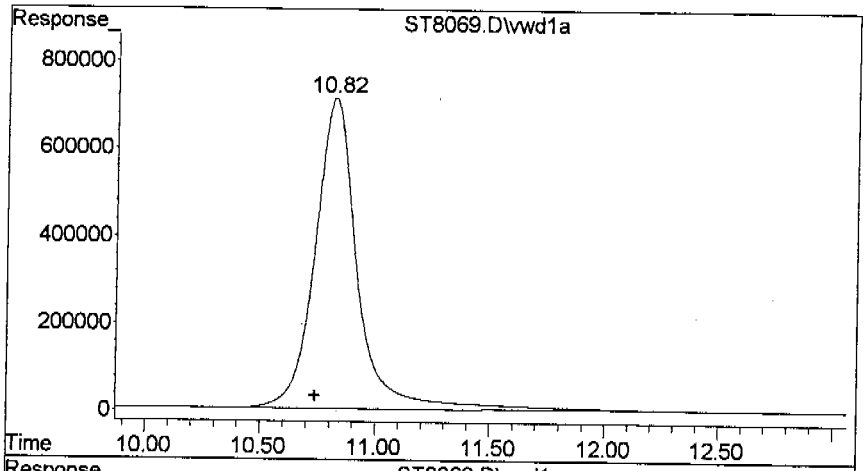
Signal #1 : D:\HPLC1\DATA\082004A\ST8069.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8069.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:43:32 Operator: sonal
Sample : N74914-7x Inst : FLD
Misc : op7581,gst368,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:54 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

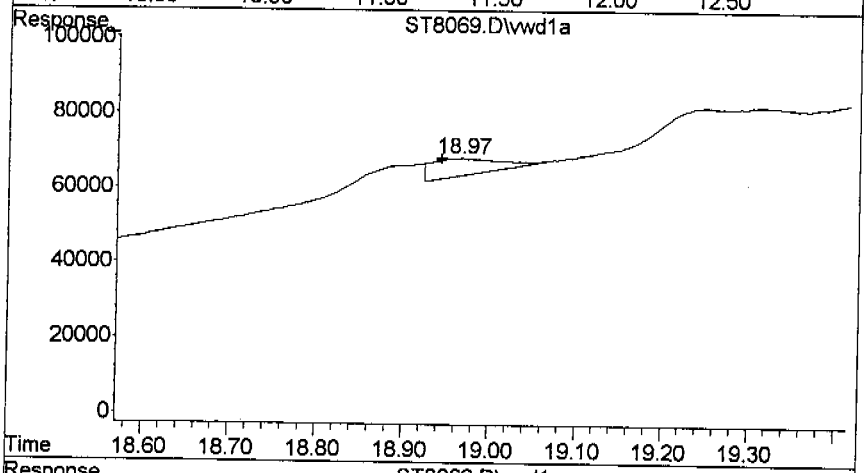






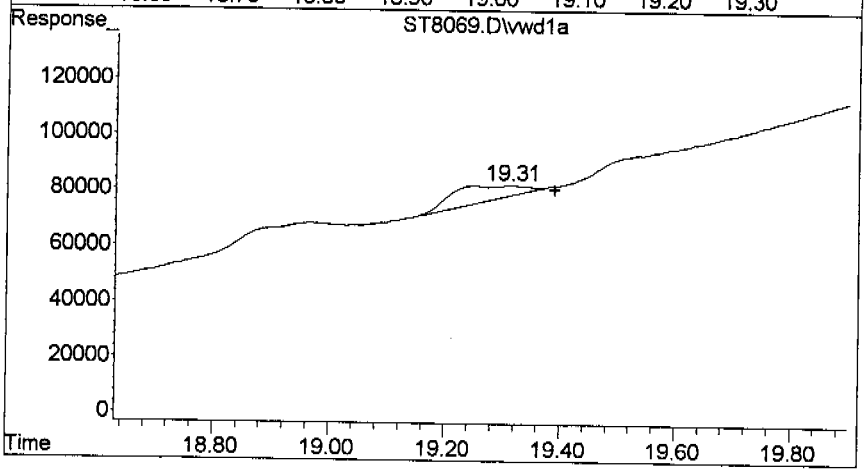
#2 1,2-Dinitrobenzene

R.T.: 10.818 min
Delta R.T.: 0.079 min
Response: 92532699
Conc: 4.36 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.967 min
Delta R.T.: 0.023 min
Response: 242433
Conc: 0.02 ppb m



#16 p-Nitrotoluene

R.T.: 19.313 min
Delta R.T.: -0.076 min
Response: 475051
Conc: 0.04 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9798.D\dad1B.ch Vial: 32
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9798.D\dad1A.ch
Acq On : 22-Aug-2004, 00:53:07 Operator: caobinz
Sample : ~~n74914-9x~~ M413469 ✓ 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,870,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:31 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.25	15411841	4.062 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	81.24%
Target Compounds			

08/22/04

8/22/04

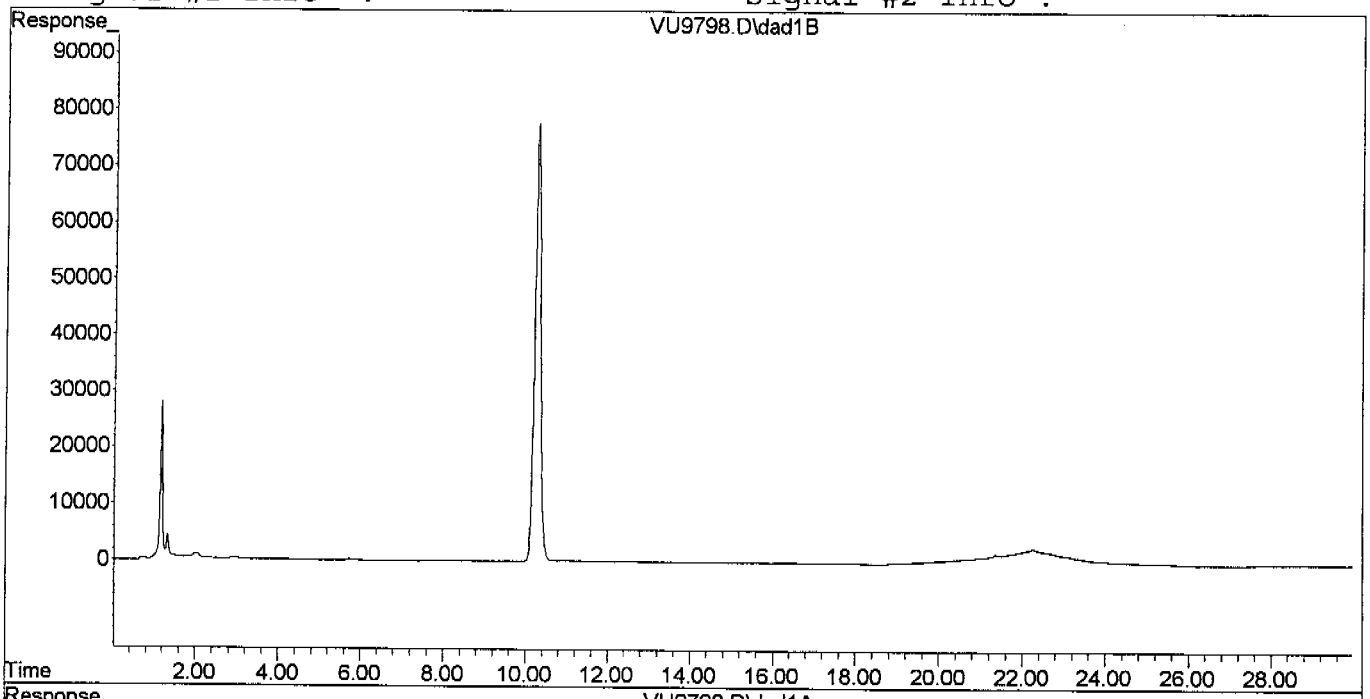
(f)=RT Delta > 1/2 Window (m)=manual int.

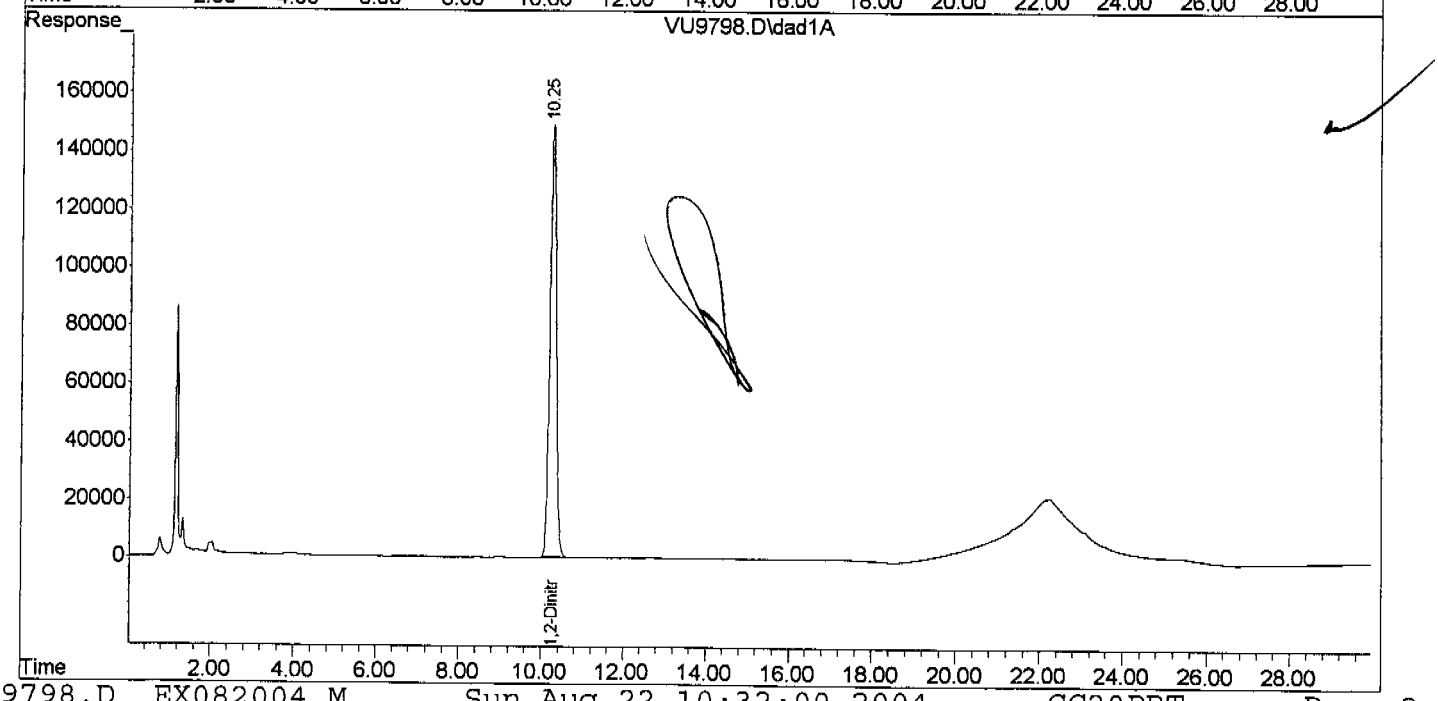
Quantitation Report (QT Reviewed)

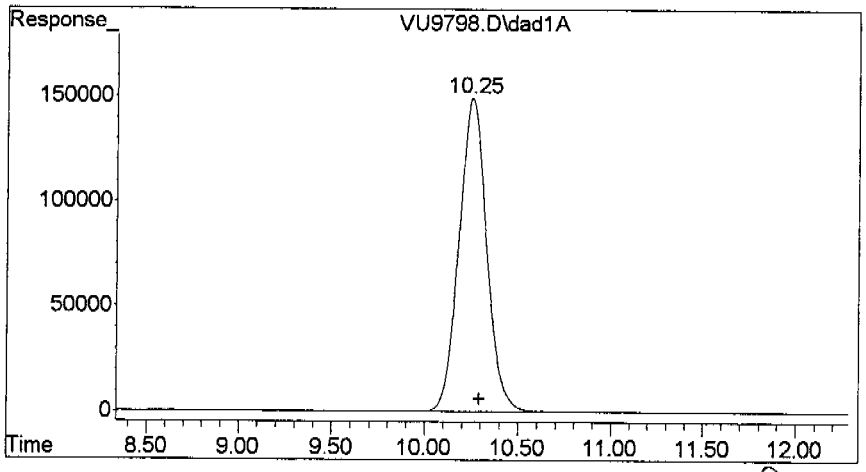
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9798.D\dad1B.ch Vial: 32
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9798.D\dad1A.ch
Acq On : 22-Aug-2004, 00:53:07 Operator: caobinz
Sample : ~~n74914-9x~~ n 41346-9 . 2 r 9/1/04 Inst : G1315A
Misc : op7581,gvu326,870,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:31 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.250 min
Delta R.T.: -0.041 min
Response: 15411841
Conc: 4.06 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8070.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8070.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:14:10 Operator: sonal
Sample : ~~N74914-9x~~ N41346-9.2ls 9/1/04 Inst : FLD
Misc : op7581,gst368,870,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:55 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	86111066	4.057 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	81.14%
Target Compounds			
15) o-Nitrotoluene	18.96 ✓	483431	0.043 ppb m
16) p-Nitrotoluene	19.30 ✓	457728	0.035 ppb m

08/22/04

8/22/04

S

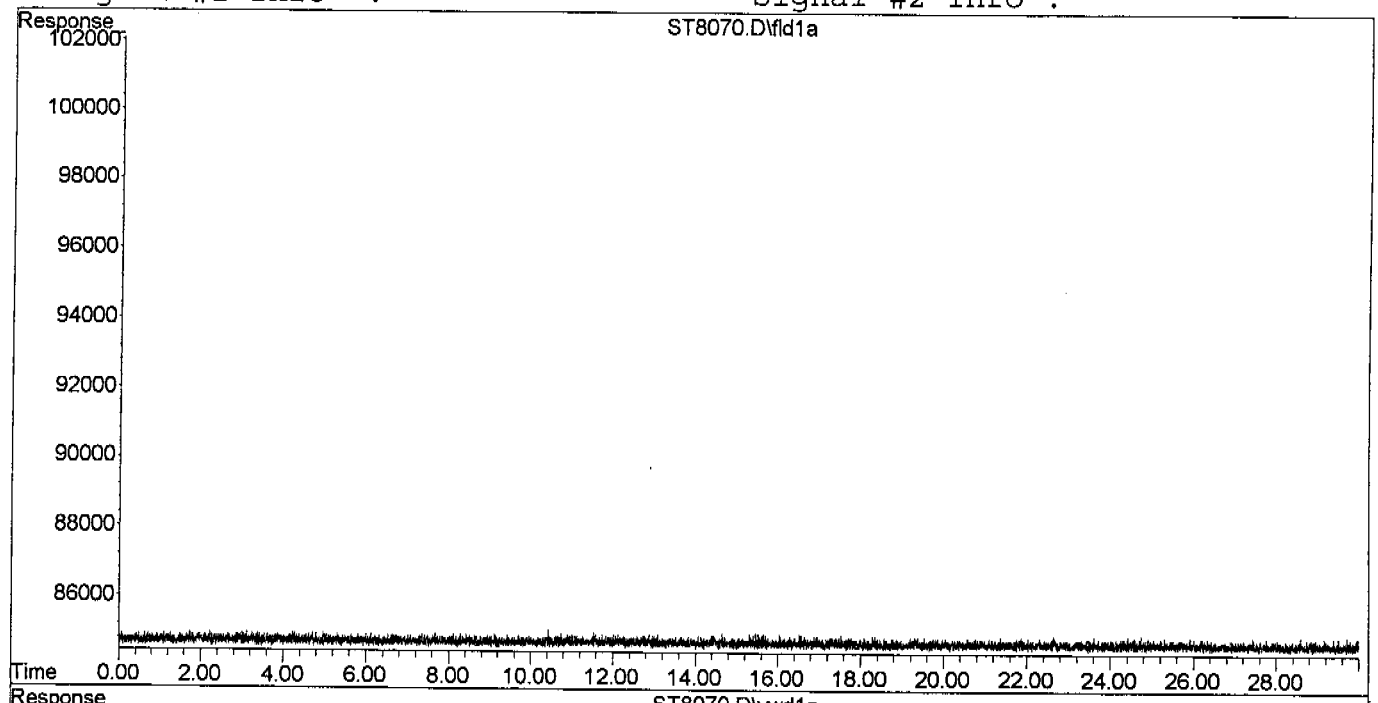
(f)=RT Delta > 1/2 Window (m)=manual int.

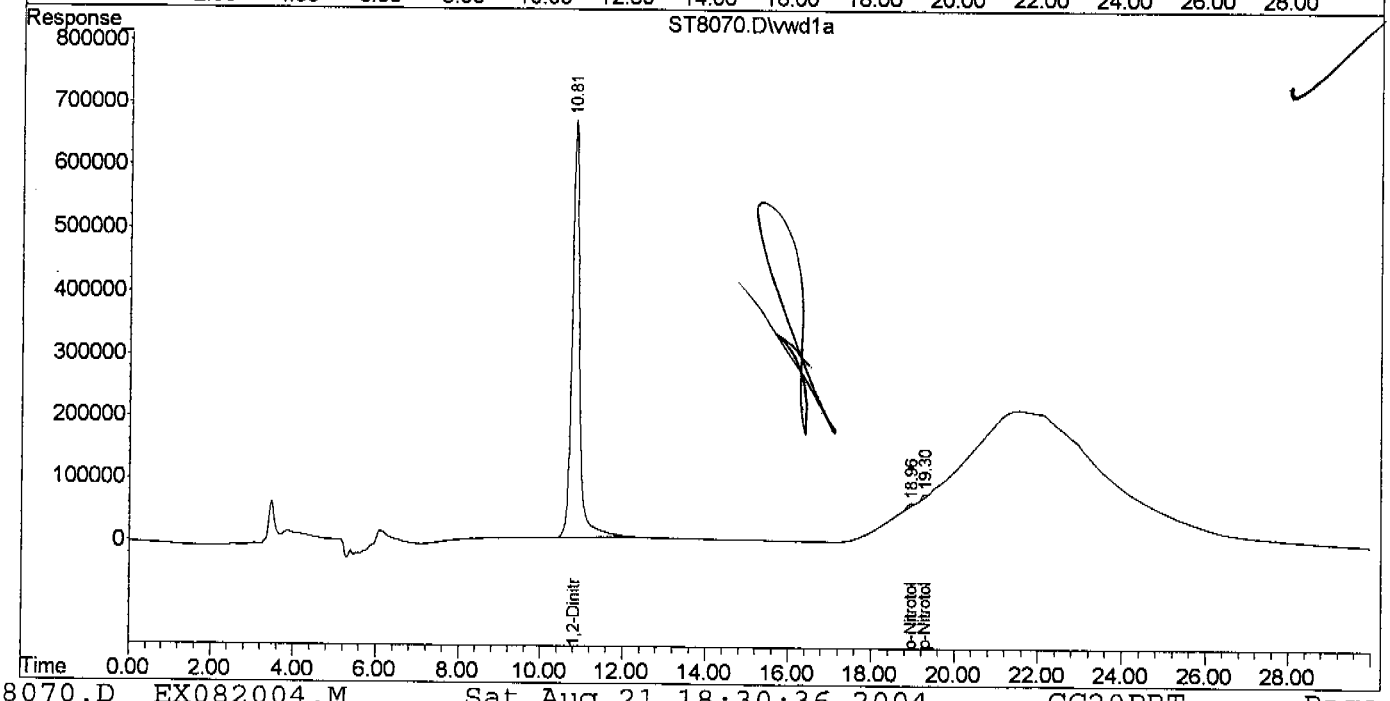
Quantitation Report (QT Reviewed)

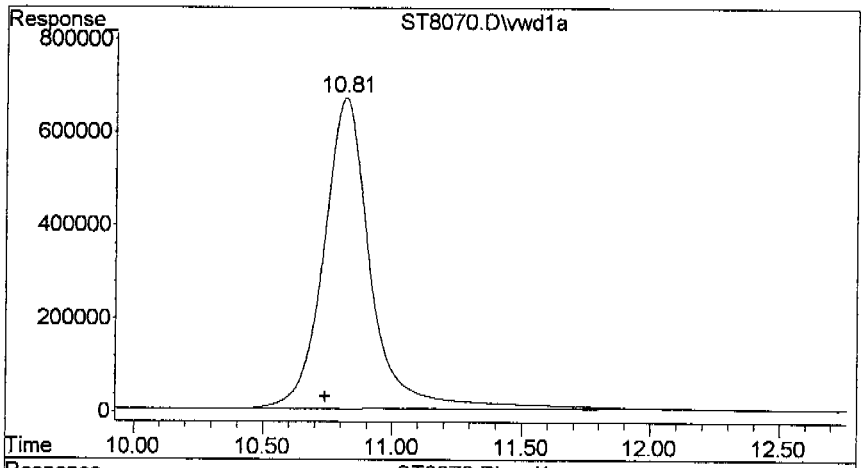
Signal #1 : D:\HPLC1\DATA\082004A\ST8070.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8070.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:14:10 Operator: sonal
Sample : ~~N74914-9x~~ M41346-9. 2M 9/1/04 Inst : FLD
Misc : op7581,gst368,870,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:55 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

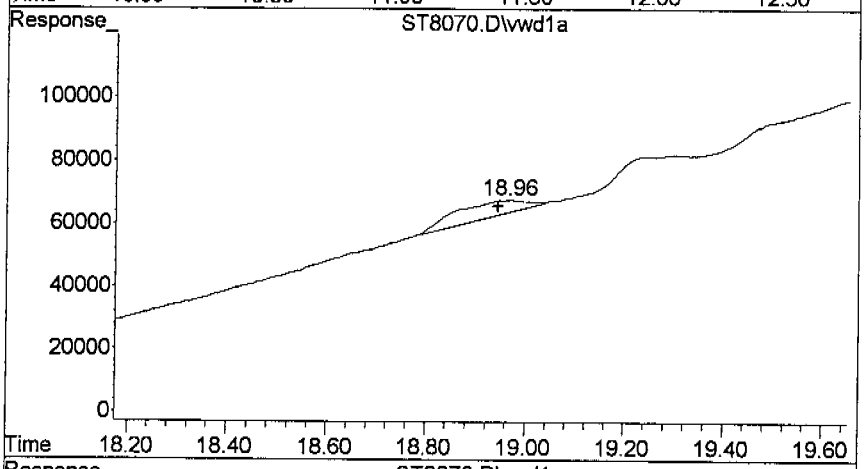






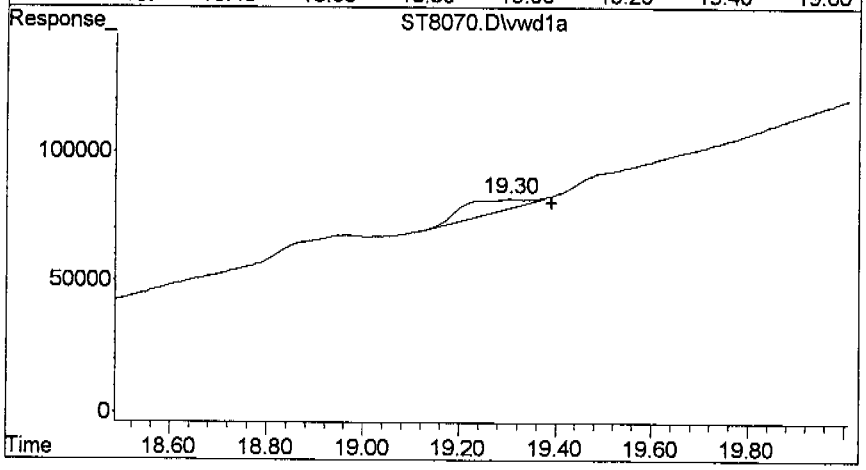
#2 1,2-Dinitrobenzene

R.T.: 10.814 min
Delta R.T.: 0.075 min
Response: 86111066
Conc: 4.06 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.963 min
Delta R.T.: 0.020 min
Response: 483431
Conc: 0.04 ppb m



#16 p-Nitrotoluene

R.T.: 19.300 min
Delta R.T.: -0.090 min
Response: 457728
Conc: 0.03 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9799.D\dad1B.ch Vial: 33
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9799.D\dad1A.ch
Acq On : 22-Aug-2004, 01:25:05 Operator: caobinz
Sample : ~~n74914-10x~~ M41346-10 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,900,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:32 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.26	16517122	4.353 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	87.06%

Target Compounds

08/22/04

8/22/04

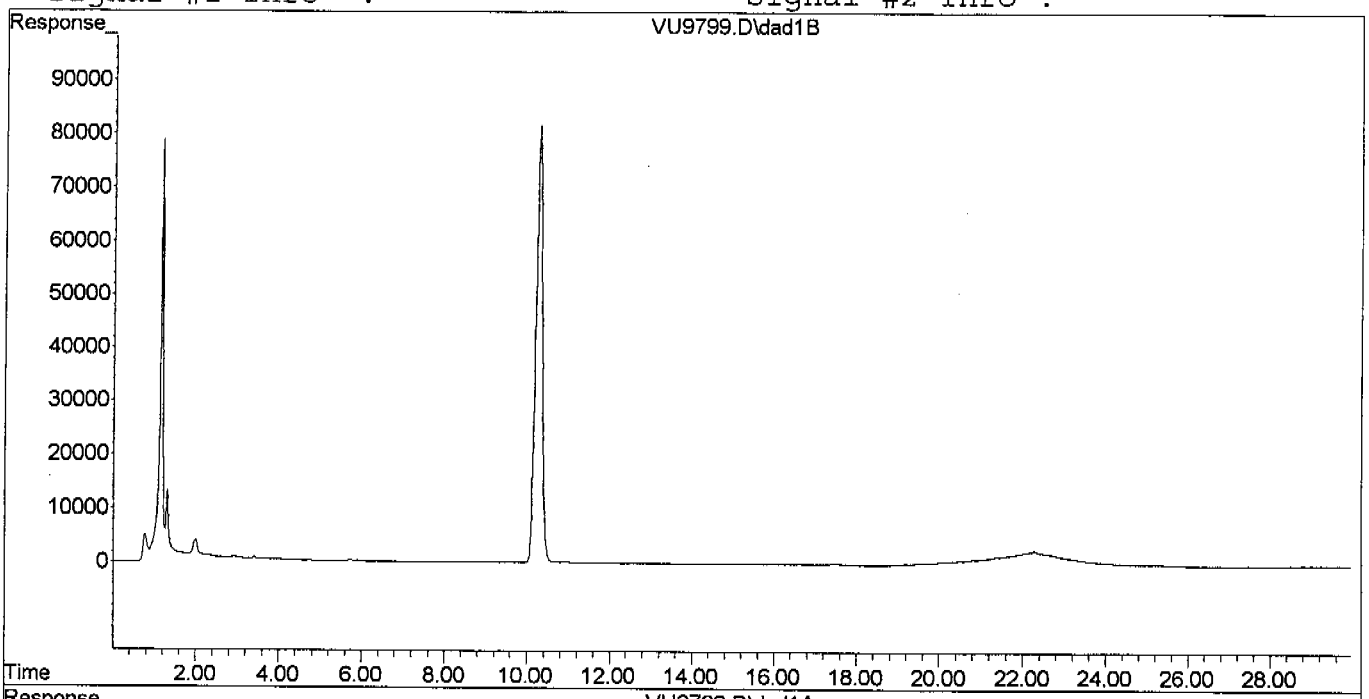
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9799.D EX082004.M Sun Aug 22 10:33:13 2004 GC20PRT Page 1

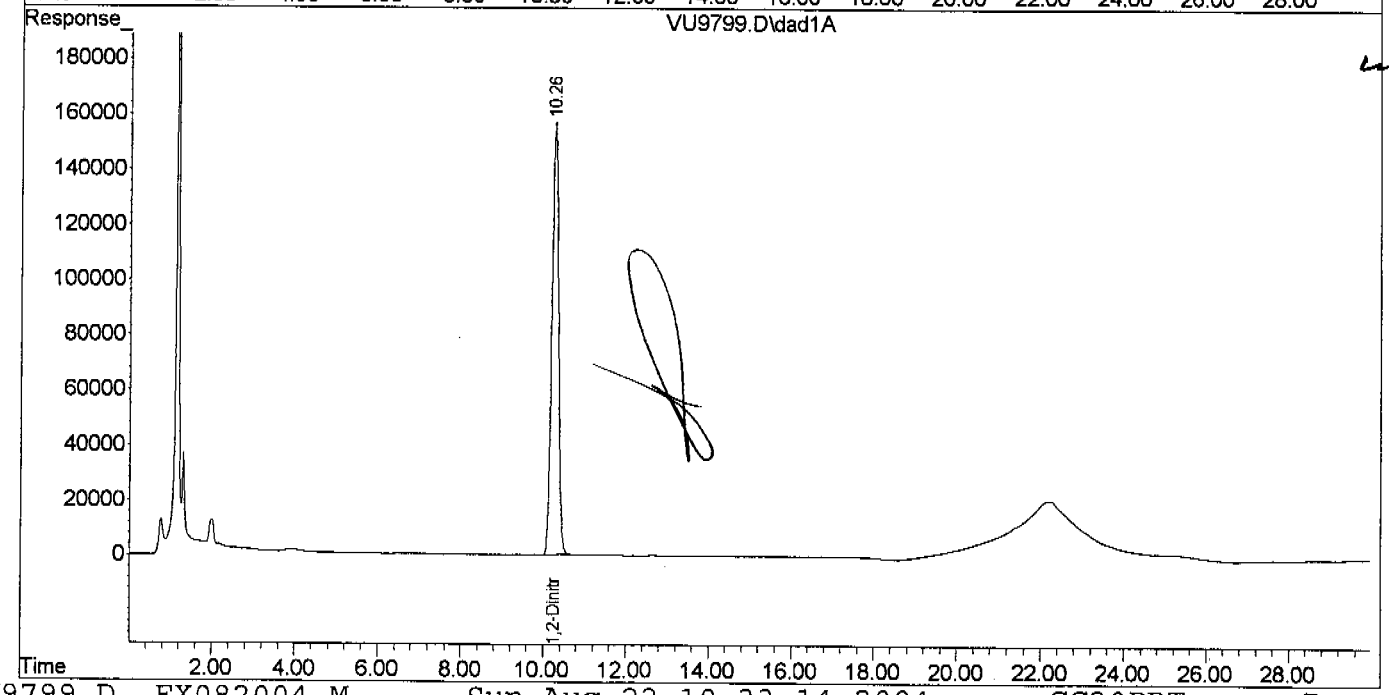
Quantitation Report (QT Reviewed)

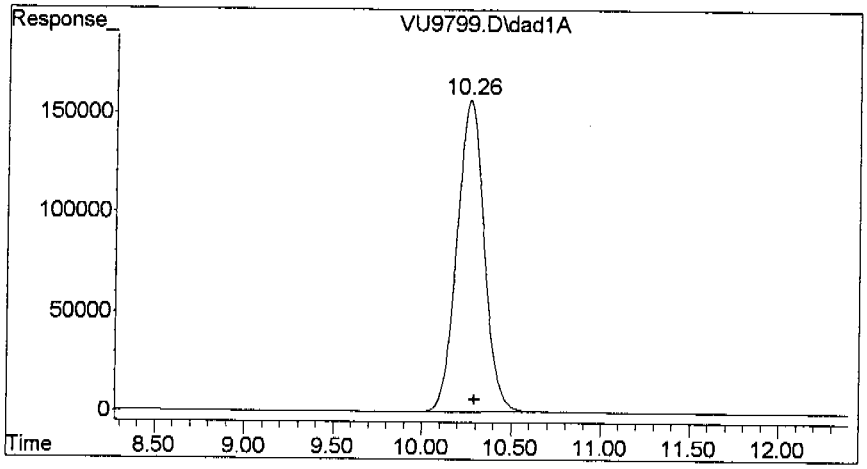
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9799.D\dad1B.ch Vial: 33
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9799.D\dad1A.ch
Acq On : 22-Aug-2004, 01:25:05 Operator: caobinz
Sample : ~~n74914-10x~~ n41306-10 [illegible] 9/1/04 Inst : G1315A
Misc : op7581,gvu326,900,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:32 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.260 min
Delta R.T.: -0.031 min
Response: 16517122
Conc: 4.35 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8071.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8071.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:44:48 Operator: sonal
Sample : ~~N74914-10x~~ N41346-10, 2M 9/1/4 Inst : FLD
Misc : op7581,gst368,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:56 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.84	91777226	4.324 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	86.48%
Target Compounds			
15) o-Nitrotoluene	18.97	634352	0.057 ppb m
16) p-Nitrotoluene	19.25	574194	0.044 ppb m

08/22/04

8/22/04

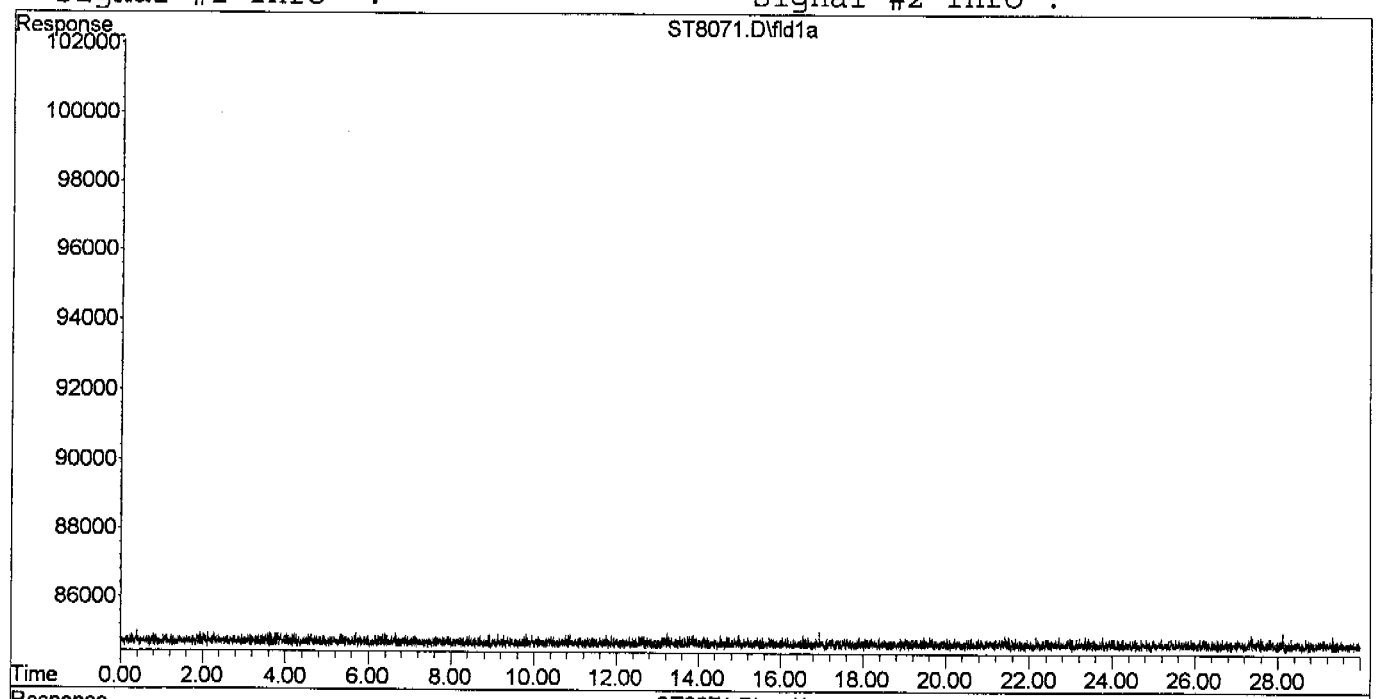
(f)=RT Delta > 1/2 Window (m)=manual int.

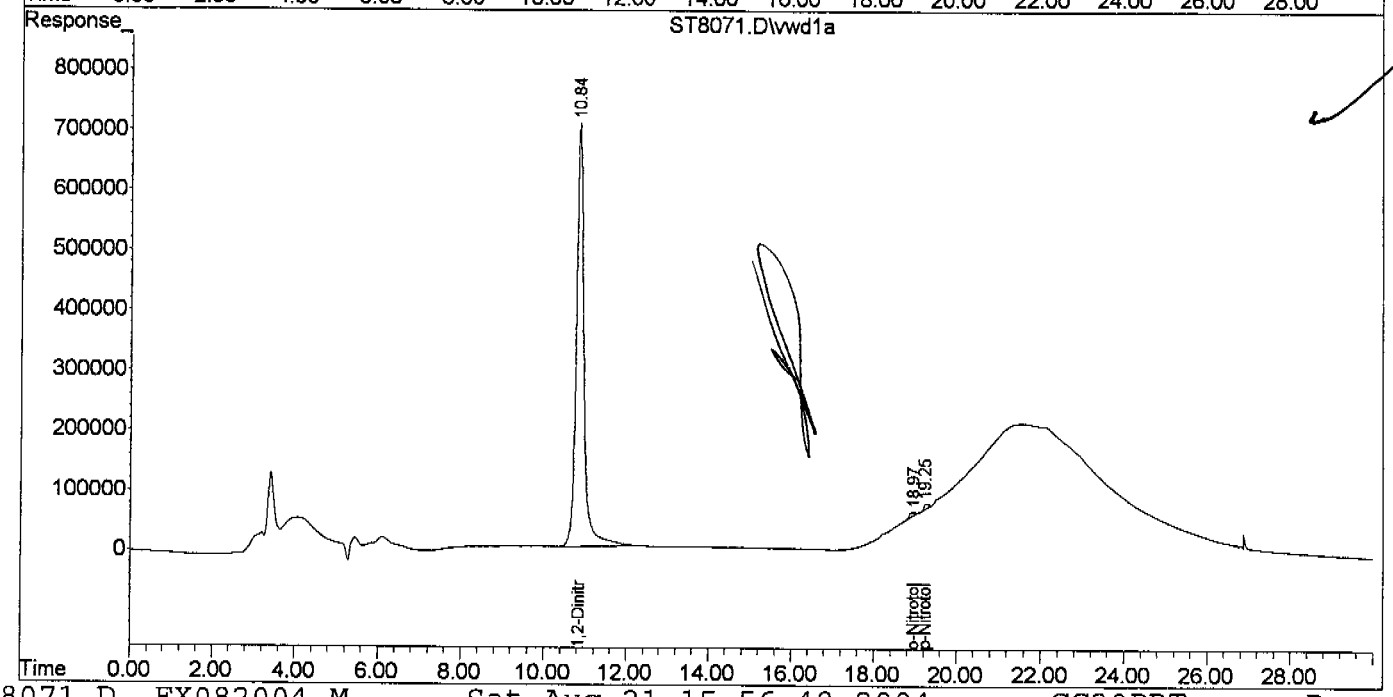
Quantitation Report (QT Reviewed)

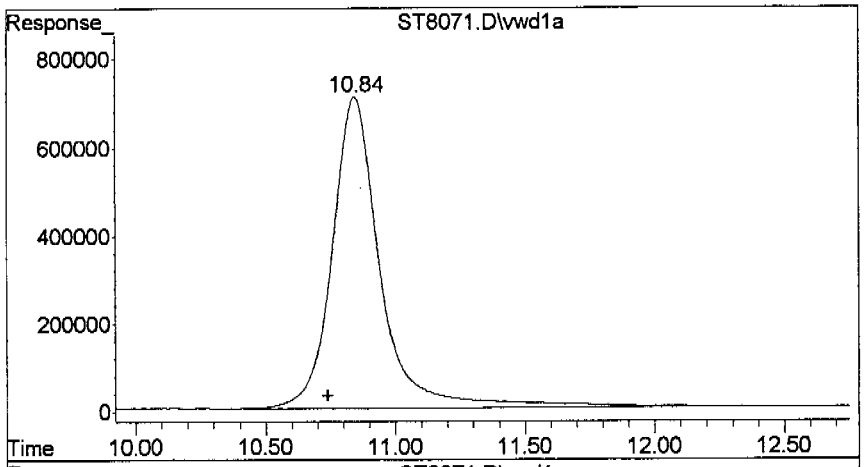
Signal #1 : D:\HPLC1\DATA\082004A\ST8071.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8071.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:44:48 Operator: sonal
Sample : ~~N74914-10x~~ M43346-10, 2M 9/1/04 Inst : FLD
Misc : op7581,gst368,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:56 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

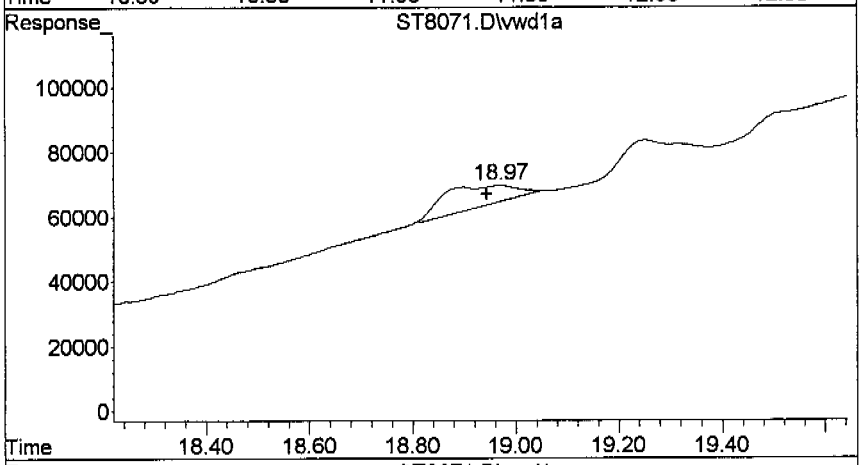






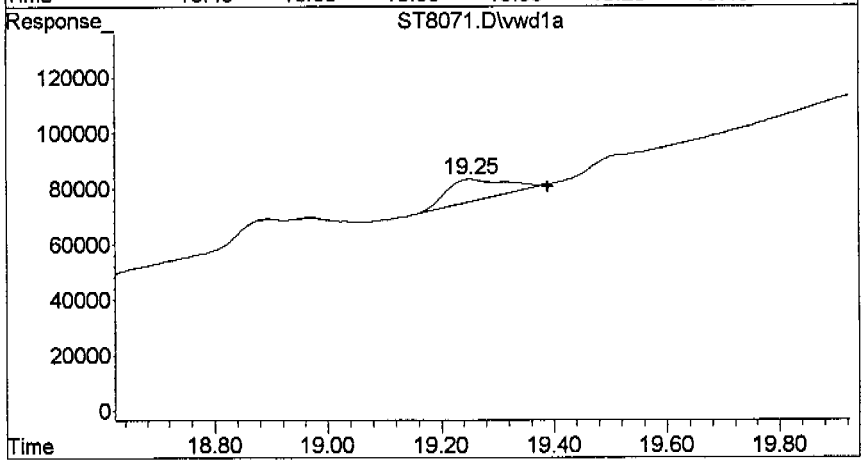
#2 1,2-Dinitrobenzene

R.T.: 10.845 min
Delta R.T.: 0.106 min
Response: 91777226
Conc: 4.32 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.967 min
Delta R.T.: 0.023 min
Response: 634352
Conc: 0.06 ppb m



#16 p-Nitrotoluene

R.T.: 19.250 min
Delta R.T.: -0.140 min
Response: 574194
Conc: 0.04 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9800.D\dad1B.ch Vial: 34
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9800.D\dad1A.ch
Acq On : 22-Aug-2004, 01:57:03 Operator: caobinz
Sample : ~~n74914-11x~~ n41346-11. ✓ 9/1/04 Inst : G1315A
Misc : op7581,gvu326,850,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:33 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.31	17188139	4.530 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	90.60%

Target Compounds

8/22/04

8/22/04

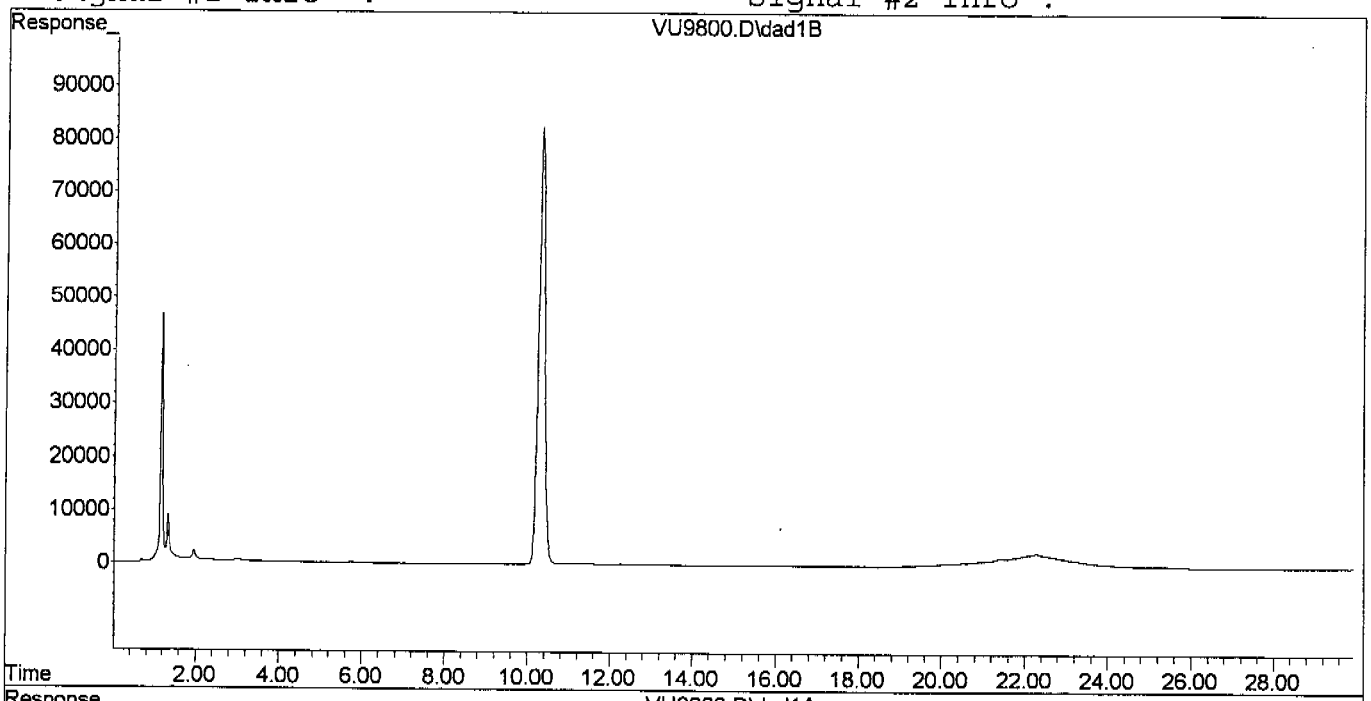
(f)=RT Delta > 1/2 Window (m)=manual int.

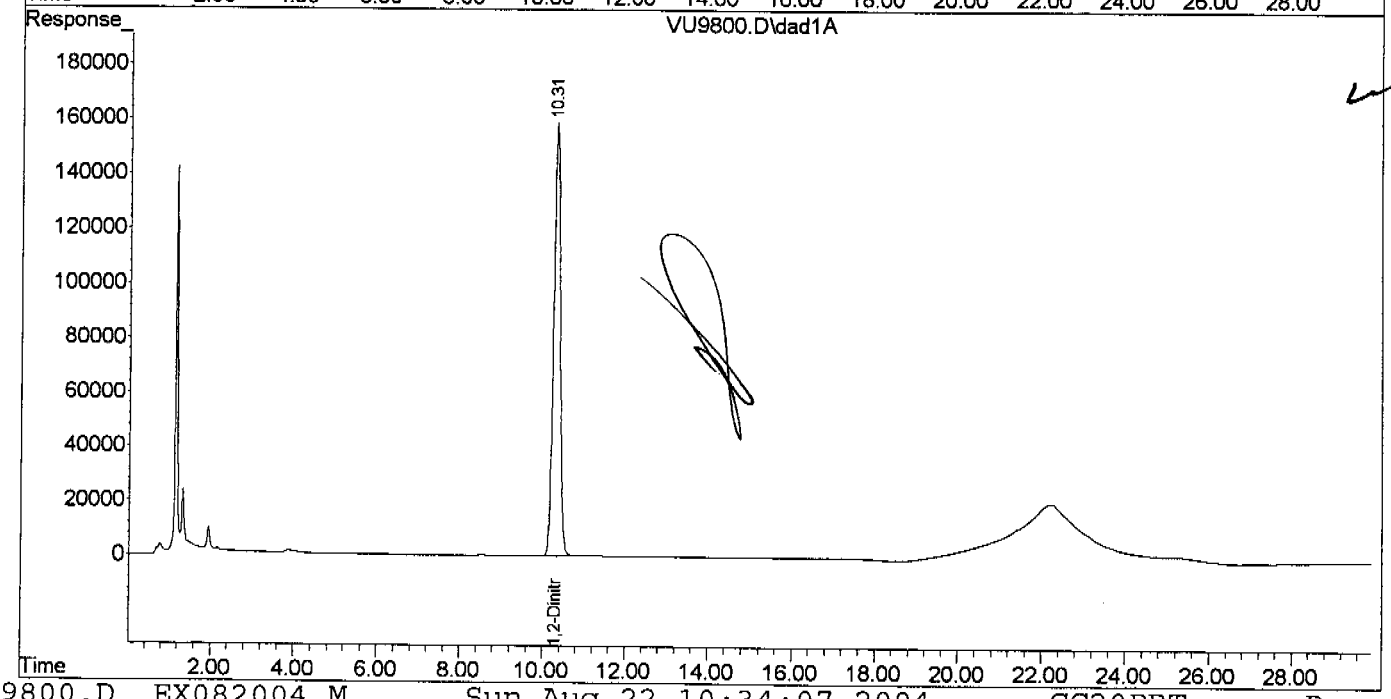
Quantitation Report (QT Reviewed)

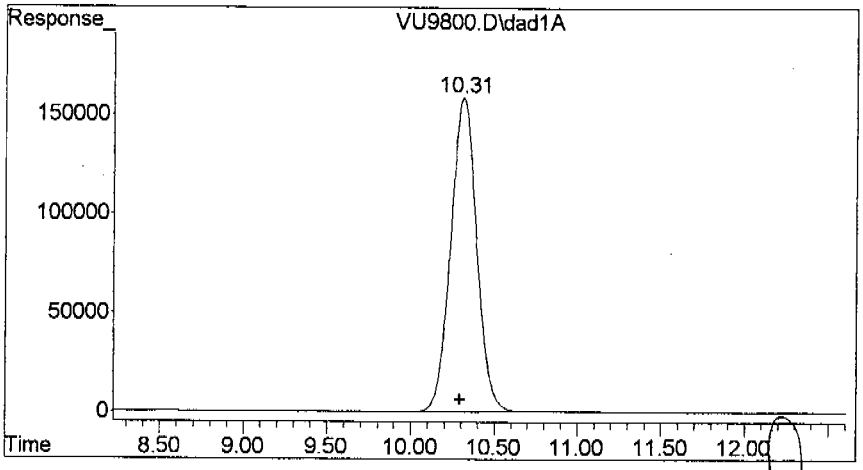
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9800.D\dad1B.ch Vial: 34
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9800.D\dad1A.ch
Acq On : 22-Aug-2004, 01:57:03 Operator: caobinz
Sample : ~~n74914-11x~~ M 41346-11 2M 8/a/.4 Inst : G1315A
Misc : op7581,gvu326,850,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:33 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.309 min
Delta R.T.: 0.019 min
Response: 17188139
Conc: 4.53 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8076.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8076.D\vwd1a.ch
Acq On : 21-Aug-2004, 10:57:51 Operator: sonal
Sample : ~~n74914-11x~~ M41346-11 2 M 9/1/04 Inst : FLD
Misc : op7581,gst368,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:13 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	96003551	4.523 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	90.46%
Target Compounds			
15) o-Nitrotoluene	18.97	854105	0.076 ppb m
16) p-Nitrotoluene	19.29	754945	0.057 ppb m

8/21/04

S

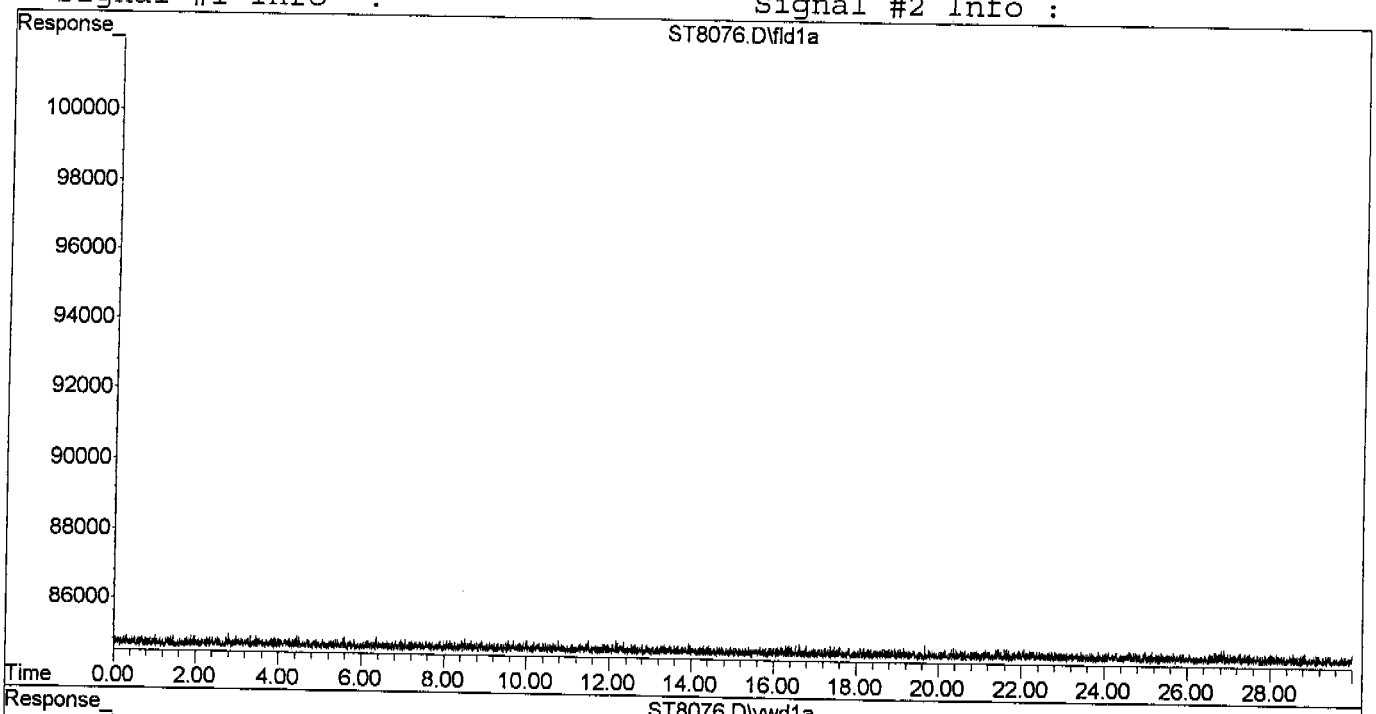
(f)=RT Delta > 1/2 Window (m)=manual int.

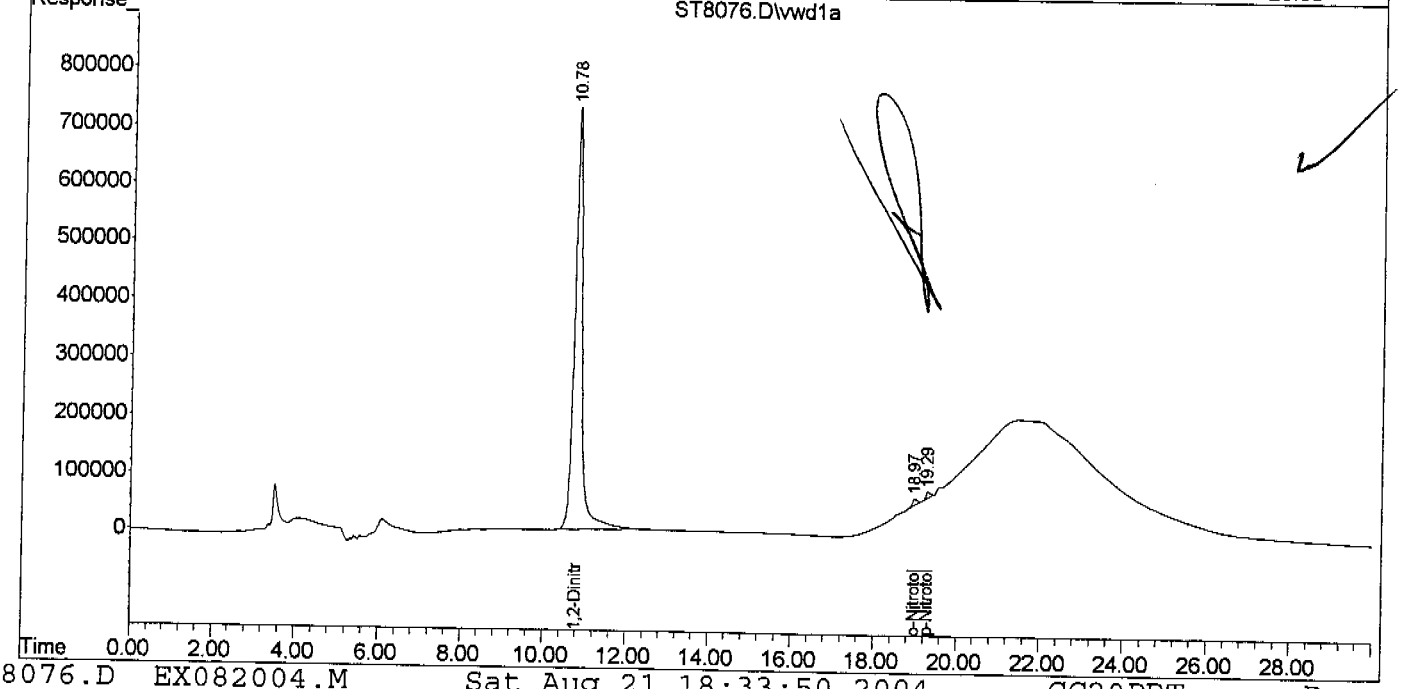
Quantitation Report (QT Reviewed)

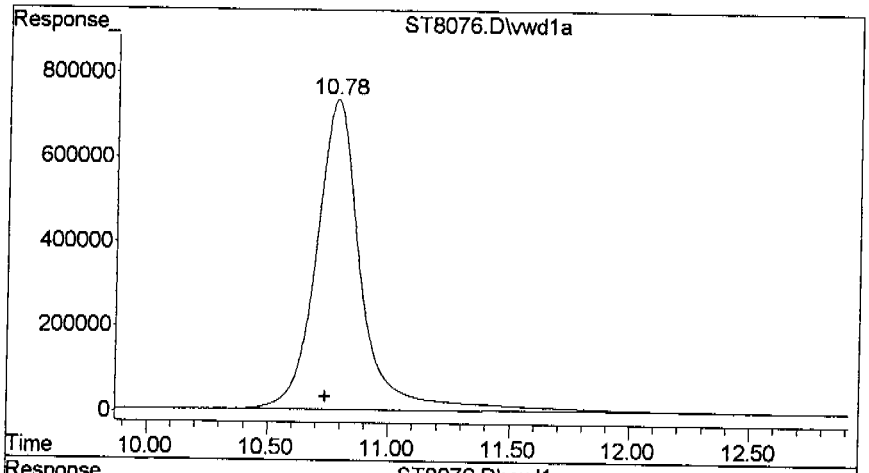
Signal #1 : D:\HPLC1\DATA\082004A\ST8076.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8076.D\vwd1a.ch
Acq On : 21-Aug-2004, 10:57:51 Operator: sonal
Sample : ~~n74914-11x~~ M 41346-11, 2 M 9/1/04 Inst : FLD
Misc : op7581,gst368,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:13 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

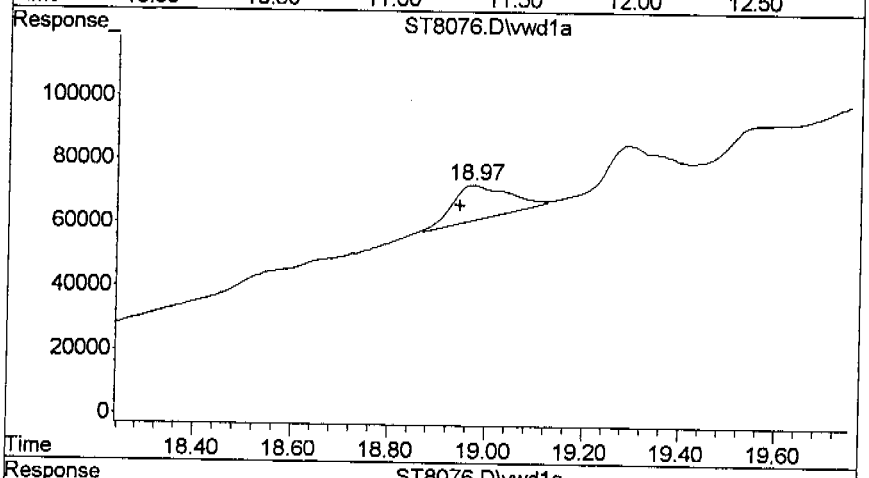






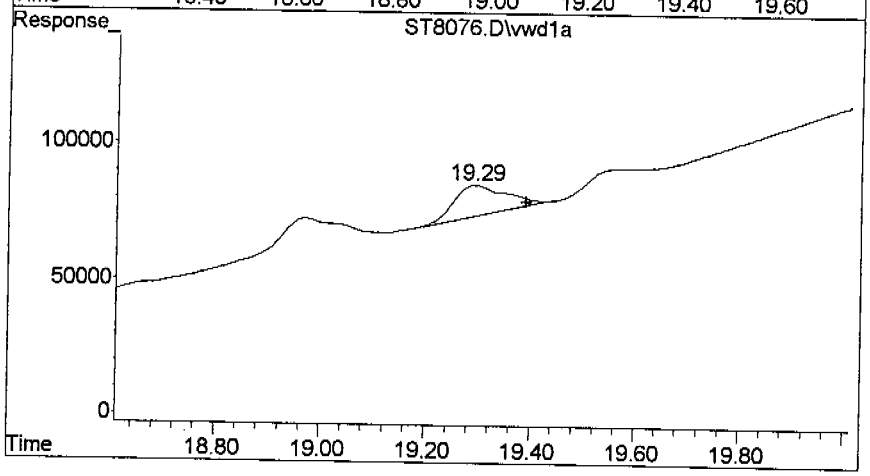
#2 1,2-Dinitrobenzene

R.T.: 10.779 min
Delta R.T.: 0.040 min
Response: 96003551
Conc: 4.52 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.973 min
Delta R.T.: 0.030 min
Response: 854105
Conc: 0.08 ppb m



#16 p-Nitrotoluene

R.T.: 19.293 min
Delta R.T.: -0.097 min
Response: 754945
Conc: 0.06 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9801.D\dad1B.ch Vial: 35
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9801.D\dad1A.ch
Acq On : 22-Aug-2004, 02:29:01 Operator: caobinz
Sample : ~~n74914-12x~~ M91346-12, 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,940,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:34 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.32	16192361	4.268 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	85.36%
Target Compounds			

8/22/04

8/22/04

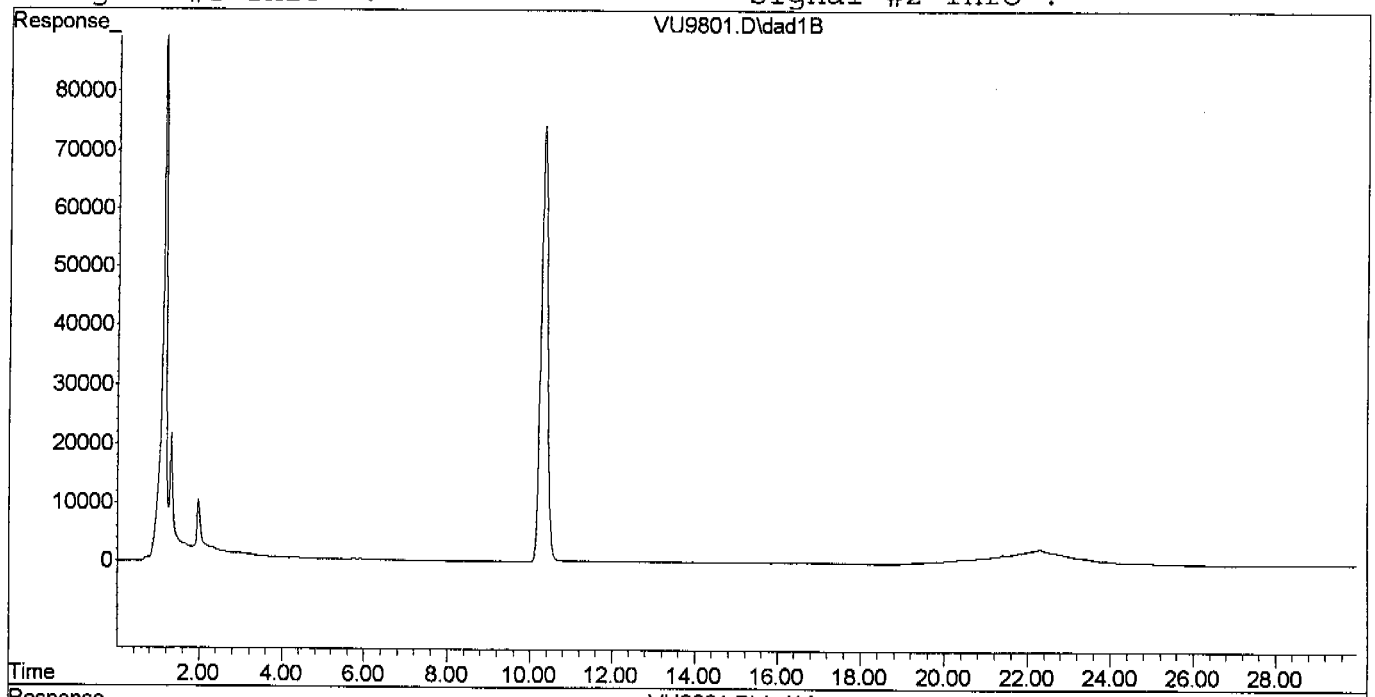
(f)=RT Delta > 1/2 Window (m)=manual int.

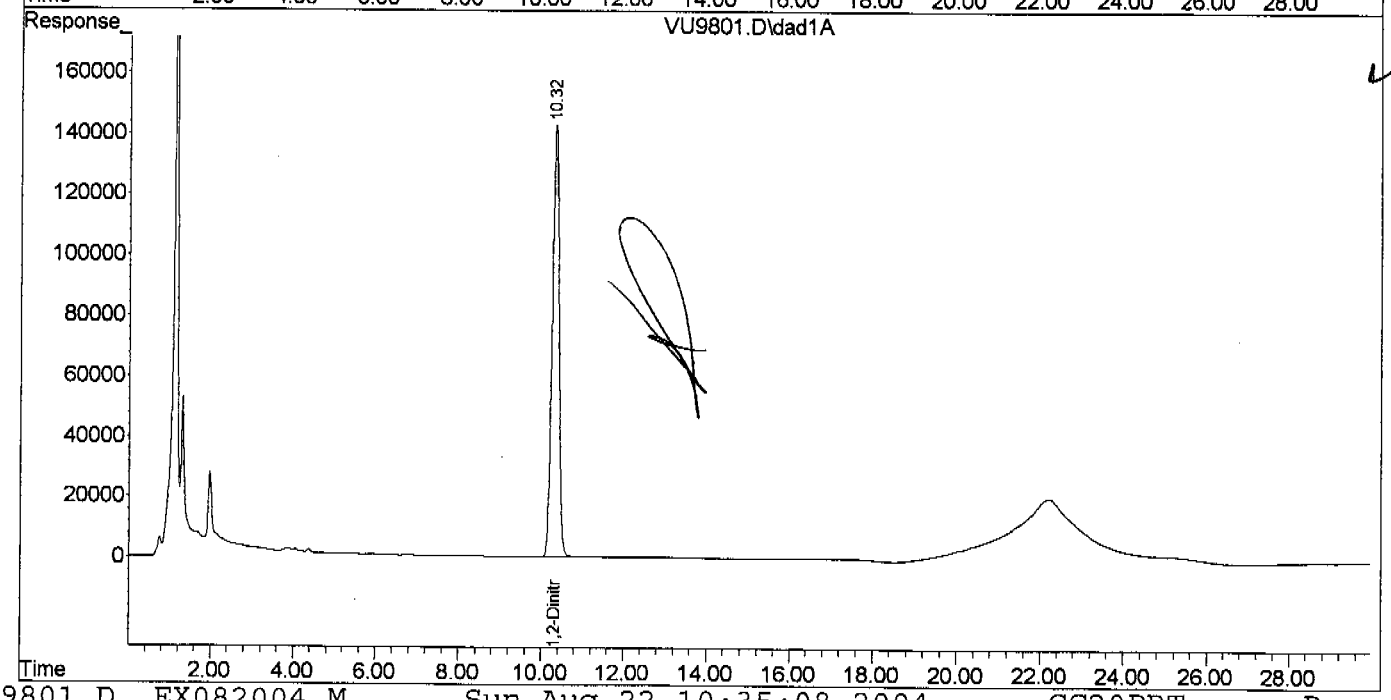
Quantitation Report (QT Reviewed)

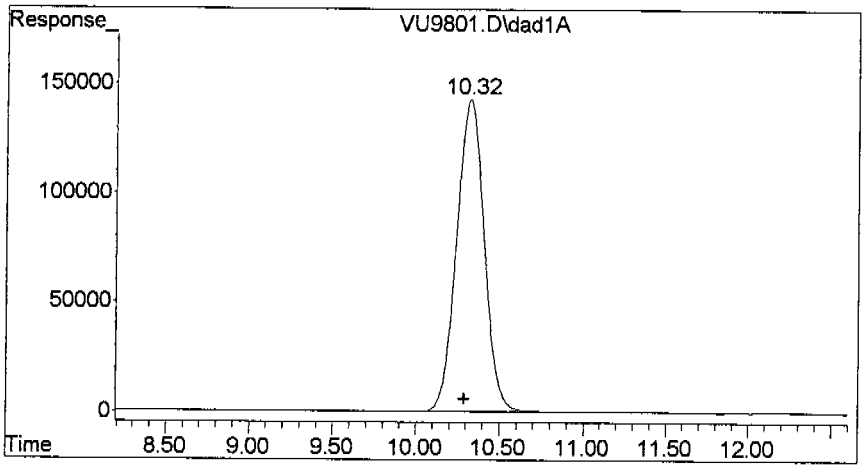
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9801.D\dad1B.ch Vial: 35
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9801.D\dad1A.ch
Acq On : 22-Aug-2004, 02:29:01 Operator: caobinz
Sample : ~~n74914-12x~~ M 41346-12 . 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,940,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:34 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.319 min
Delta R.T.: 0.029 min
Response: 16192361
Conc: 4.27 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8077.D\fld1a.ch Vial: 4
Signal #2 : D:\HPLC1\DATA\082004A\ST8077.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:28:30 Operator: sonal
Sample : ~~n74914-12x~~ n41346-12 SH 9/1/04 Inst : FLD
Misc : op7581,gst368,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:14 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	90069534	4.243 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	84.86%
Target Compounds			
15) o-Nitrotoluene	18.95	621050	0.056 ppb m
16) p-Nitrotoluene	19.20	538956	0.041 ppb m

9/10/04

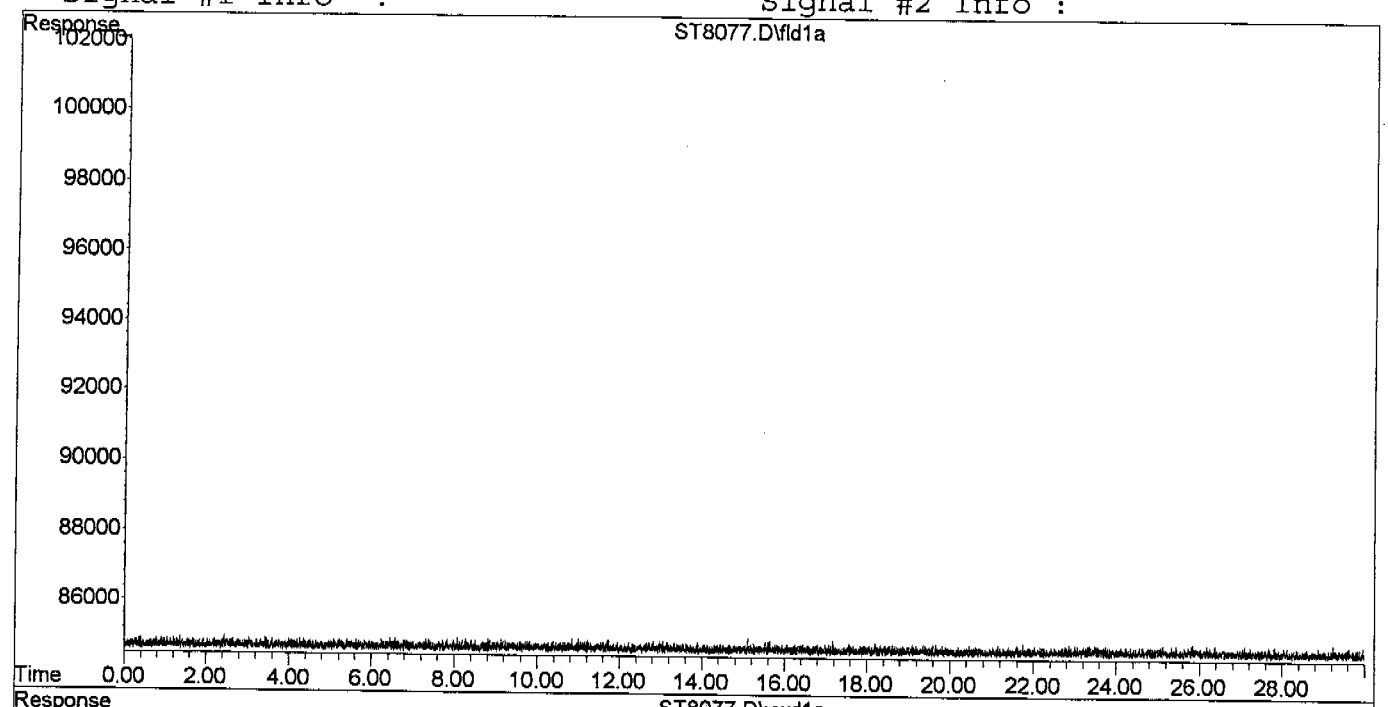
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8077.D EX082004.M Sat Aug 21 14:49 2004 GC20PRT Page 1

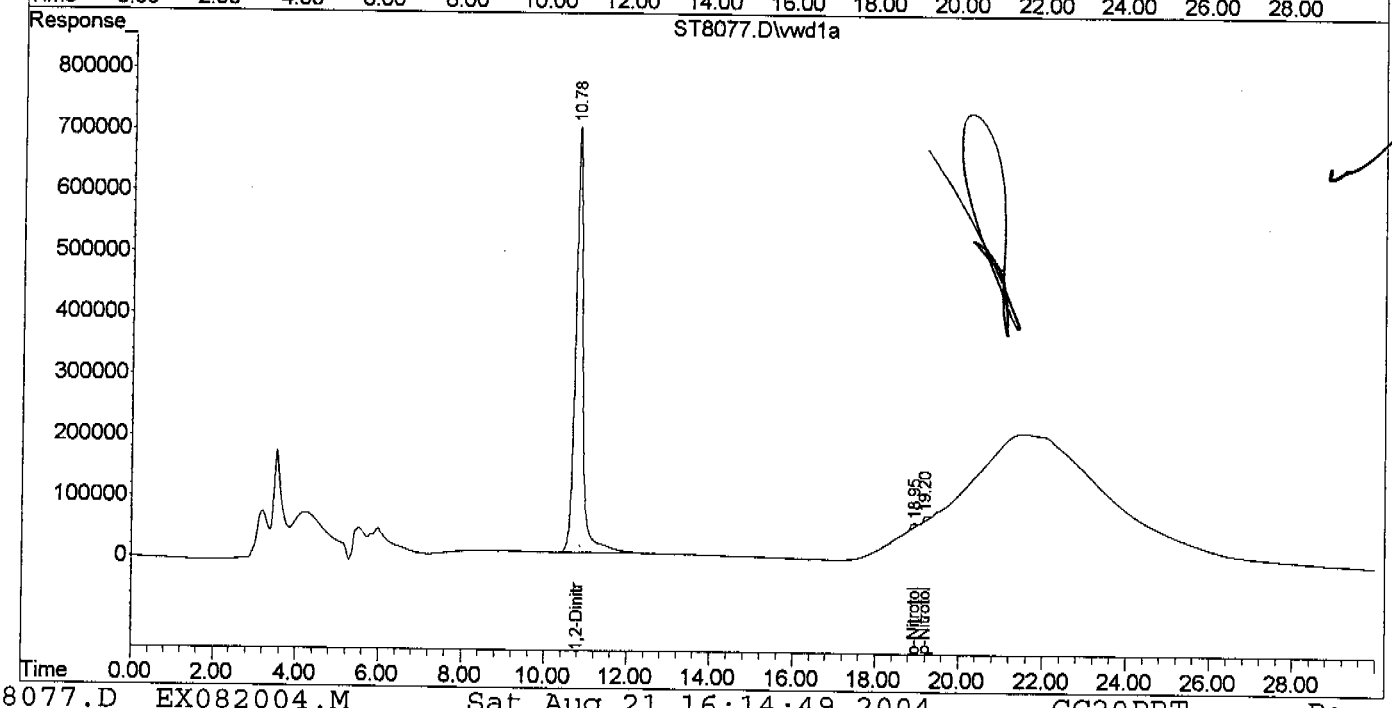
Quantitation Report (QT Reviewed)

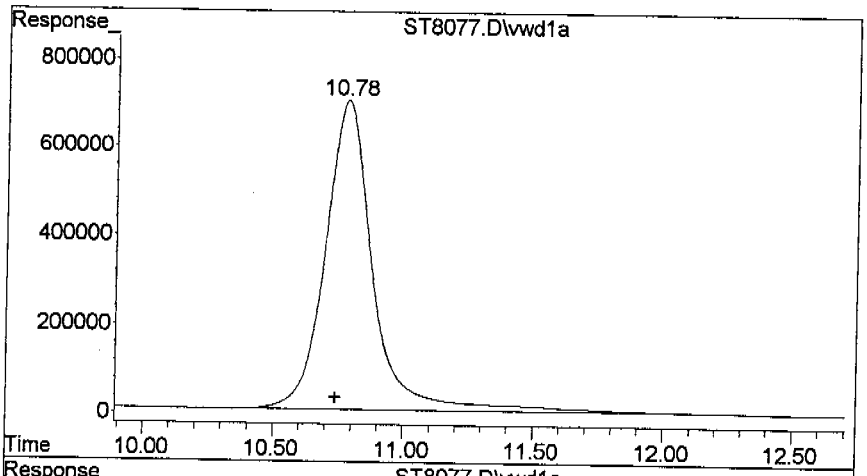
Signal #1 : D:\HPLC1\DATA\082004A\ST8077.D\fld1a.ch Vial: 4
Signal #2 : D:\HPLC1\DATA\082004A\ST8077.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:28:30 Operator: sonal
Sample : ~~n74914-12x~~ M41346-12 . 2M9/1/4 Inst : FLD
Misc : op7581,gst368,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:14 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

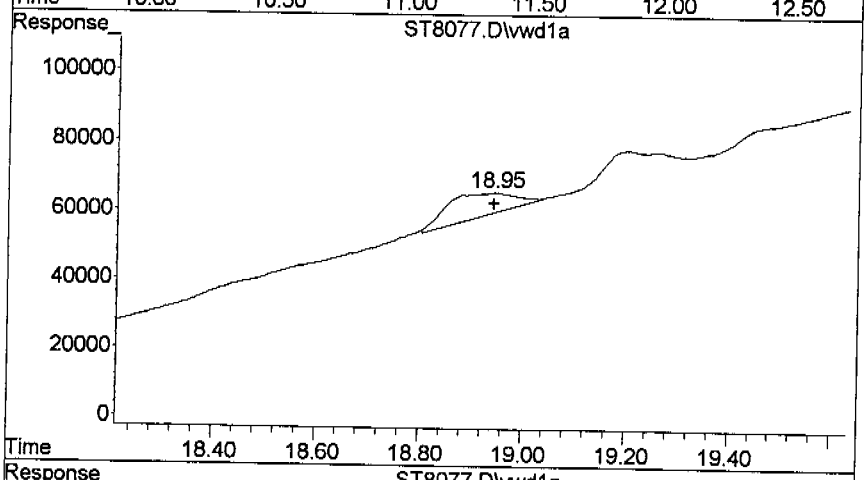






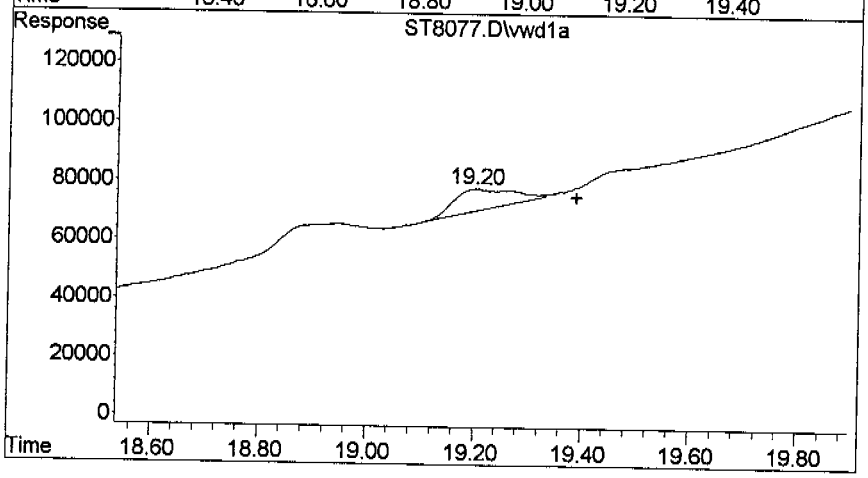
#2 1,2-Dinitrobenzene

R.T.: 10.779 min
Delta R.T.: 0.040 min
Response: 90069534
Conc: 4.24 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.946 min
Delta R.T.: 0.002 min
Response: 621050
Conc: 0.06 ppb m



#16 p-Nitrotoluene

R.T.: 19.200 min
Delta R.T.: -0.190 min
Response: 538956
Conc: 0.04 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9802.D\dad1B.ch Vial: 36
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9802.D\dad1A.ch
Acq On : 22-Aug-2004, 03:00:57 Operator: caobinz
Sample : ~~n74914-13x~~ M41346-13 ✓ 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,880,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:35 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.35	16332767	4.305 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	86.10%
Target Compounds			

8/22/04

8/22/04

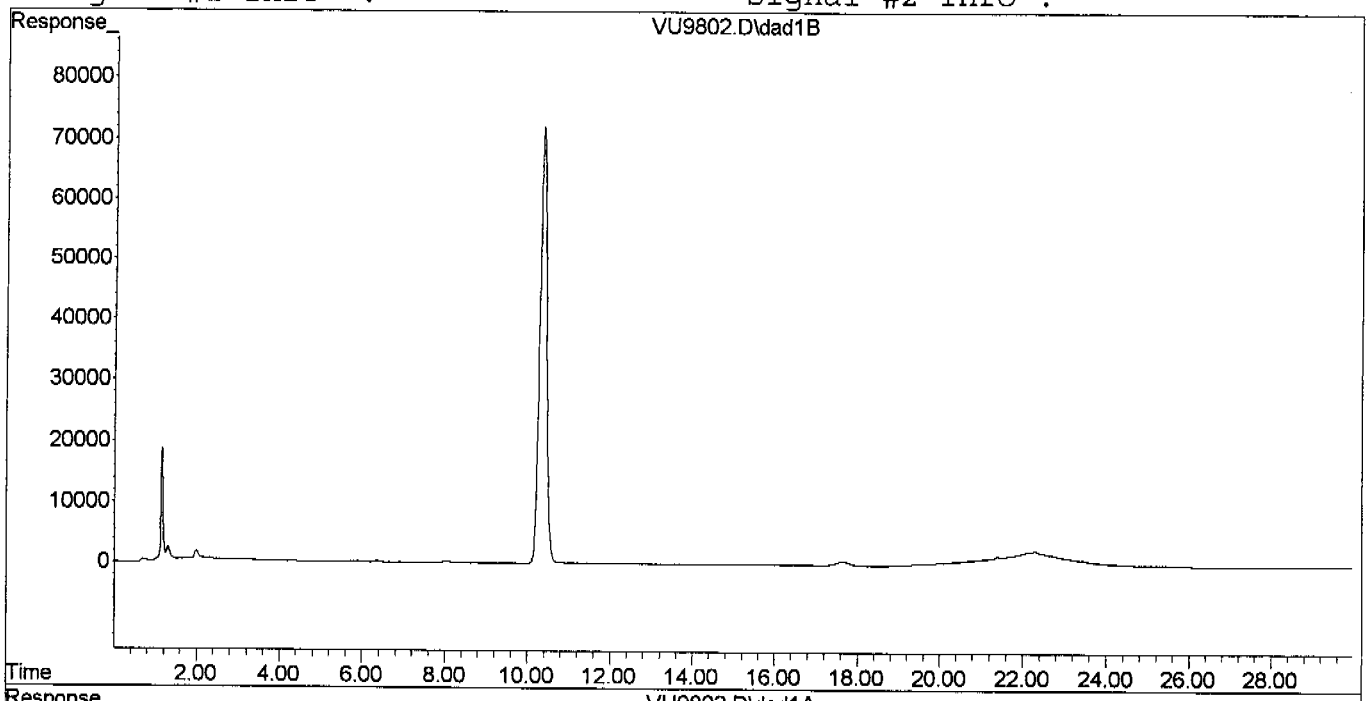
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9802.D EX082004.M Sun Aug 22 13:36:05 2004 GC20PRT Page 1

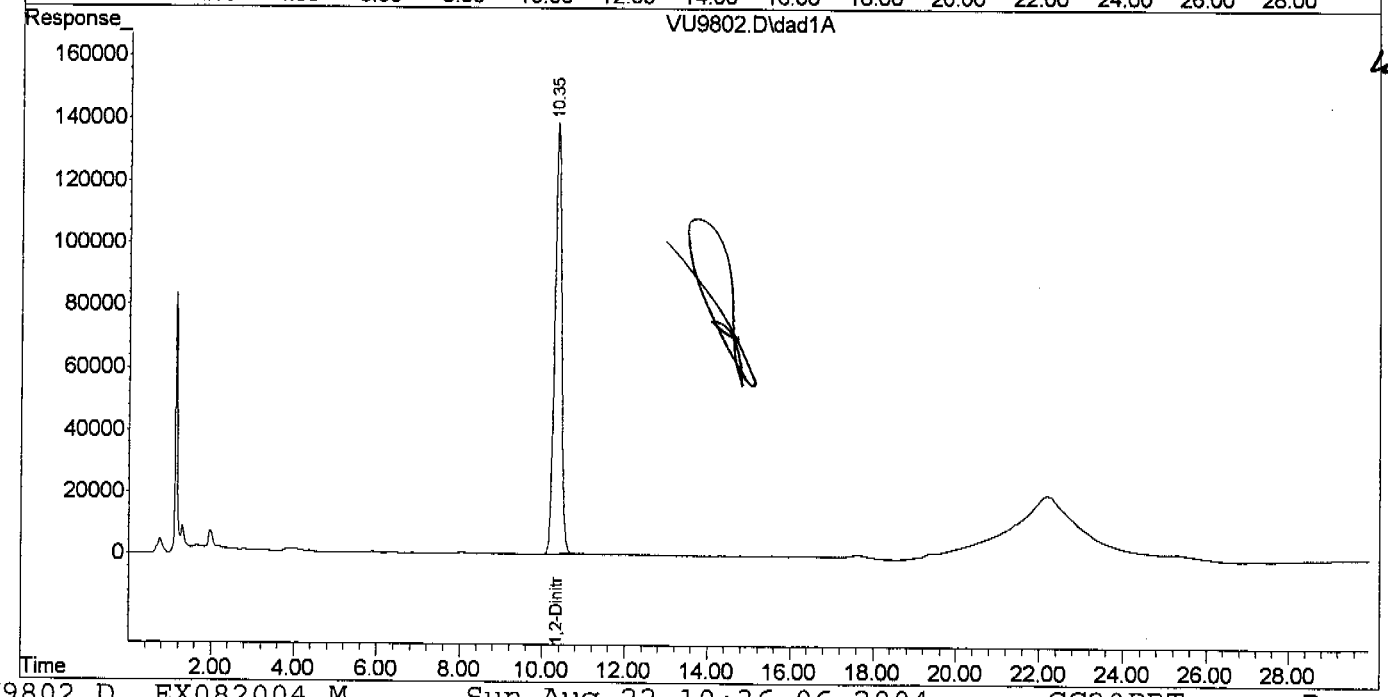
Quantitation Report (QT Reviewed)

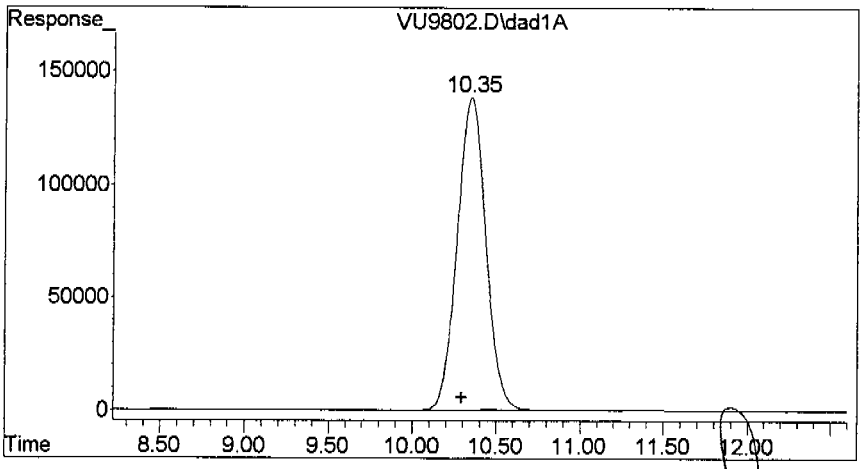
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9802.D\dad1B.ch Vial: 36
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9802.D\dad1A.ch
Acq On : 22-Aug-2004, 03:00:57 Operator: caobinz
Sample : ~~n74914-13x~~ N 41346-13, 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,880,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:35 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.346 min
Delta R.T.: 0.055 min
Response: 16332767
Conc: 4.30 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8078.D\fld1a.ch Vial: 5
Signal #2 : D:\HPLC1\DATA\082004A\ST8078.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:59:08 Operator: sonal
Sample : ~~n74914-13x~~ M4346-13, 24 8/1/4 Inst : FLD
Misc : op7581,gst368,880,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:15 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.77	91551091	4.313 ug/mlm
Spiked Amount 5.000	Range 16 - 141	Recovery =	86.26%
Target Compounds			
15) o-Nitrotoluene	18.90	773207	0.069 ppb m
16) p-Nitrotoluene	19.23	719071	0.055 ppb m

08/24/04

8/25/04

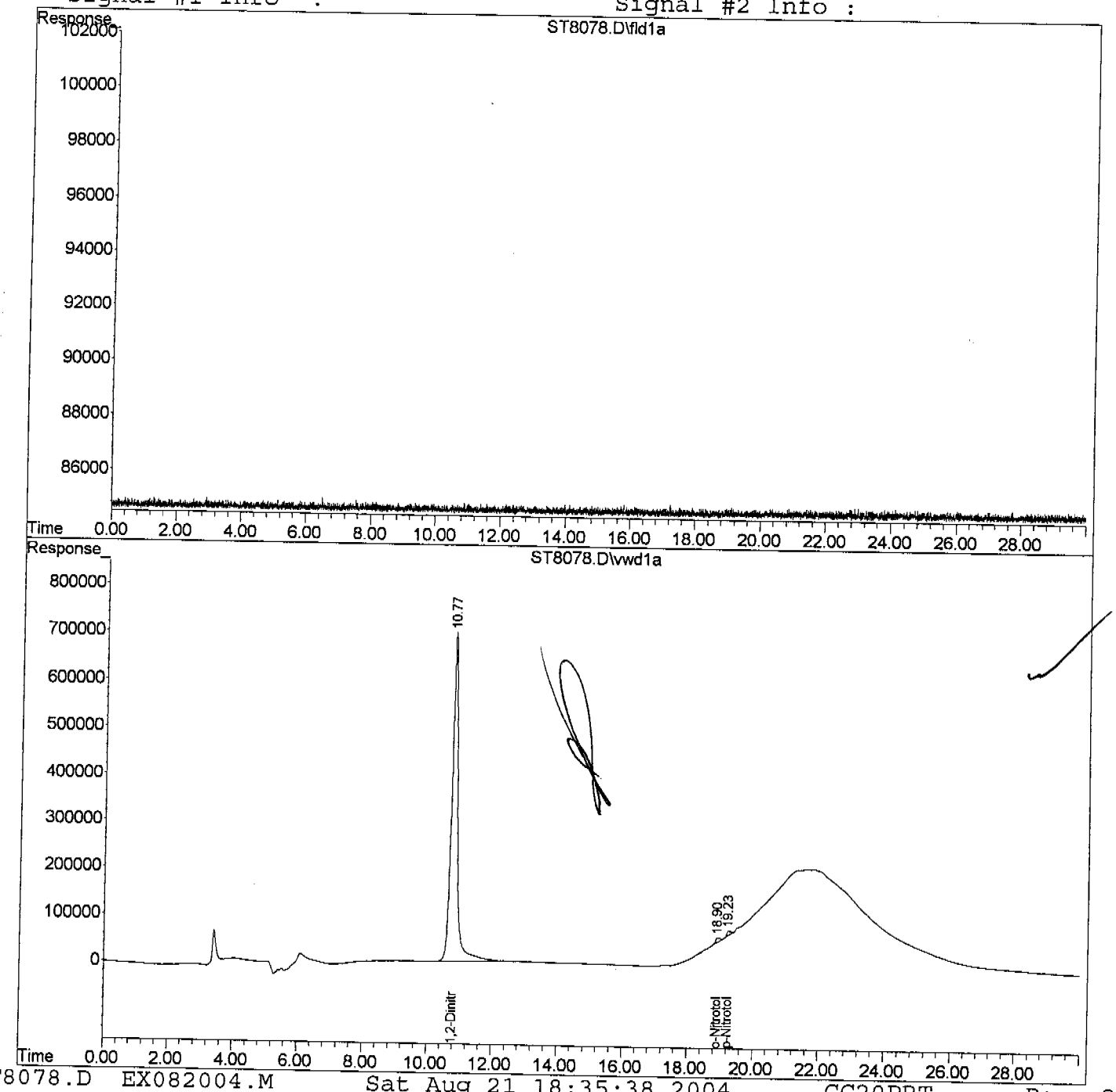
(f)=RT Delta > 1/2 Window (m)=manual int.

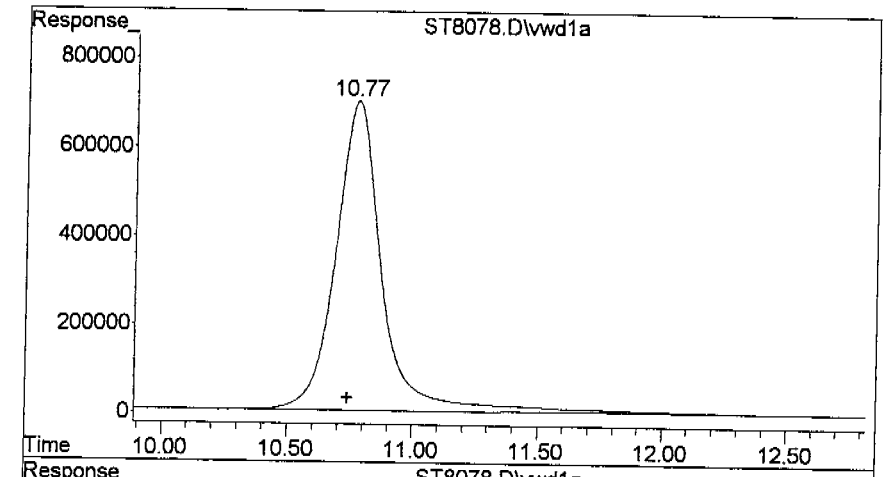
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8078.D\fld1a.ch Vial: 5
Signal #2 : D:\HPLC1\DATA\082004A\ST8078.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:59:08 Operator: sonal
Sample : ~~n74914-13x~~ M41346-13, 24 9/1/04 Inst : FLD
Misc : op7581,gst368,880,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:15 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

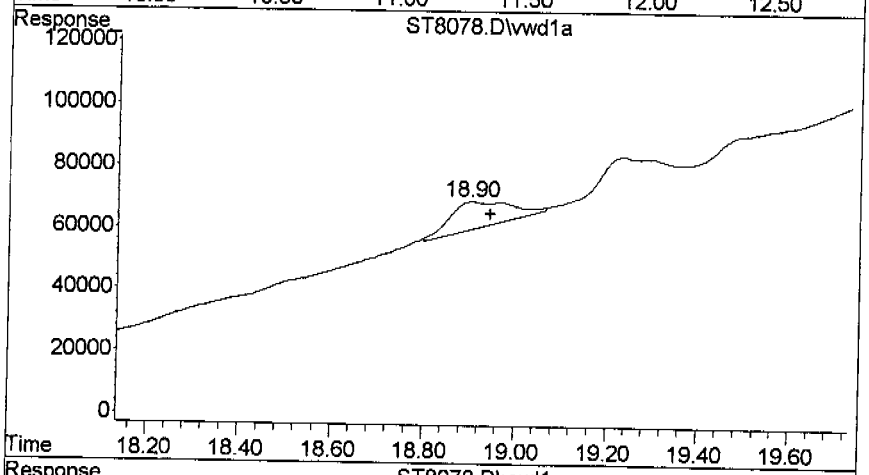
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





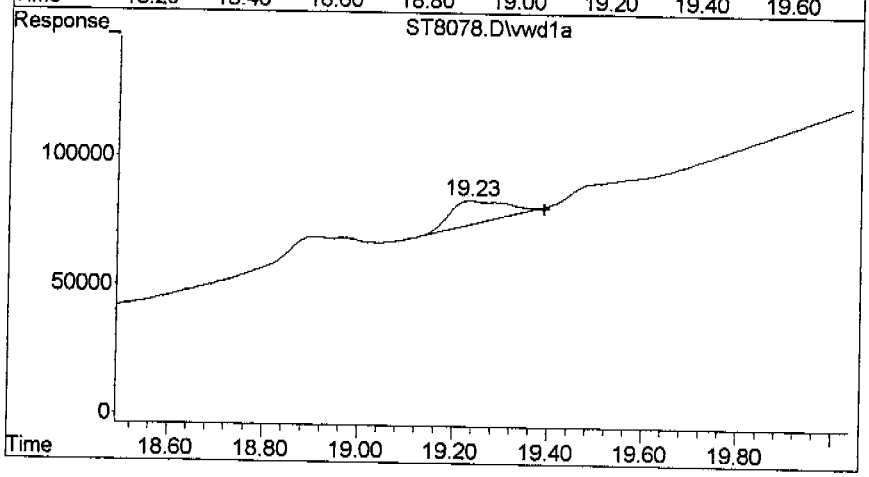
#2 1,2-Dinitrobenzene

R.T.: 10.771 min
Delta R.T.: 0.032 min
Response: 91551091
Conc: 4.31 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.900 min
Delta R.T.: -0.043 min
Response: 773207
Conc: 0.07 ppb m



#16 p-Nitrotoluene

R.T.: 19.233 min
Delta R.T.: -0.157 min
Response: 719071
Conc: 0.05 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9803.D\dad1B.ch Vial: 37
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9803.D\dad1A.ch
Acq On : 22-Aug-2004, 03:32:53 Operator: caobinz
Sample : ~~n74914-14x~~ M41247-14 . JM 9/1/04 Inst : G1315A
Misc : op7581,gvu326,890,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:36 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.36	16008632	4.219 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	84.38%
Target Compounds			

08/22/04

8/22/04

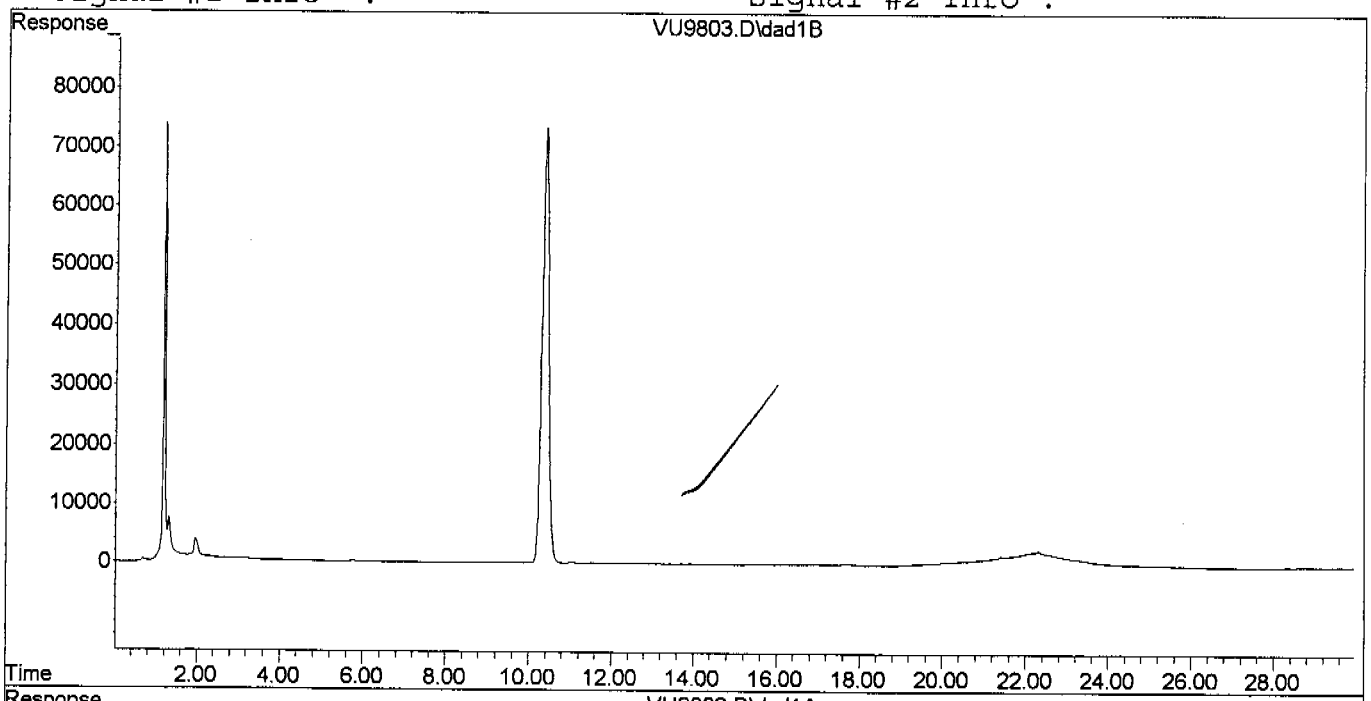
(f)=RT Delta > 1/2 Window (m)=manual int.

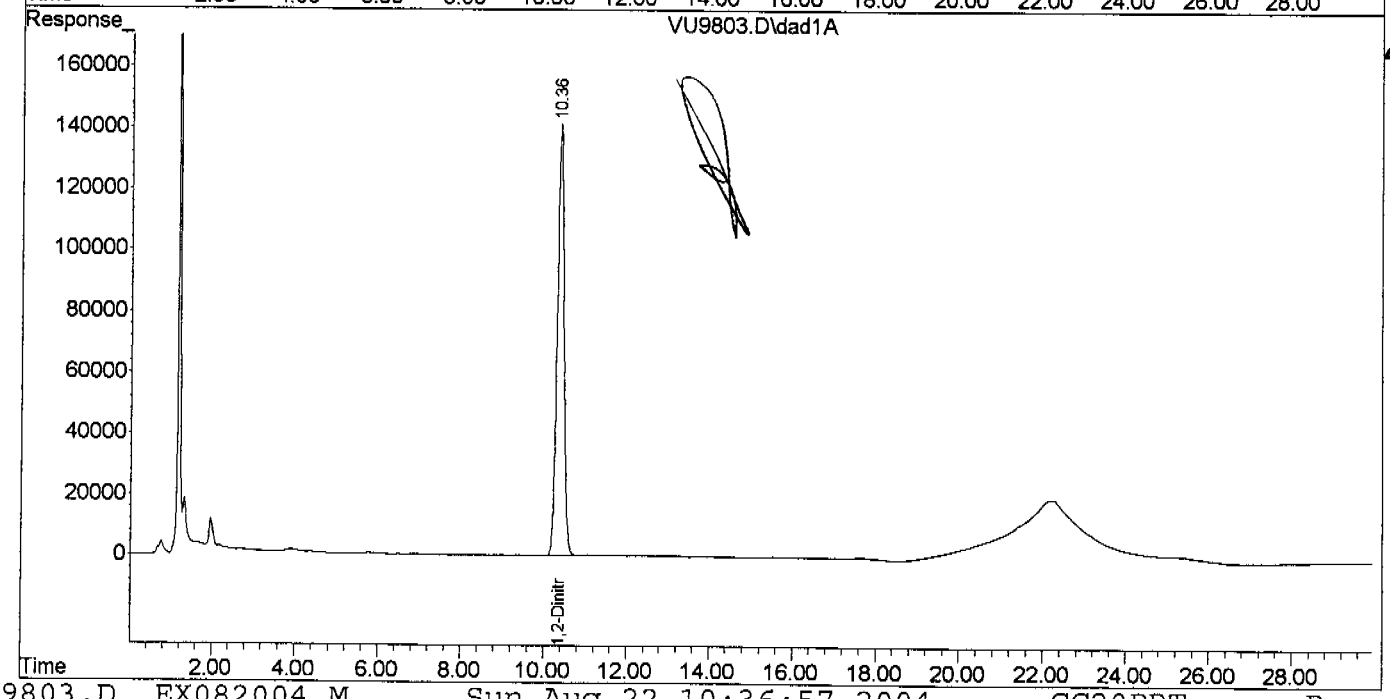
Quantitation Report (QT Reviewed)

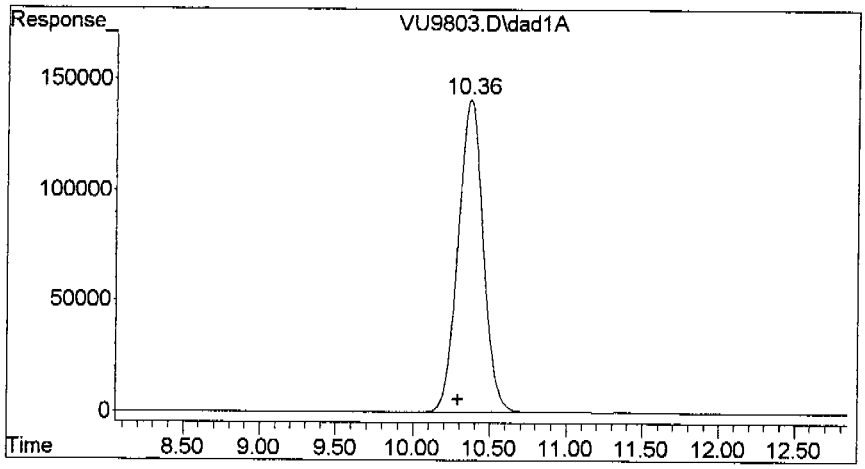
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9803.D\dad1B.ch Vial: 37
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9803.D\dad1A.ch
Acq On : 22-Aug-2004, 03:32:53 Operator: caobinz
Sample : ~~n74914-14x~~ N41346-14, 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,890,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:36 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.365 min
Delta R.T.: 0.074 min
Response: 16008632
Conc: 4.22 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8079.D\fld1a.ch Vial: 6
Signal #2 : D:\HPLC1\DATA\082004A\ST8079.D\vwd1a.ch
Acq On : 21-Aug-2004, 12:29:49 Operator: sonal
Sample : ~~n74914-14x~~ M41346-14. 2M 8/24 Inst : FLD
Misc : op7581,gst368,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:18 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.76	88763086	4.182 ug/mlm
Spiked Amount 5.000	Range 16 - 141	Recovery =	83.64%
Target Compounds			
15) o-Nitrotoluene	18.86 ✓	653481	0.059 ppb m
16) p-Nitrotoluene	19.12 ✗	733354	0.056 ppb m

08/22/04

8/24/04

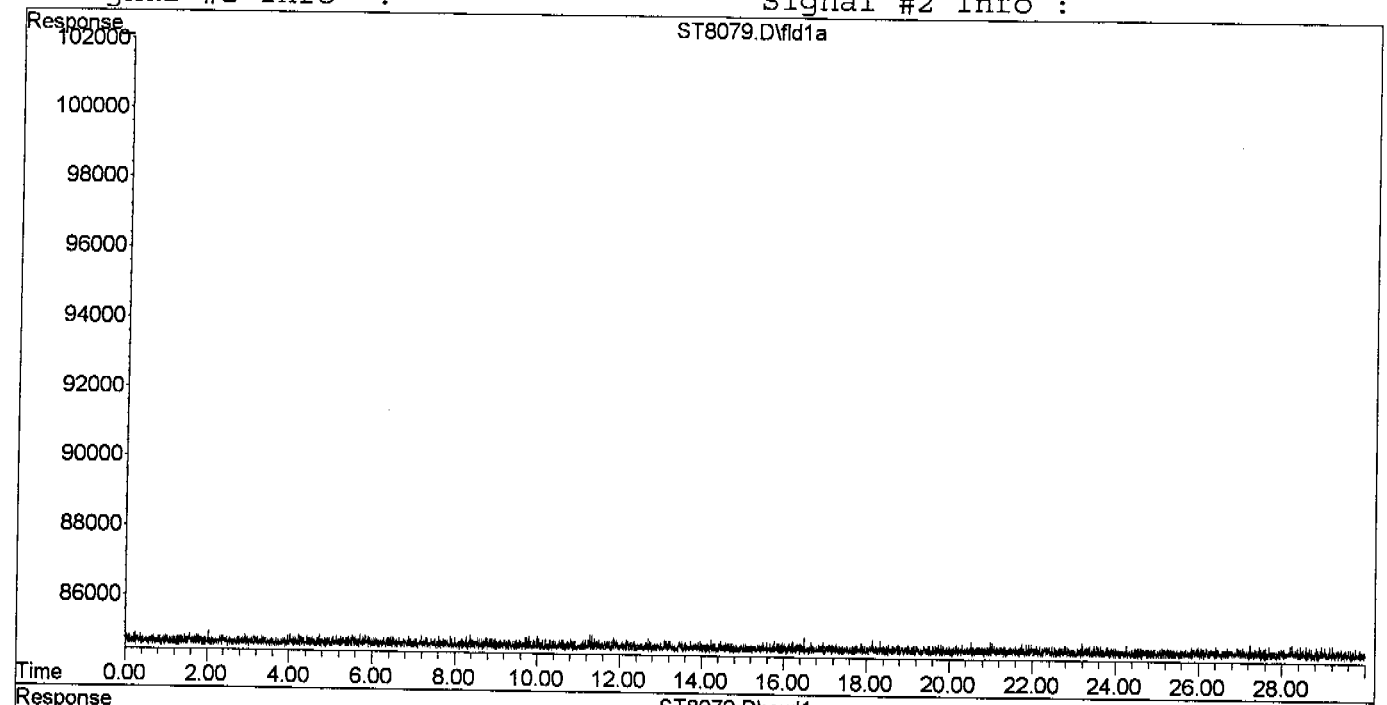
(f)=RT Delta > 1/2 Window (m)=manual int.

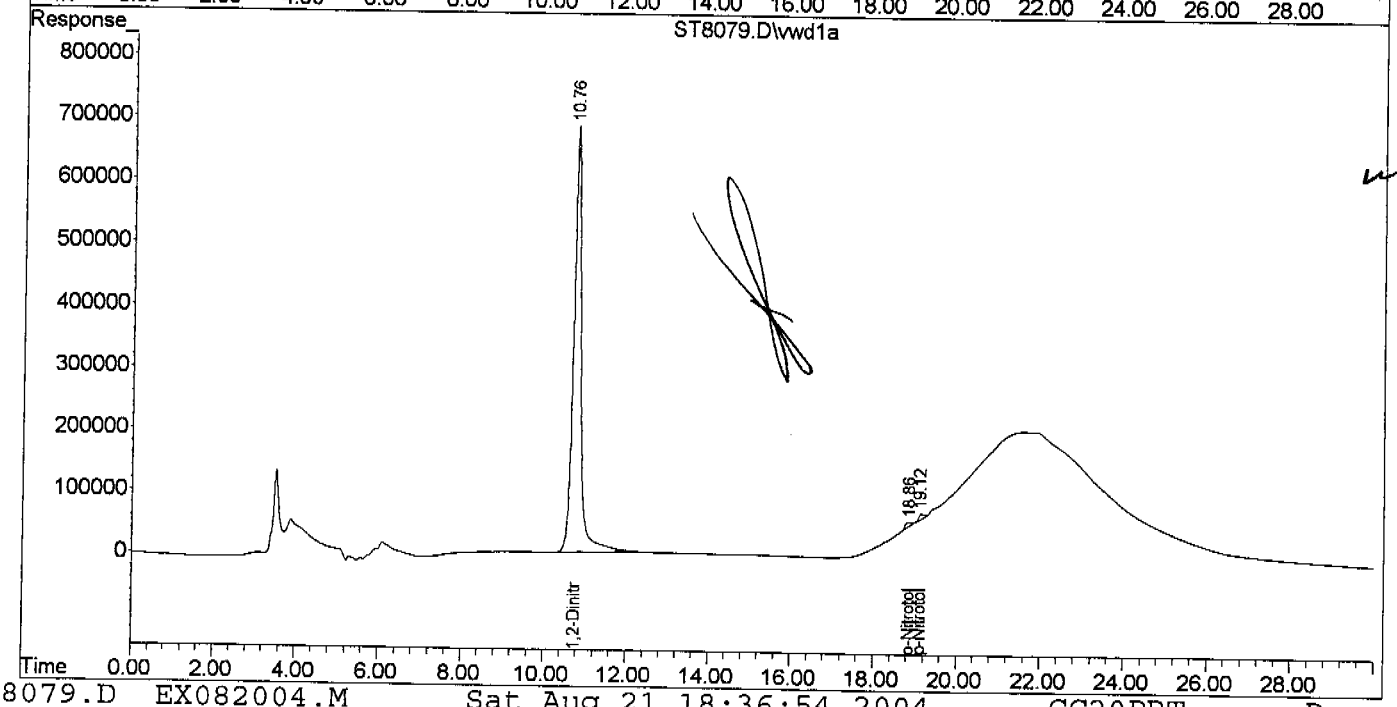
Quantitation Report (QT Reviewed)

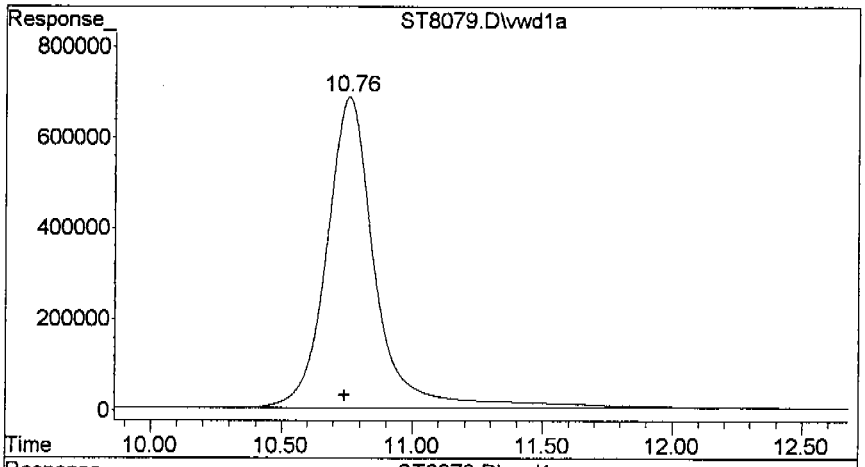
Signal #1 : D:\HPLC1\DATA\082004A\ST8079.D\fld1a.ch Vial: 6
Signal #2 : D:\HPLC1\DATA\082004A\ST8079.D\vwd1a.ch
Acq On : 21-Aug-2004, 12:29:49 Operator: sonal
Sample : n74914-14x Inst : FLD
Misc : op7581,gst368,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:18 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

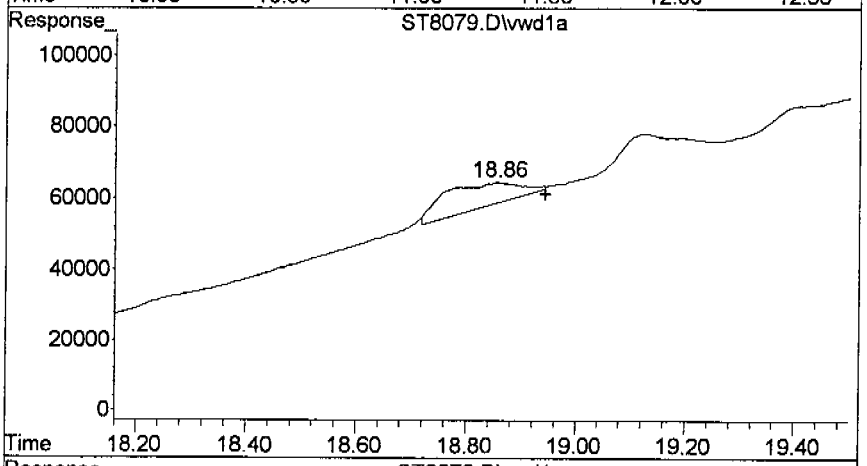






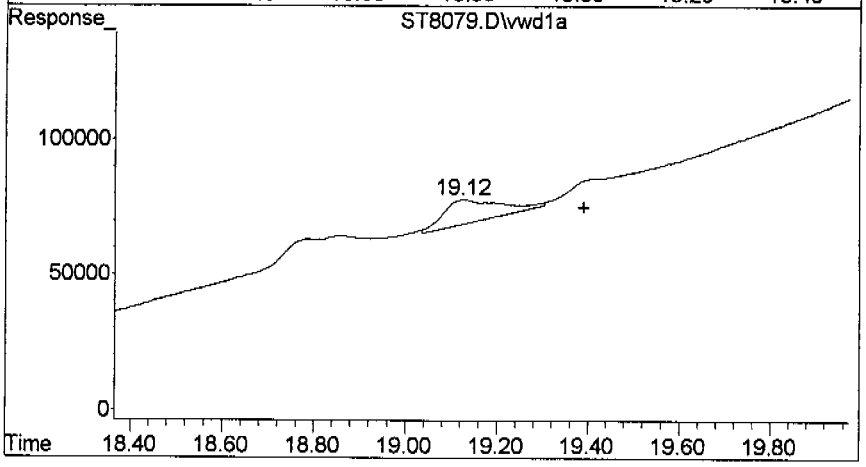
#2 1,2-Dinitrobenzene

R.T.: 10.756 min
Delta R.T.: 0.017 min
Response: 88763086
Conc: 4.18 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.856 min
Delta R.T.: -0.088 min
Response: 653481
Conc: 0.06 ppb m



#16 p-Nitrotoluene

R.T.: 19.120 min
Delta R.T.: -0.270 min
Response: 733354
Conc: 0.06 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9804.D\dad1B.ch Vial: 38
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9804.D\dad1A.ch
Acq On : 22-Aug-2004, 04:04:49 Operator: caobinz
Sample : ~~n74914-15x~~ M41346-15. 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,890,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:37 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.35	15049220	3.966 ug/mlm
Spiked Amount 5.000	Range 24 - 143	Recovery =	79.32%
Target Compounds			

08/22/04

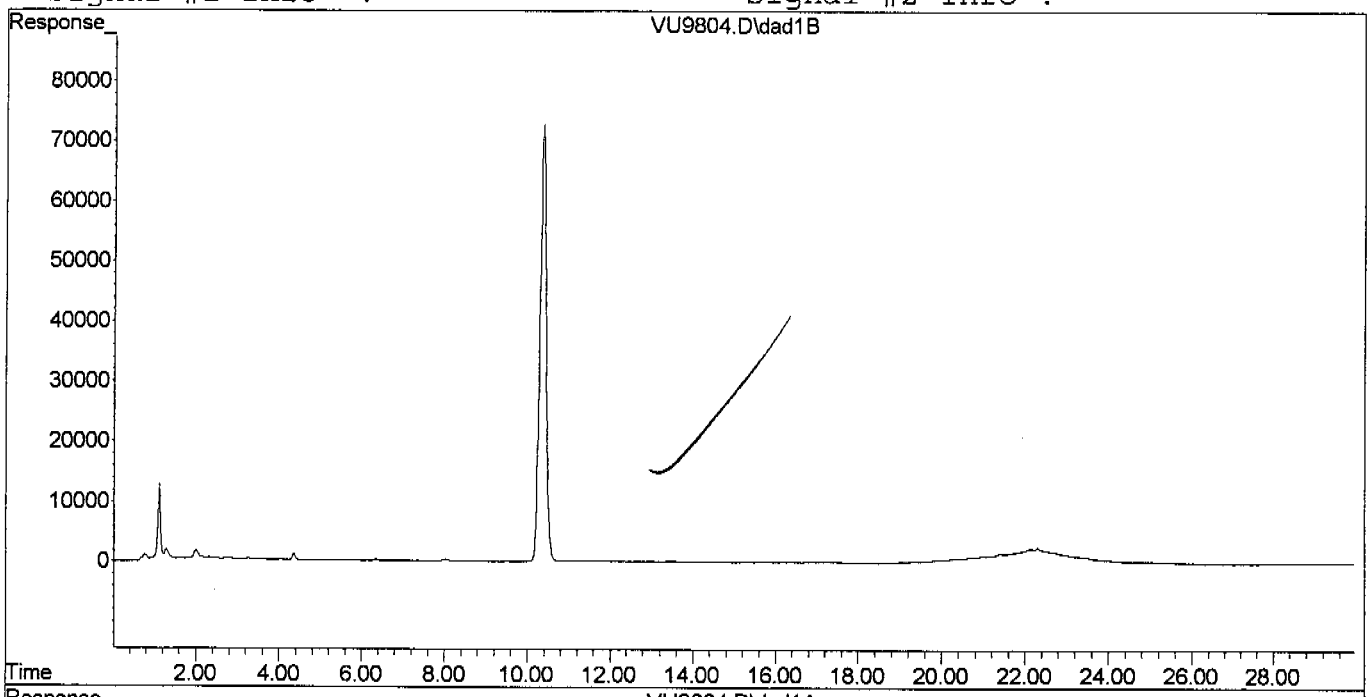
(f)=RT Delta > 1/2 Window (m)=manual int.

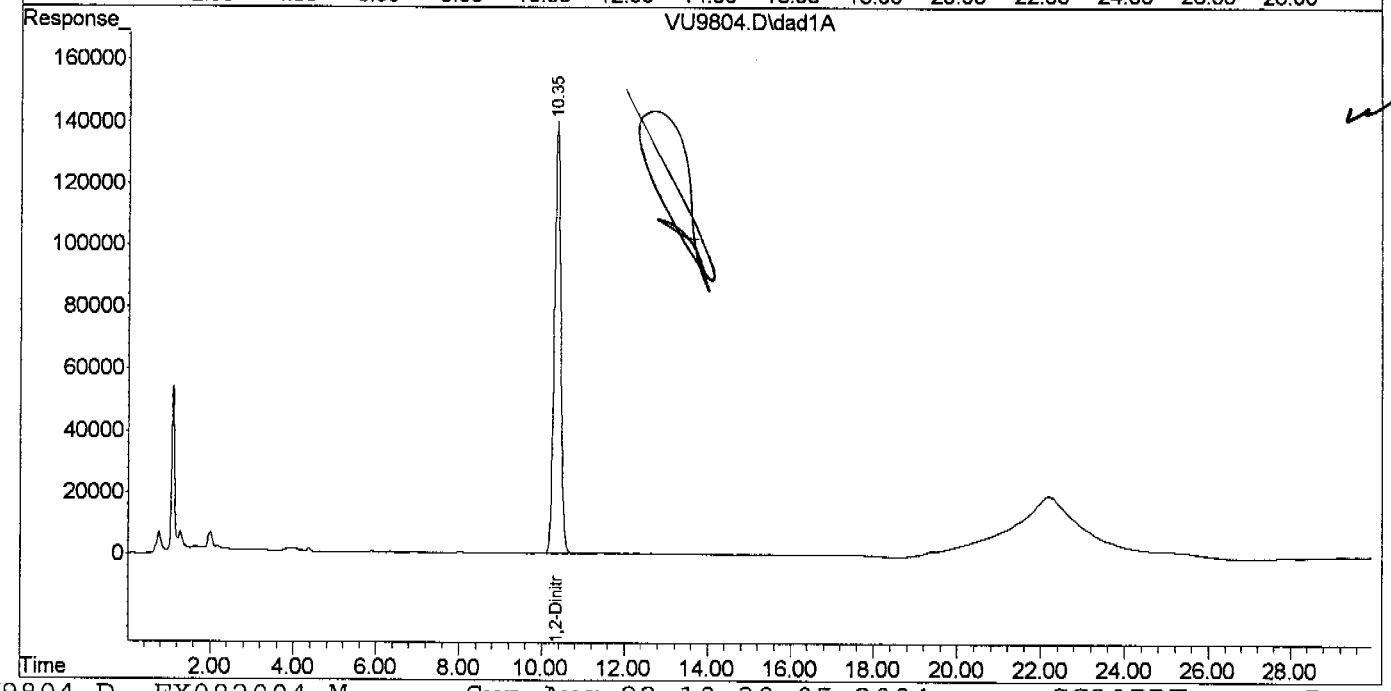
Quantitation Report (QT Reviewed)

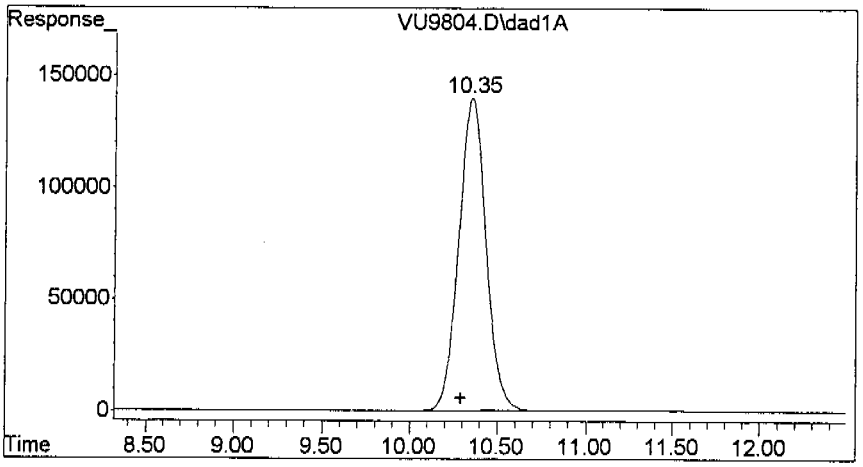
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9804.D\dad1B.ch Vial: 38
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9804.D\dad1A.ch
Acq On : 22-Aug-2004, 04:04:49 Operator: caobinz
Sample : ~~n74914-15x~~ x41346-15 . 2M 9/1/04 Inst : G1315A
Misc : op7581,gvu326,890,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:37 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#5 1,2-Dinitrobenzene

R.T.: 10.351 min
Delta R.T.: 0.060 min
Response: 15049220
Conc: 3.97 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8080.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8080.D\vwd1a.ch
Acq On : 21-Aug-2004, 13:00:27 Operator: sonal
Sample : ~~n74914-15x~~ M 41346-15, JH 9/1/04 Inst : FLD
Misc : op7581,gst368,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:19 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.74	82860540	3.904 ug/mlm
Spiked Amount 5.000	Range 16 - 141	Recovery =	78.08%
Target Compounds			
15) o-Nitrotoluene	18.90 ✓	538115	0.048 ppb m
16) p-Nitrotoluene	19.35 ✓	719408	0.055 ppb m

08/22/04

S

1
1

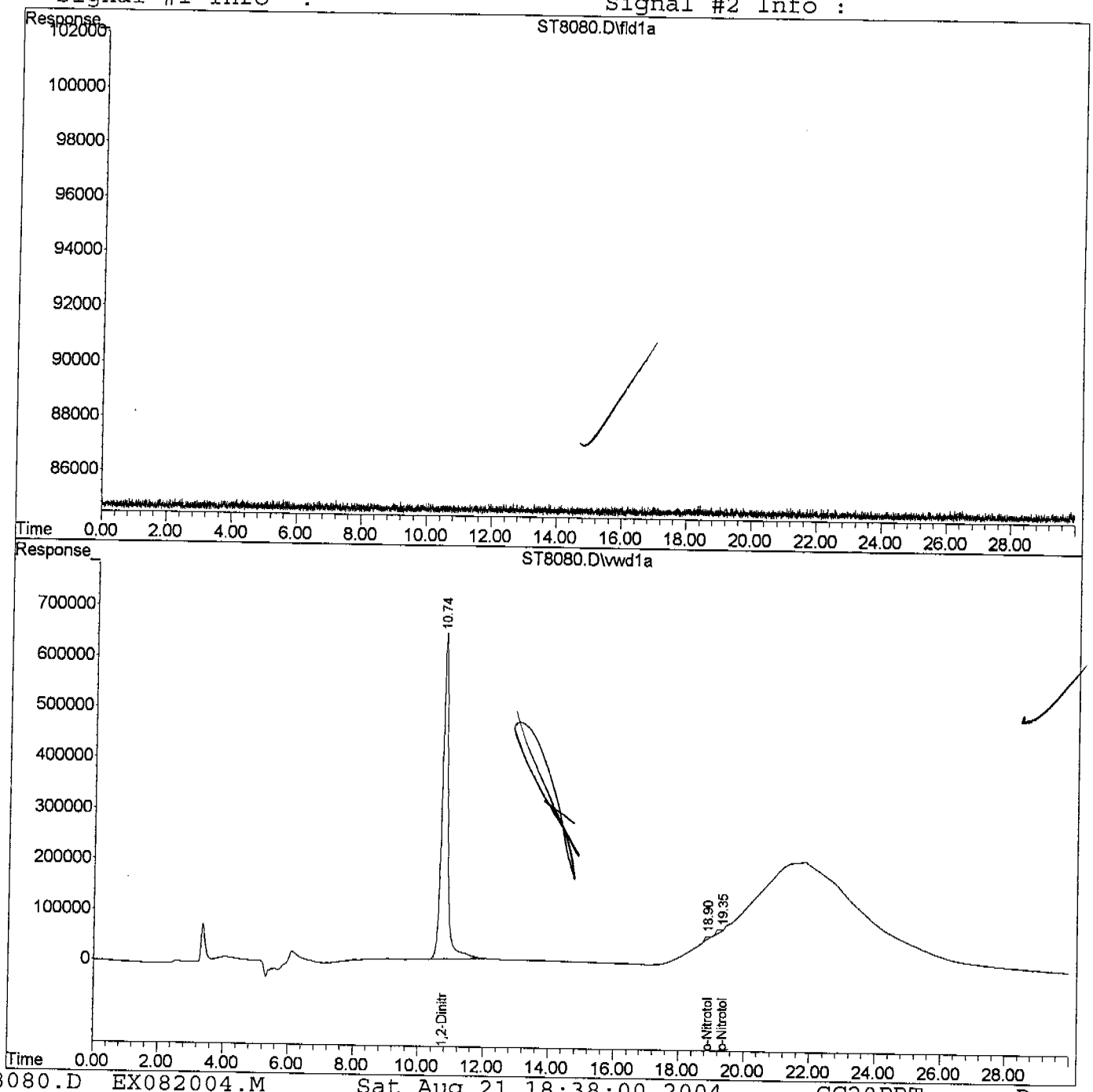
(f)=RT Delta > 1/2 Window (m)=manual int.

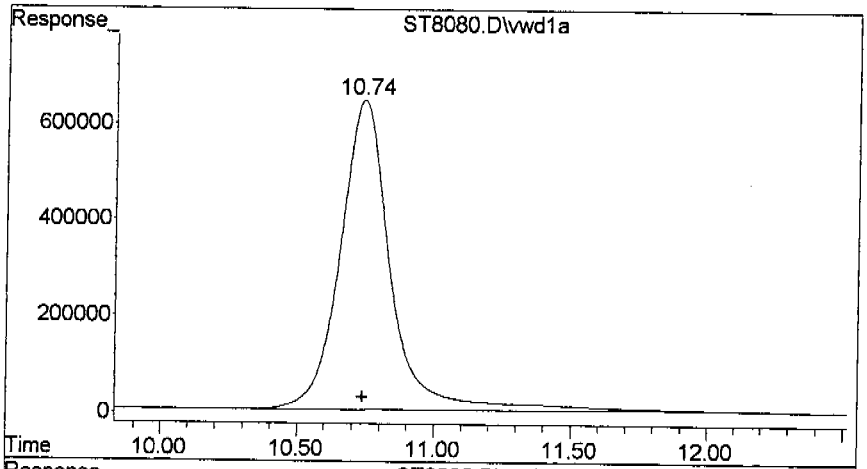
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8080.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8080.D\vwd1a.ch
Acq On : 21-Aug-2004, 13:00:27 Operator: sonal
Sample : ~~n74914 15x~~ M41346-15 JM 9/1/4 Inst : FLD
Misc : op7581,gst368,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:19 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

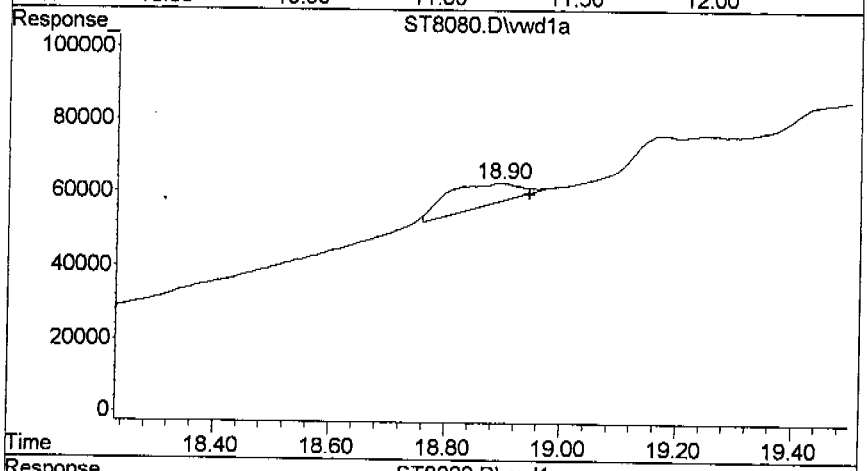
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





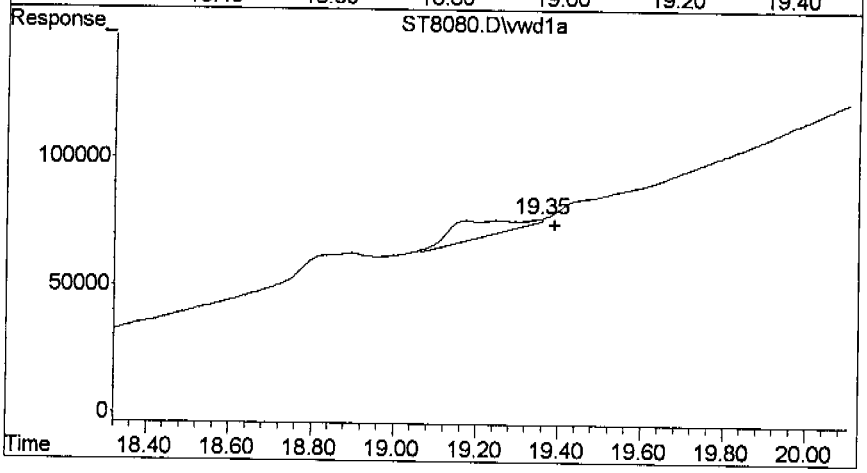
#2 1,2-Dinitrobenzene

R.T.: 10.738 min
Delta R.T.: 0.000 min
Response: 82860540
Conc: 3.90 ug/ml m



#15 o-Nitrotoluene

R.T.: 18.896 min
Delta R.T.: -0.048 min
Response: 538115
Conc: 0.05 ppb m



#16 p-Nitrotoluene

R.T.: 19.353 min
Delta R.T.: -0.036 min
Response: 719408
Conc: 0.05 ppb m

Initial Calibration Data

f330

(Test)

Response Factor Report FLD

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:11:52 2004

Calibration Files

10	=ST8055.D	5	=ST8056.D	2	=ST8057.D
1	=ST8058.D	0.25	=ST8059.D	0.05	=ST8060.D

Signal #2 Calibration Files

10	=ST8055.D	5	=ST8056.D	2	=ST8057.D
1	=ST8058.D	0.25	=ST8059.D	0.05	=ST8060.D

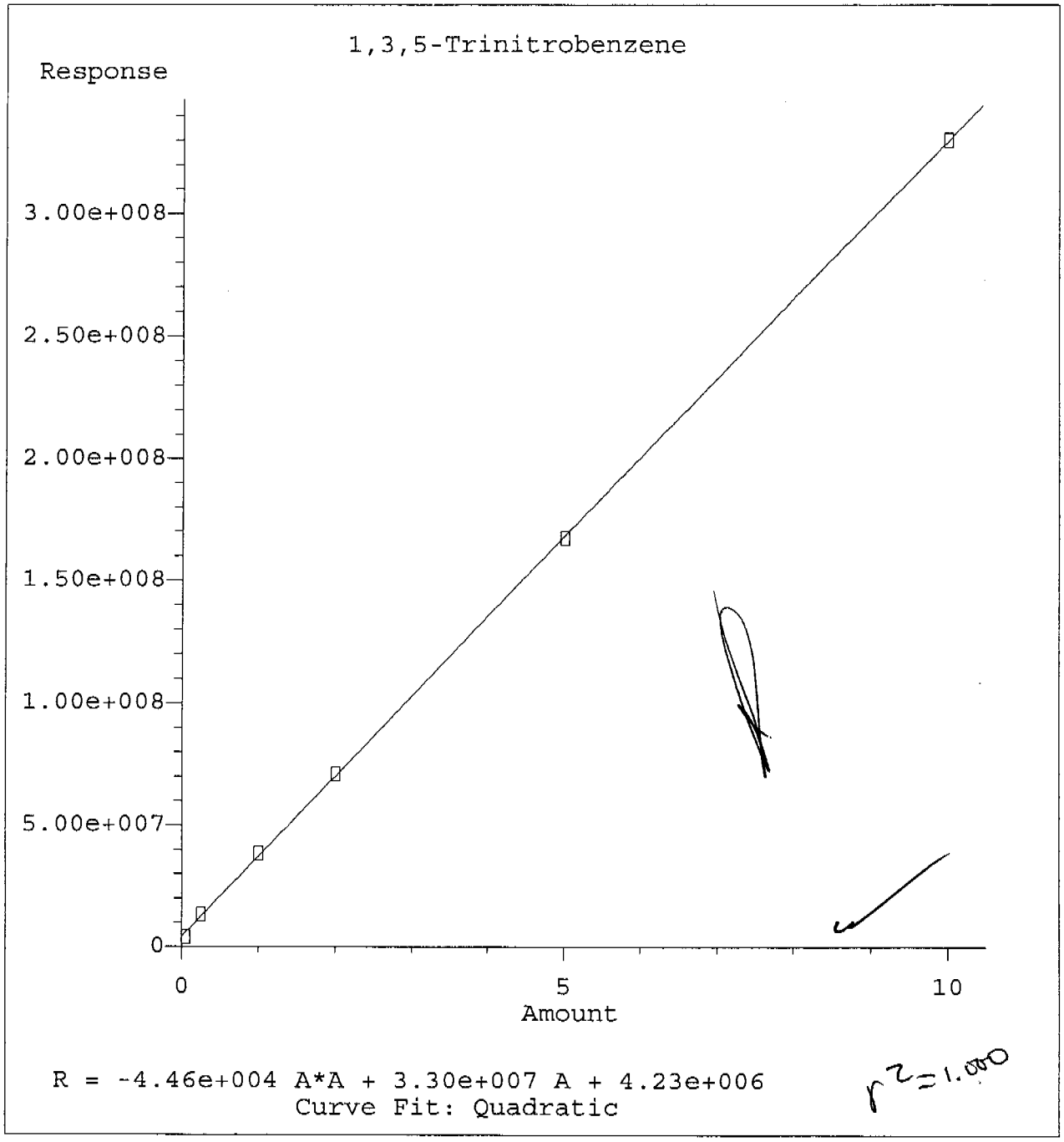
	Compound	10	5	2	1	0.25	0.05	Avg		%RSD
2) s	1,2-Dinitrobenzene	2.007	2.050	2.103	2.043	2.195	2.338	2.123	E7	5.84
3)	HMX	1.810	1.805	1.805	1.776	1.848	2.020	1.844	E7	4.84
4)	RDX	1.427	1.420	1.415	1.427	1.383	1.796	1.478	E7	10.59
5)	1,3,5-Trinitrobenze	3.300	3.343	3.548	3.820	5.298	7.939	4.541	E7*	40.12
6)	1,3-Dinitrobenzene	1.916	1.881	1.872	1.845	1.714	1.803	1.839	E7	3.90
7)	Nitrobenzene	1.348	1.326	1.326	1.285	1.201	1.325	1.302	E7	4.09
8)	2,4,6-Trinitrotolue	2.265	2.244	2.266	2.217	2.082	2.153	2.204	E7	3.32
9)	2,4-Dinitrotoluene	1.430	1.362	1.348	1.259	1.008	0.883	1.215	E7	18.05
10)	PETN	4.764	4.669	4.523	4.655	4.440	5.280	4.722	E6	6.28
11)	Tetryl	2.220	2.179	2.145	2.152	1.909	1.476	2.014	E7	14.15
12)	4-Amino-2,6-Dinitro	2.275	2.235	2.154	2.238	2.115	2.019	2.173	E7	4.41
13)	2-Amino-4,6-Dinitro	2.399	2.344	2.327	2.248	2.230	2.482	2.338	E7	4.03
14)	2,6-Dinitrotoluene	1.586	1.505	1.481	1.377	1.457		1.481	E7*	5.12
15)	o-Nitrotoluene	1.132	1.092	1.059	1.029	1.271		1.116	E7*	8.48
16)	p-Nitrotoluene	1.474	1.411	1.359	1.242	1.539	0.853	1.313	E7	18.81
17)	m-Nitrotoluene	1.621	1.603	1.505	1.513	1.563	0.922	1.454	E7	18.22
18)	2,4-Diamino-6-Nitro	1.906	1.691	1.454	1.470	1.245	1.451	1.536	E7	14.96
19)	2,6-Diamino-4-Nitro	6.186	6.237	6.068	5.930	6.688	8.812	6.653	E7	16.35

(#) = Out of Range

EX082004.M Sat Aug 21 13:12:03 2004 GC20PRT

* Data Reported from GVU 326

08/22/04



Method Name: D:\HPLC1\METHODS\EX082004.M
Calibration Table Last Updated: Sat Aug 21 12:11:11 2004

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8049.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8049.D\vwd1a.ch
Acq On : 20-Aug-2004, 19:30:25 Operator: caobinz
Sample : ic368-10,A 10 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:45 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Mon Feb 09 09:18:12 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	11.30f	201449915	9.590 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	191.80%#
Target Compounds			
3) HMX	6.94	181028747	9.738 ppb m
4) RDX	9.34	142728635	8.133 ppb m
5) 1,3,5-Trinitrobenzene	11.75f	330005891	16.453 ppb m
6) 1,3-Dinitrobenzene	13.63f	191588483	12.728 ppb m
7) Nitrobenzene	14.88f	134778014	6.604 ppb m
8) 2,4,6-Trinitrotoluene	15.81f	226487033	12.034 ppb m
9) 2,4-Dinitrotoluene	18.20f	142960942	8.773 ppb m
10) PETN	19.20	47642396	4.152 ppb m

8/22/04

8/22/04

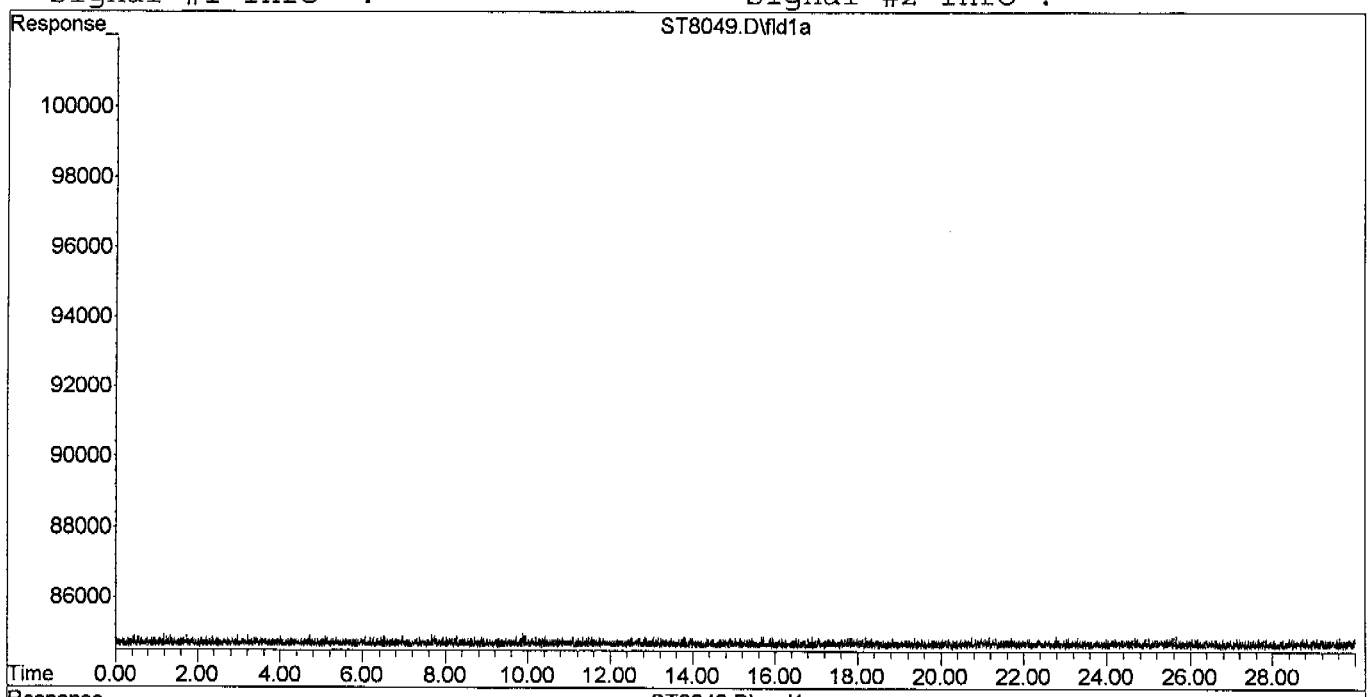
(f)=RT Delta > 1/2 Window (m)=manual int.

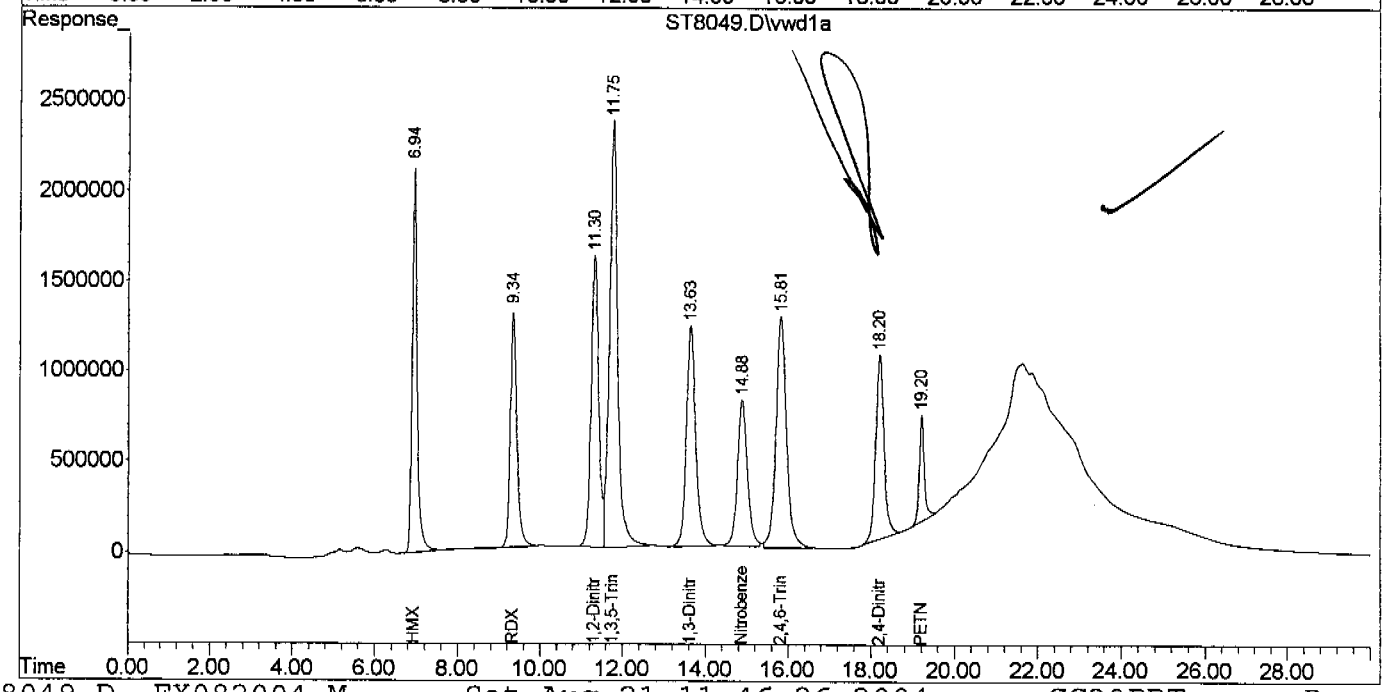
Quantitation Report (QT Reviewed)

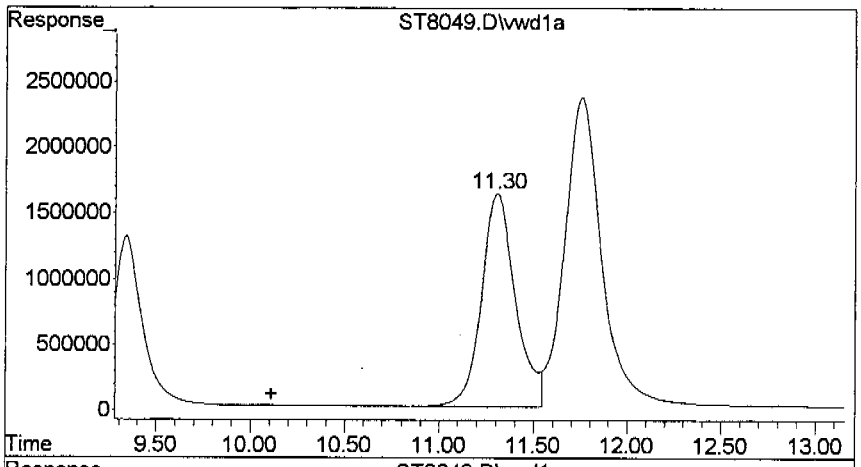
Signal #1 : D:\HPLC1\DATA\082004A\ST8049.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8049.D\vwd1a.ch
Acq On : 20-Aug-2004, 19:30:25 Operator: caobinz
Sample : ic368-10,A 10 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:45 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Mon Feb 09 09:18:12 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

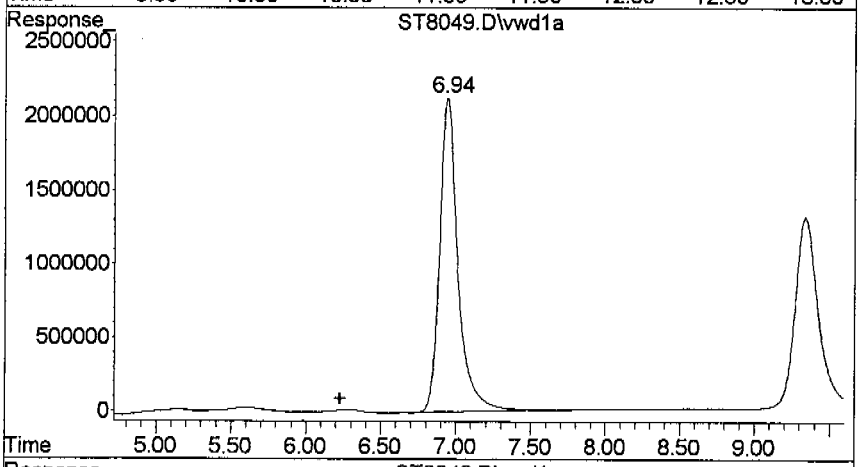






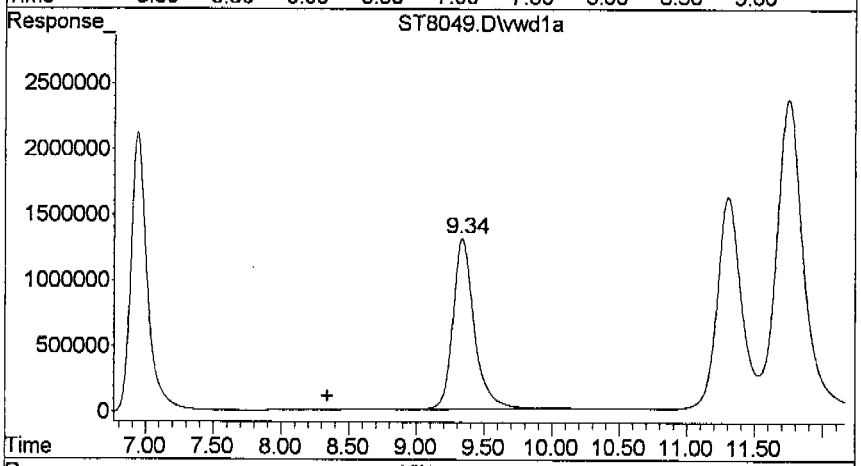
#2 1,2-Dinitrobenzene

R.T.: 11.303 min
Delta R.T.: 1.195 min
Response: 201449915
Conc: 9.59 ug/ml m



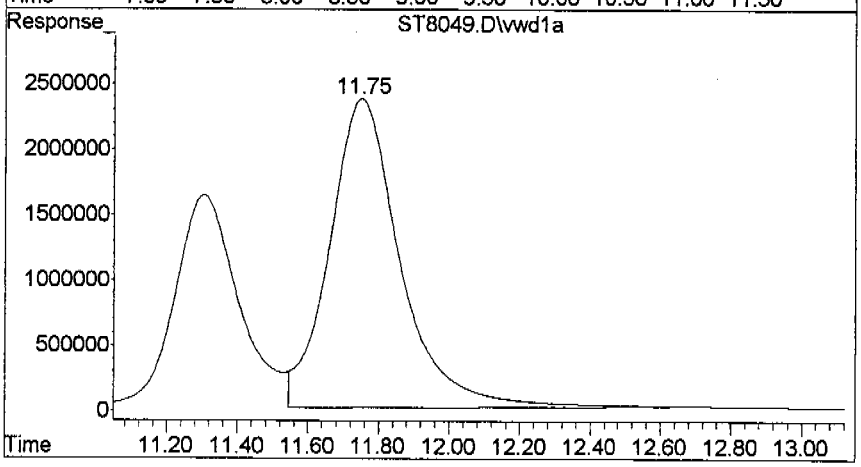
#3 HMX

R.T.: 6.940 min
Delta R.T.: 0.714 min
Response: 181028747
Conc: 9.74 ppb m



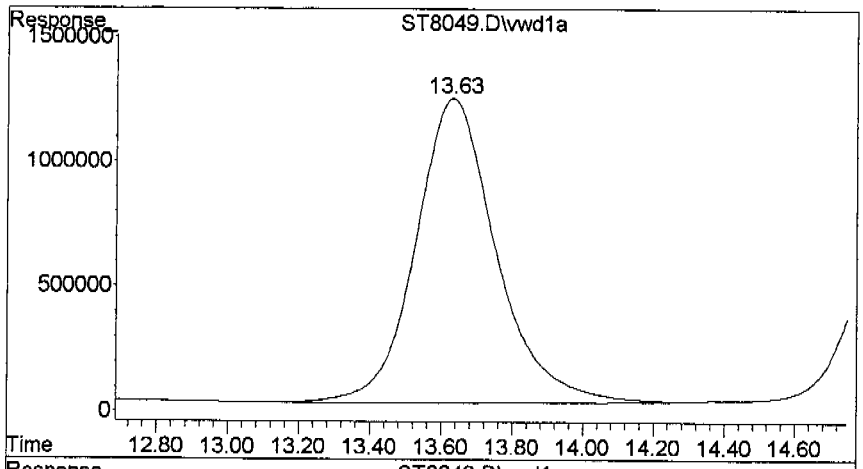
#4 RDX

R.T.: 9.336 min
Delta R.T.: 0.993 min
Response: 142728635
Conc: 8.13 ppb m



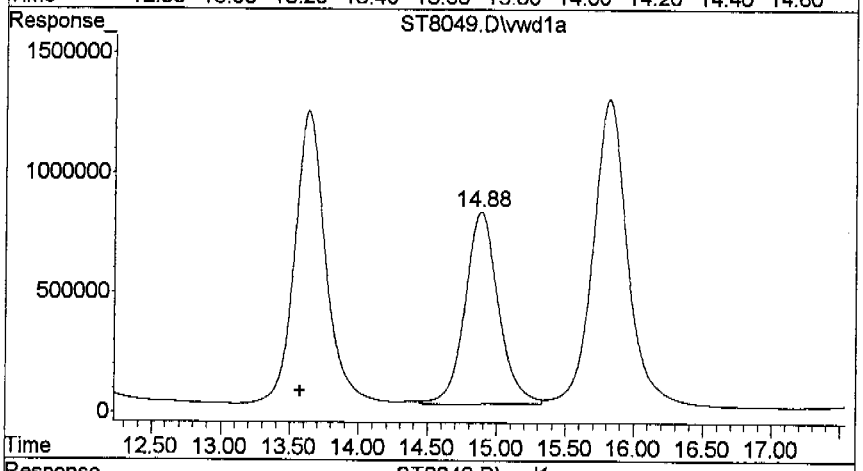
#5 1,3,5-Trinitrobenzene

R.T.: 11.749 min
Delta R.T.: 1.039 min
Response: 330005891
Conc: 16.45 ppb m



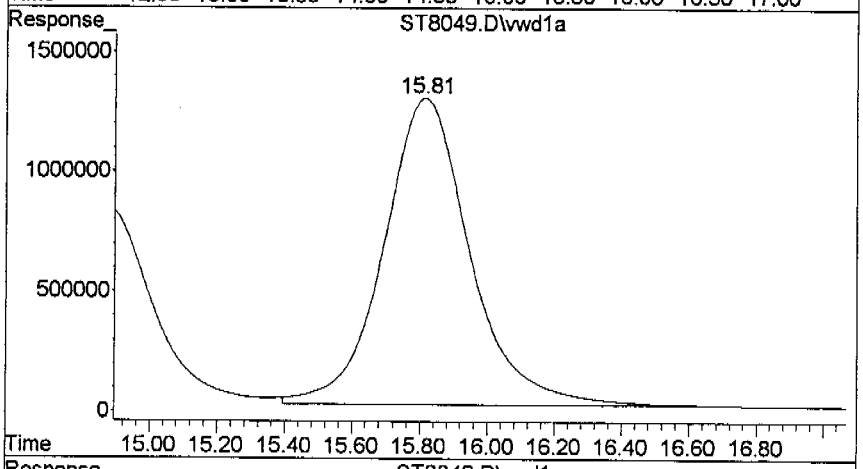
#6 1,3-Dinitrobenzene

R.T.: 13.629 min
Delta R.T.: 1.191 min
Response: 191588483
Conc: 12.73 ppb m



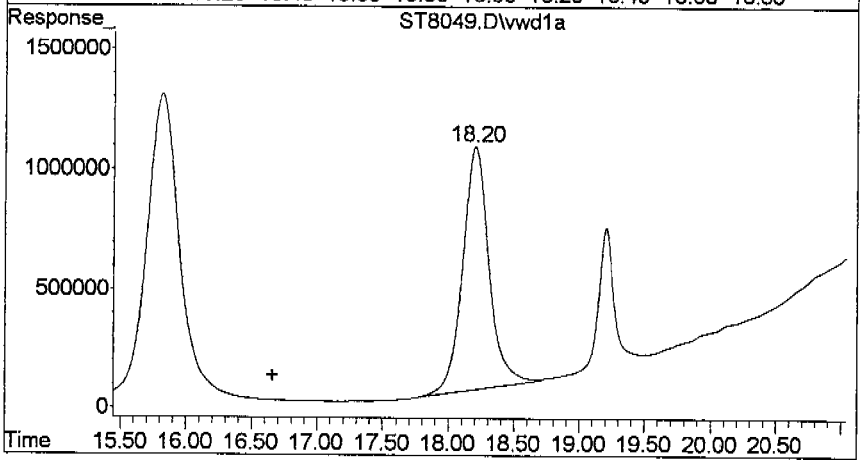
#7 Nitrobenzene

R.T.: 14.878 min
Delta R.T.: 1.308 min
Response: 134778014
Conc: 6.60 ppb m



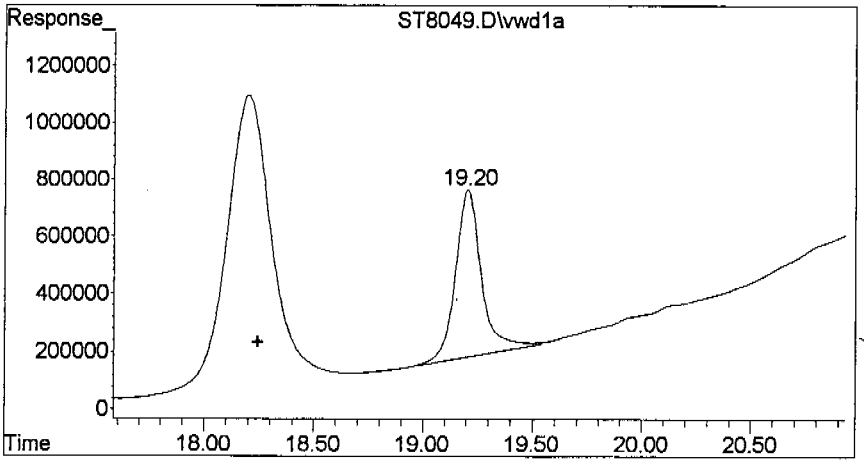
#8 2,4,6-Trinitrotoluene

R.T.: 15.813 min
Delta R.T.: 1.506 min
Response: 226487033
Conc: 12.03 ppb m



#9 2,4-Dinitrotoluene

R.T.: 18.199 min
Delta R.T.: 1.543 min
Response: 142960942
Conc: 8.77 ppb m



#10 PETN

R.T.: 19.203 min
Delta R.T.: 0.961 min
Response: 47642396
Conc: 4.15 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8050.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8050.D\vwd1a.ch
Acq On : 20-Aug-2004, 20:01:03 Operator: caobinz
Sample : icc368-5,A 5 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:49 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:46:42 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.82	98916855	1.940 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	38.80%
Target Compounds			
3) HMX	6.53	90231729	2.743 ppb m
4) RDX	8.88	71018605	1.855 ppb m
5) 1,3,5-Trinitrobenzene	11.33	167148222	4.945 ppb m
6) 1,3-Dinitrobenzene	13.20	94064991	2.112 ppb m
7) Nitrobenzene	14.45	66322450	1.683 ppb m
8) 2,4,6-Trinitrotoluene	15.34	112197231	2.107 ppb m
9) 2,4-Dinitrotoluene	17.84	68078193	2.804 ppb m
10) PETN	19.03	23346631	1.324 ppb m

08/22/04

8/22/04

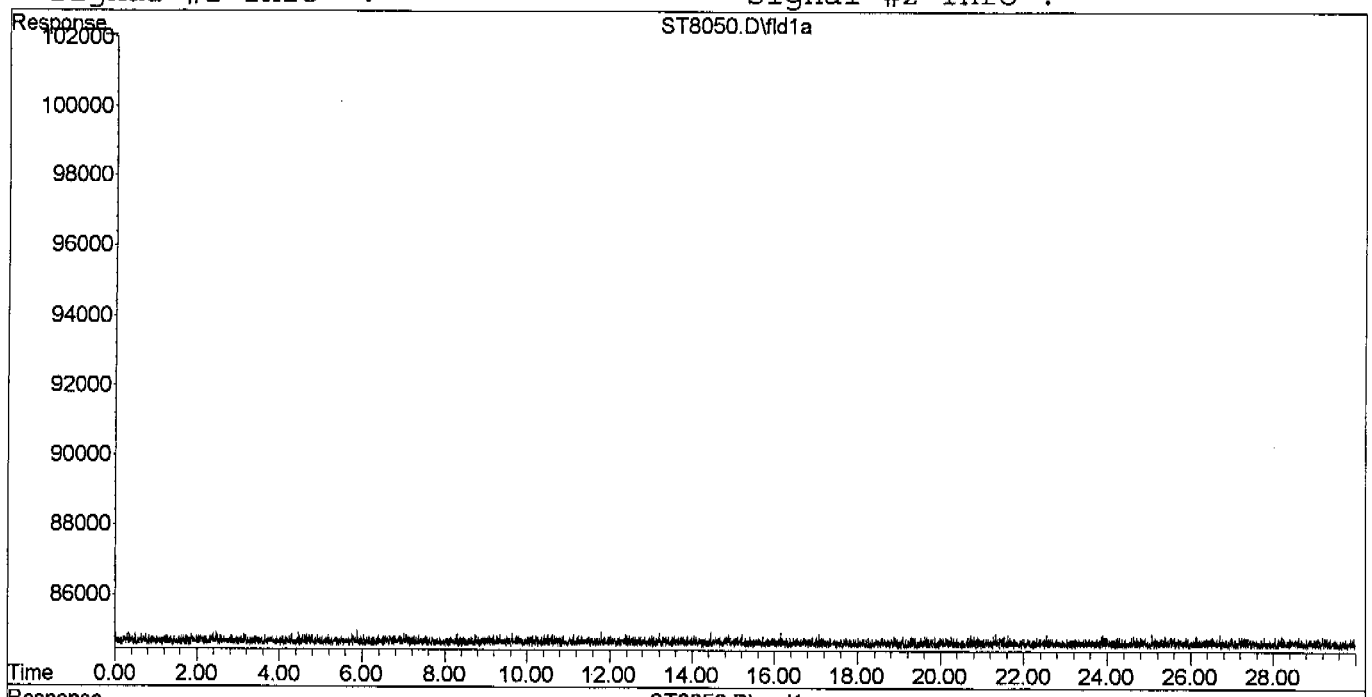
(f)=RT Delta > 1/2 Window (m)=manual int.

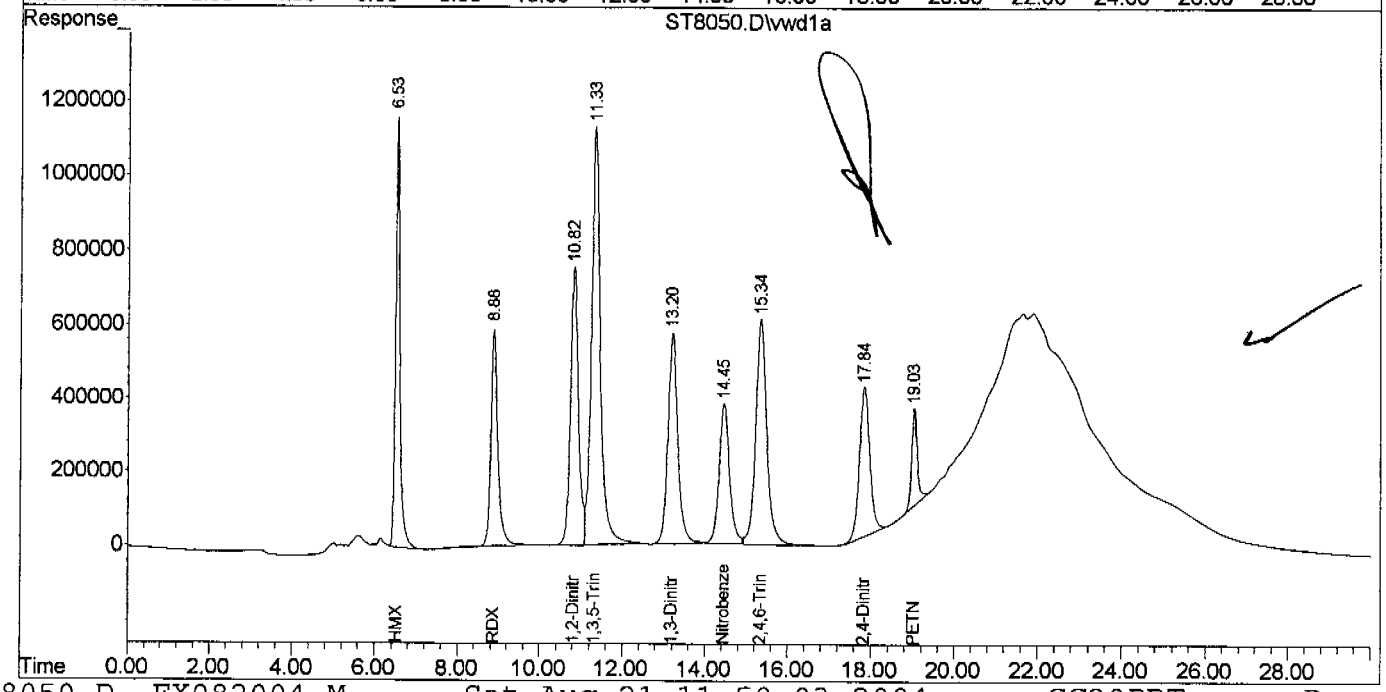
Quantitation Report (QT Reviewed)

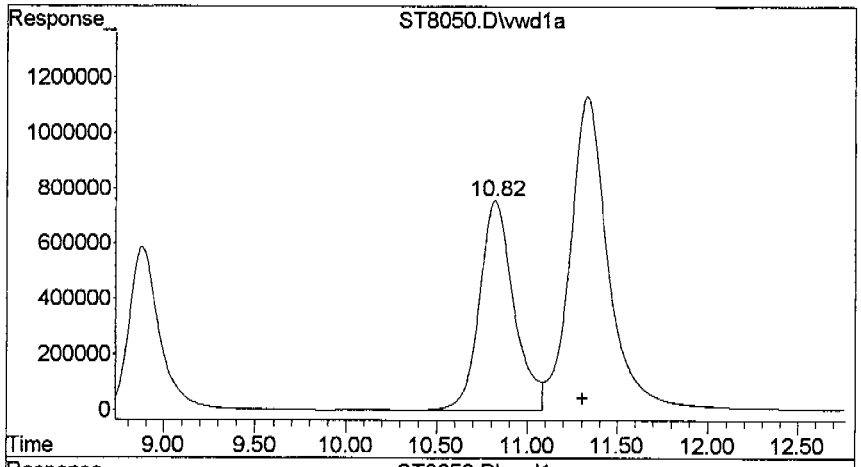
Signal #1 : D:\HPLC1\DATA\082004A\ST8050.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8050.D\vwd1a.ch
Acq On : 20-Aug-2004, 20:01:03 Operator: caobinz
Sample : icc368-5,A 5 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:49 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:46:42 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

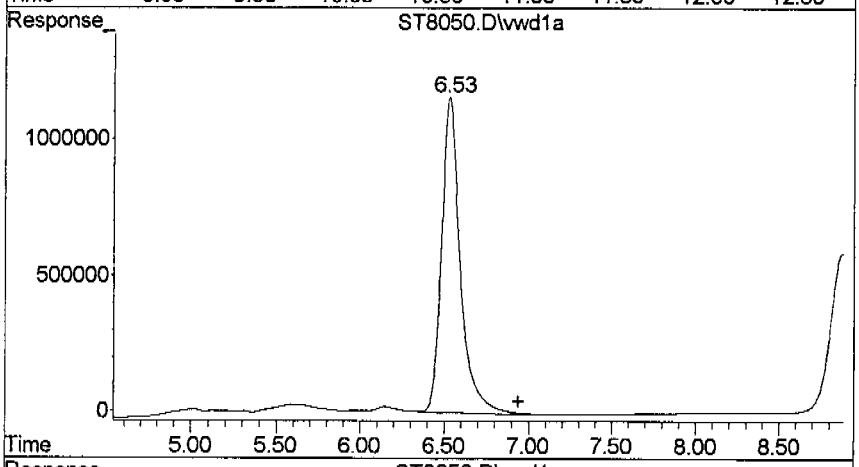






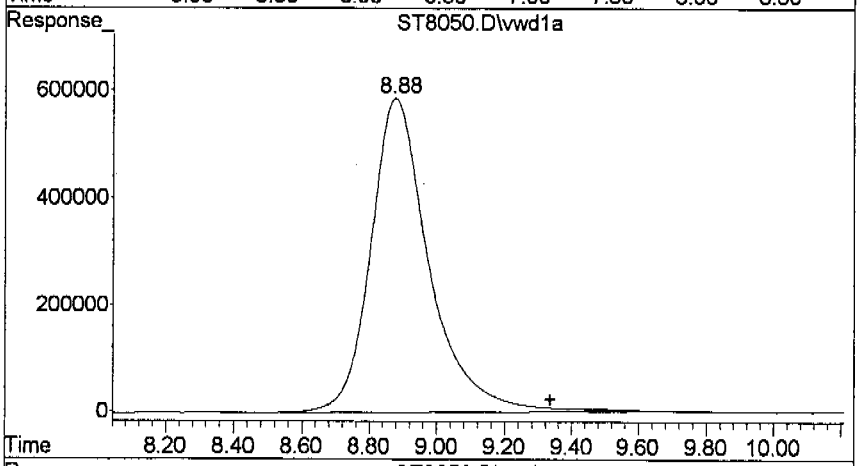
#2 1,2-Dinitrobenzene

R.T.: 10.819 min
Delta R.T.: -0.485 min
Response: 98916855
Conc: 1.94 ug/ml m



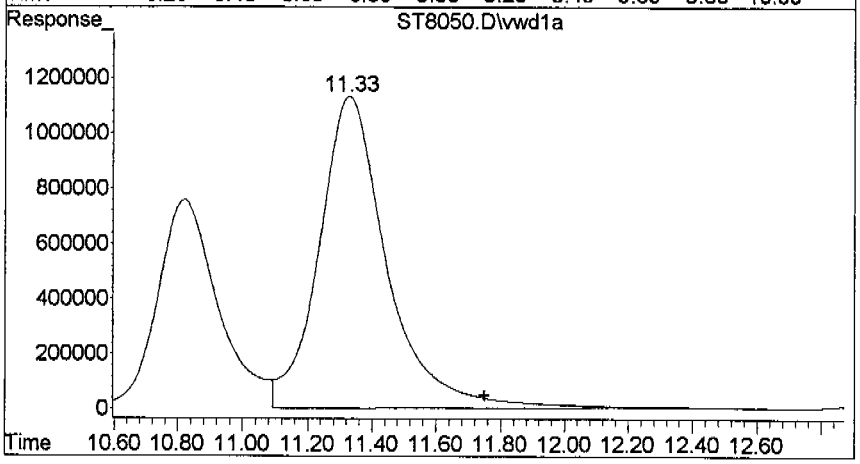
#3 HMX

R.T.: 6.527 min
Delta R.T.: -0.413 min
Response: 90231729
Conc: 2.74 ppb m



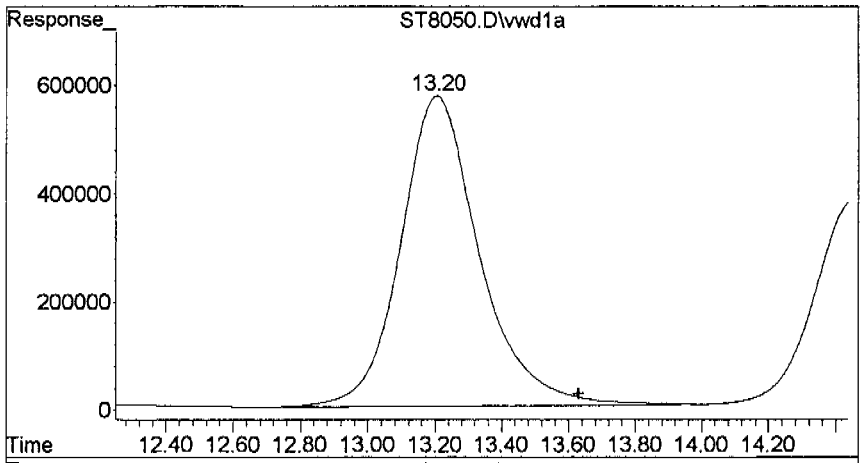
#4 RDX

R.T.: 8.877 min
Delta R.T.: -0.460 min
Response: 71018605
Conc: 1.85 ppb m



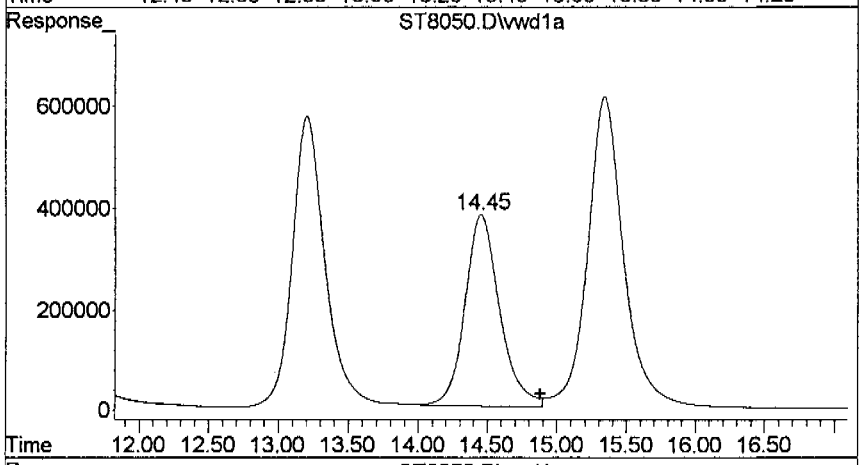
#5 1,3,5-Trinitrobenzene

R.T.: 11.328 min
Delta R.T.: -0.421 min
Response: 167148222
Conc: 4.94 ppb m



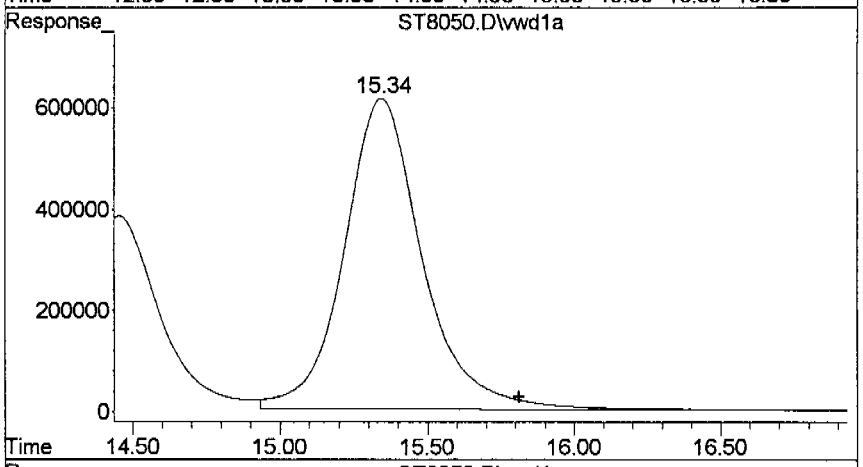
#6 1,3-Dinitrobenzene

R.T.: 13.204 min
Delta R.T.: -0.425 min
Response: 94064991
Conc: 2.11 ppb m



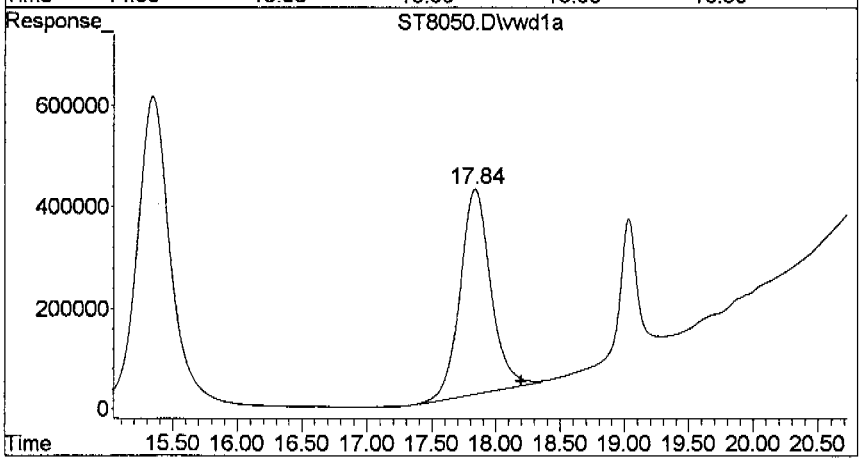
#7 Nitrobenzene

R.T.: 14.450 min
Delta R.T.: -0.428 min
Response: 66322450
Conc: 1.68 ppb m



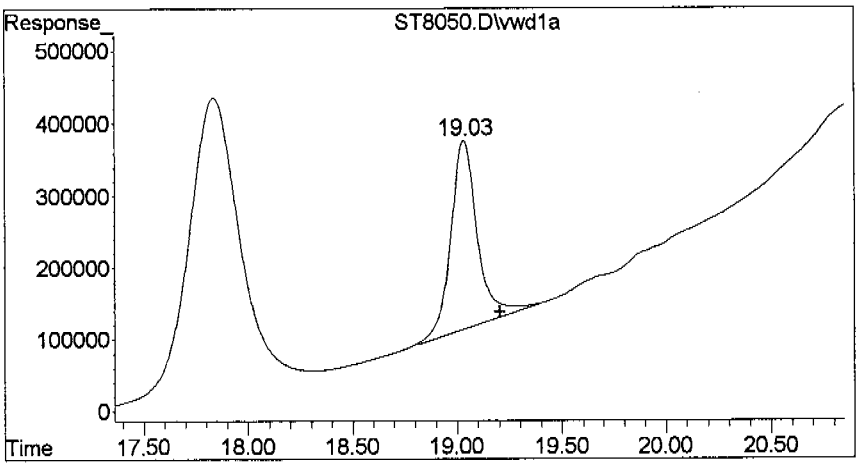
#8 2,4,6-Trinitrotoluene

R.T.: 15.342 min
Delta R.T.: -0.471 min
Response: 112197231
Conc: 2.11 ppb m



#9 2,4-Dinitrotoluene

R.T.: 17.837 min
Delta R.T.: -0.362 min
Response: 68078193
Conc: 2.80 ppb m



#10 PETN

R.T.: 19.030 min
Delta R.T.: -0.173 min
Response: 23346631
Conc: 1.32 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8051.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8051.D\vwd1a.ch
Acq On : 20-Aug-2004, 20:31:40 Operator: caobinz
Sample : ic368-2,A 2 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:51 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:50:16 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.97	41408223	0.813 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	16.26%
Target Compounds			
4) RDX	8.96	28294581	0.755 ppb m
6) 1,3-Dinitrobenzene	13.40	37443460	0.812 ppb m
7) Nitrobenzene	14.69	26526084	0.711 ppb m
8) 2,4,6-Trinitrotoluene	15.62	45319404	0.840 ppb m
9) 2,4-Dinitrotoluene	18.10	26962610	406.928 ppb m
10) PETN	19.19	9045965	0.594 ppb m

8/21/04

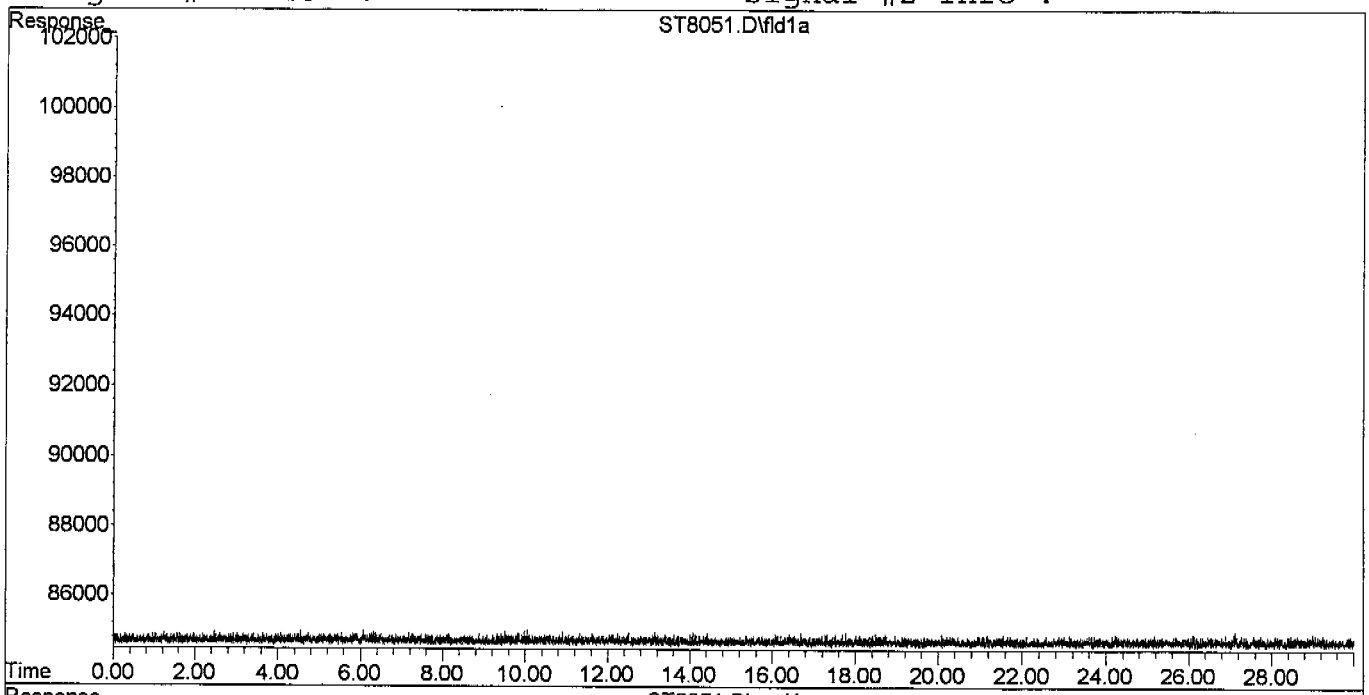
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8051.D EX082004.M Sat Aug 21 12:01 2004 GC20PRT Page 1

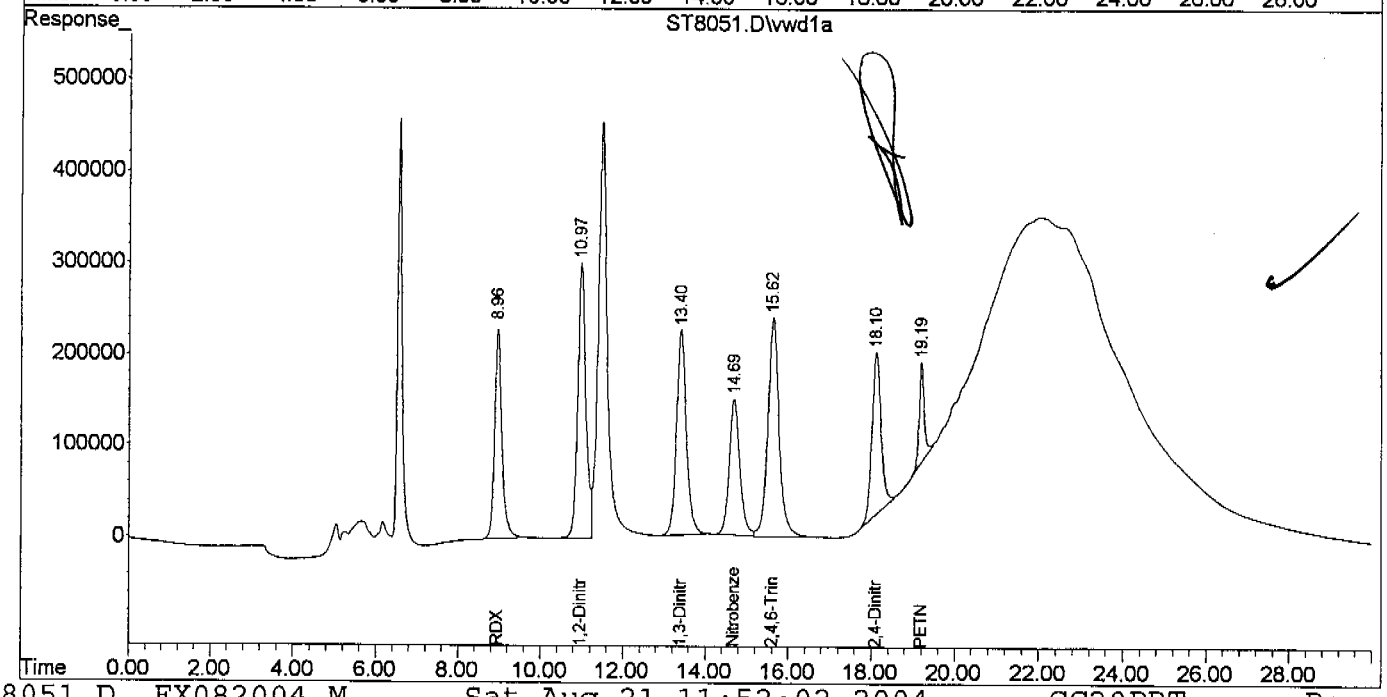
Quantitation Report (QT Reviewed)

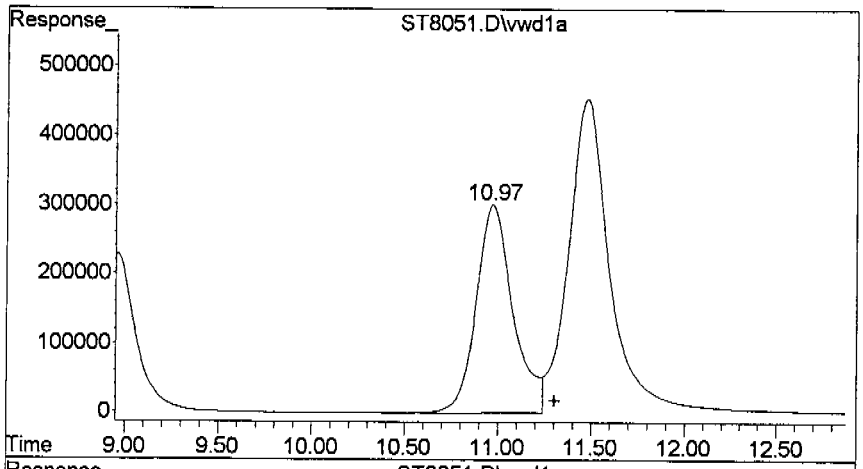
Signal #1 : D:\HPLC1\DATA\082004A\ST8051.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8051.D\vwd1a.ch
Acq On : 20-Aug-2004, 20:31:40 Operator: caobinz
Sample : ic368-2,A 2 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:51 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:50:16 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

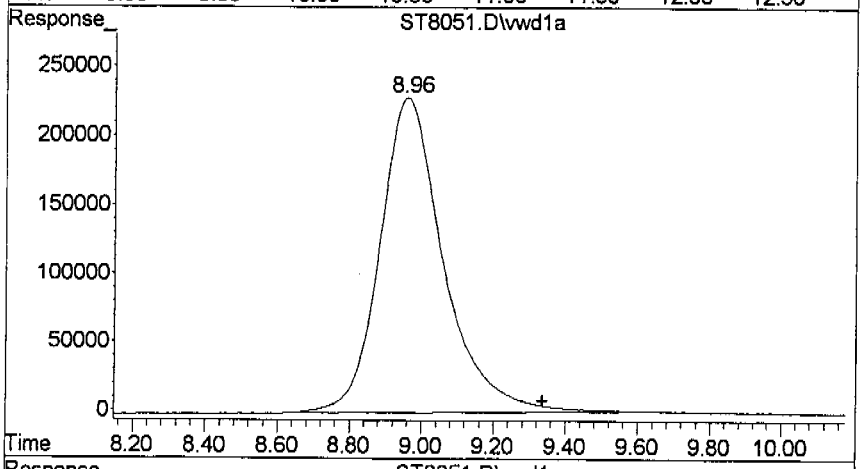






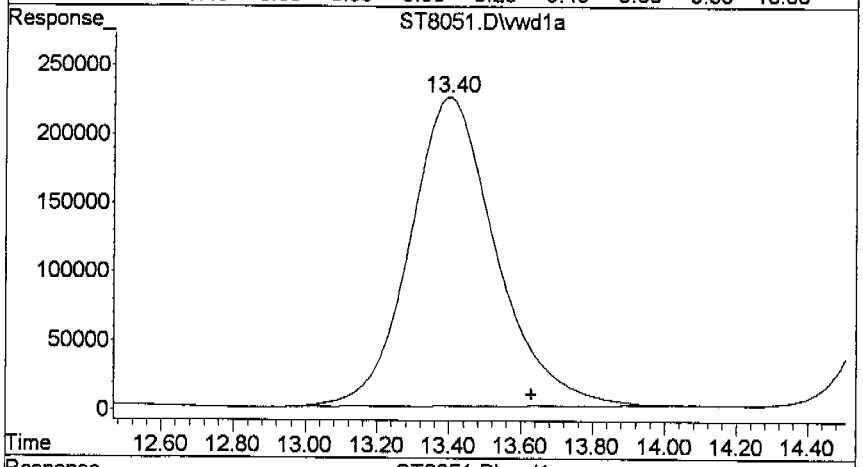
#2 1,2-Dinitrobenzene

R.T.: 10.967 min
Delta R.T.: -0.336 min
Response: 41408223
Conc: 0.81 ug/ml m



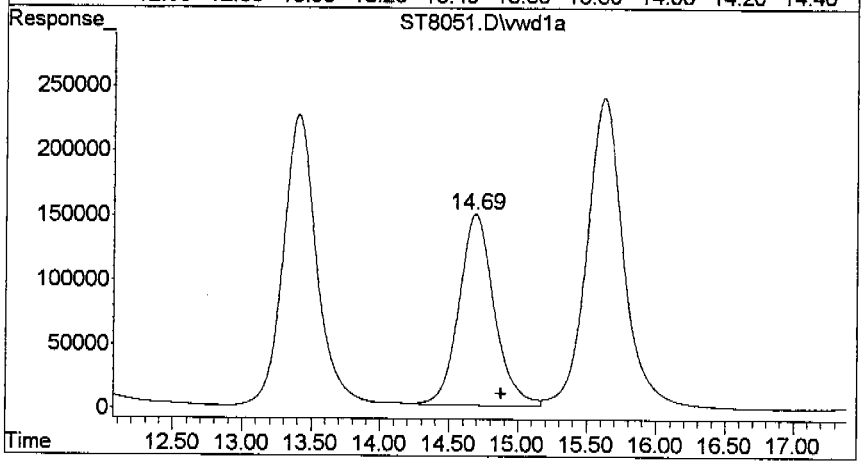
#4 RDX

R.T.: 8.958 min
Delta R.T.: -0.378 min
Response: 28294581
Conc: 0.75 ppb m



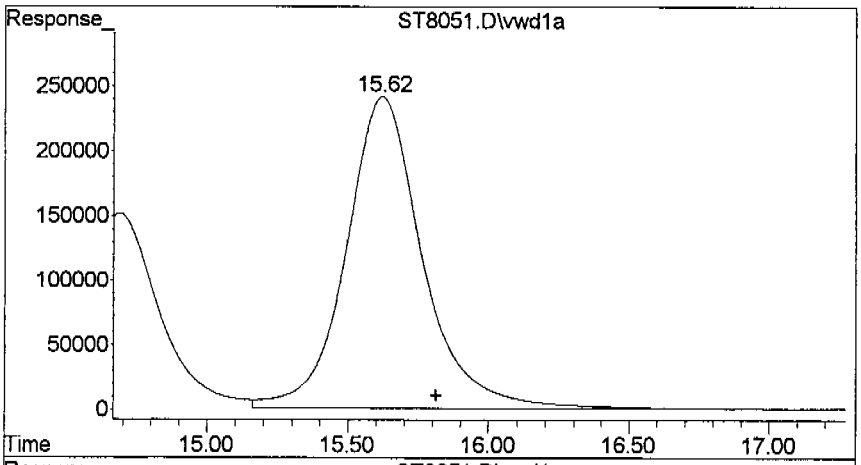
#6 1,3-Dinitrobenzene

R.T.: 13.400 min
Delta R.T.: -0.229 min
Response: 37443460
Conc: 0.81 ppb m



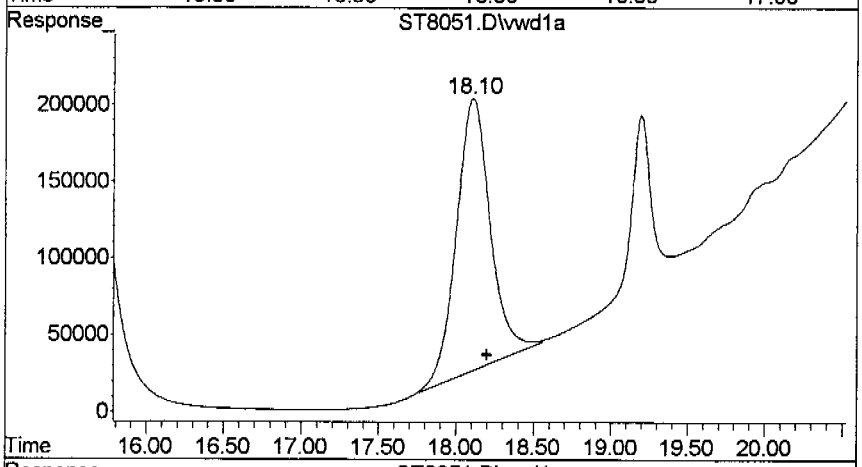
#7 Nitrobenzene

R.T.: 14.687 min
Delta R.T.: -0.191 min
Response: 26526084
Conc: 0.71 ppb m



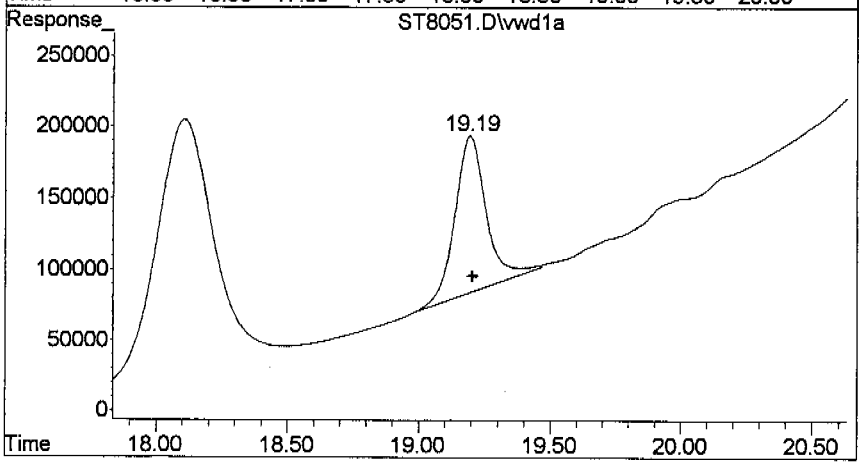
#8 2,4,6-Trinitrotoluene

R.T.: 15.619 min
Delta R.T.: -0.194 min
Response: 45319404
Conc: 0.84 ppb m



#9 2,4-Dinitrotoluene

R.T.: 18.103 min
Delta R.T.: -0.095 min
Response: 26962610
Conc: 406.93 ppb m



#10 PETN

R.T.: 19.193 min
Delta R.T.: -0.010 min
Response: 9045965
Conc: 0.59 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8052.D\fld1a.ch Vial: 4
Signal #2 : D:\HPLC1\DATA\082004A\ST8052.D\vwd1a.ch
Acq On : 20-Aug-2004, 21:02:19 Operator: caobinz
Sample : ic368-1,A 1 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:53 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:51:49 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.97	21465558	0.421 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	8.42%#
Target Compounds			
4) RDX	8.95	14267497	0.386 ppb m
6) 1,3-Dinitrobenzene	13.40	18447620	0.395 ppb m
7) Nitrobenzene	14.68	12850558	0.355 ppb m
8) 2,4,6-Trinitrotoluene	15.60	22171464	0.410 ppb m
10) PETN	19.16	4655171	0.330 ppb m

08/22/04

8/22/04

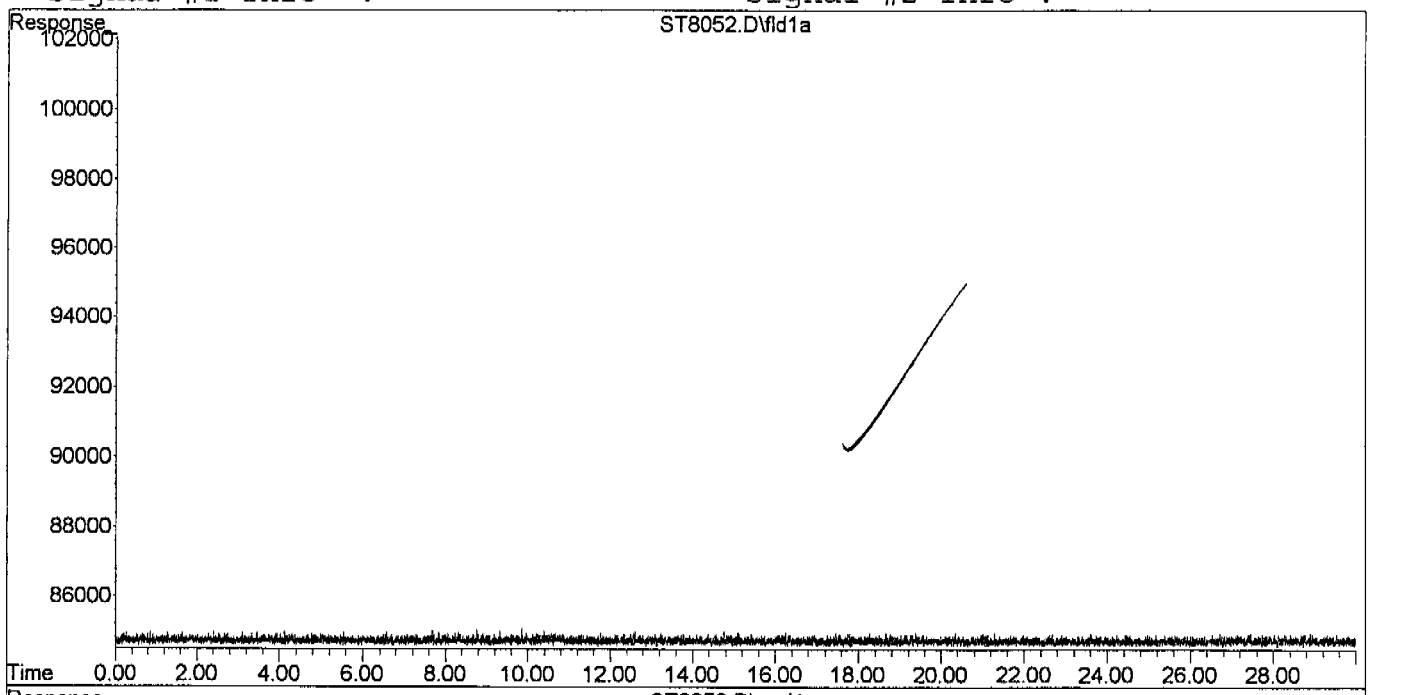
(f)=RT Delta > 1/2 Window (m)=manual int.

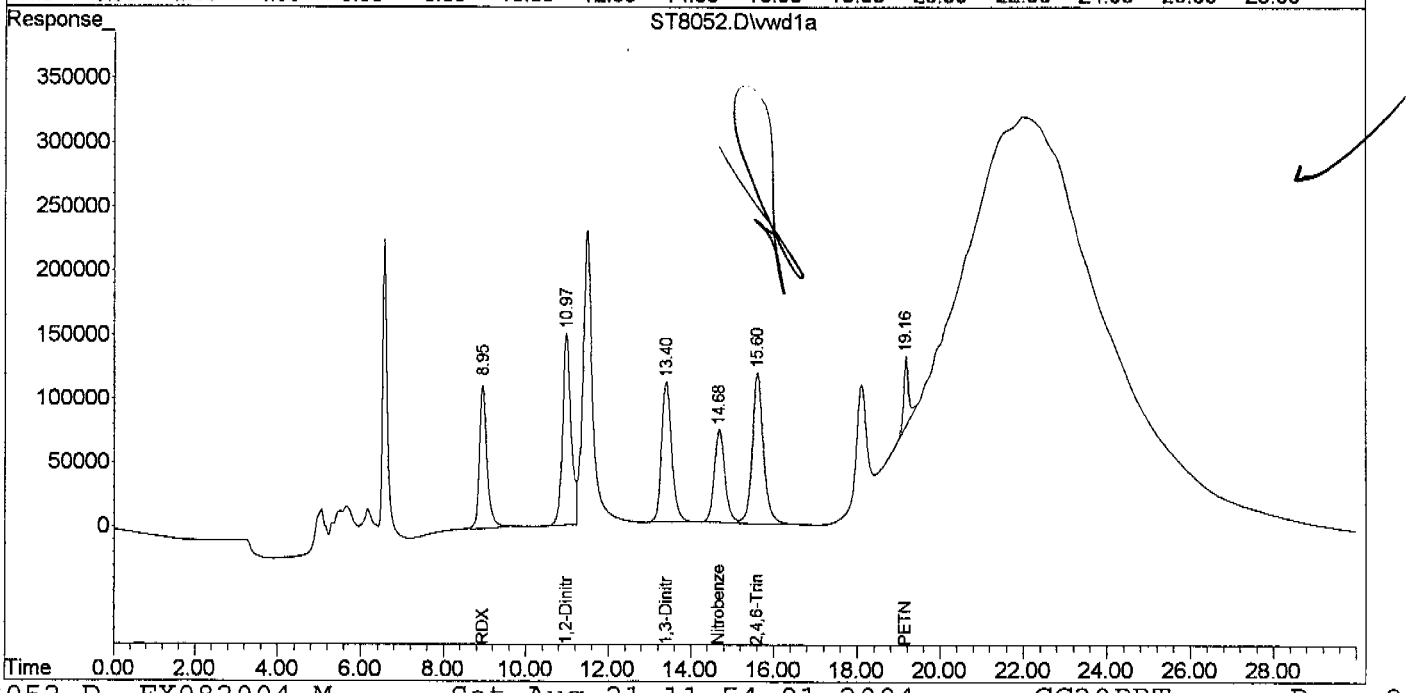
Quantitation Report (QT Reviewed)

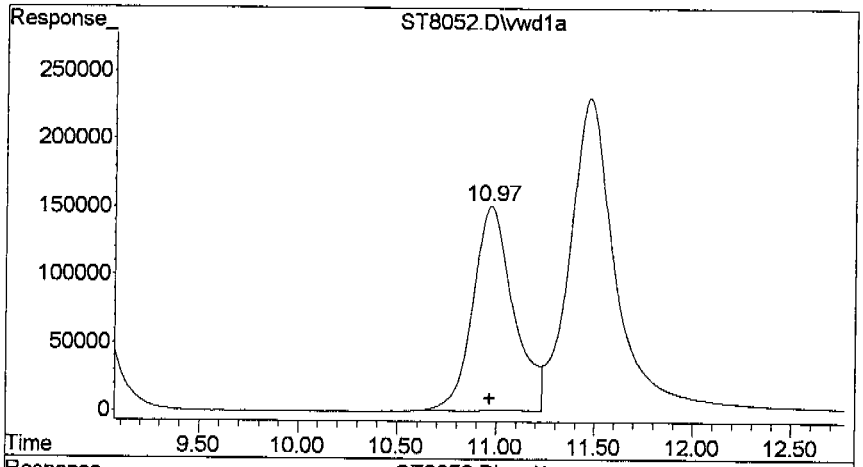
Signal #1 : D:\HPLC1\DATA\082004A\ST8052.D\fld1a.ch Vial: 4
Signal #2 : D:\HPLC1\DATA\082004A\ST8052.D\vwd1a.ch
Acq On : 20-Aug-2004, 21:02:19 Operator: caobinz
Sample : ic368-1,A 1 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:53 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:51:49 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

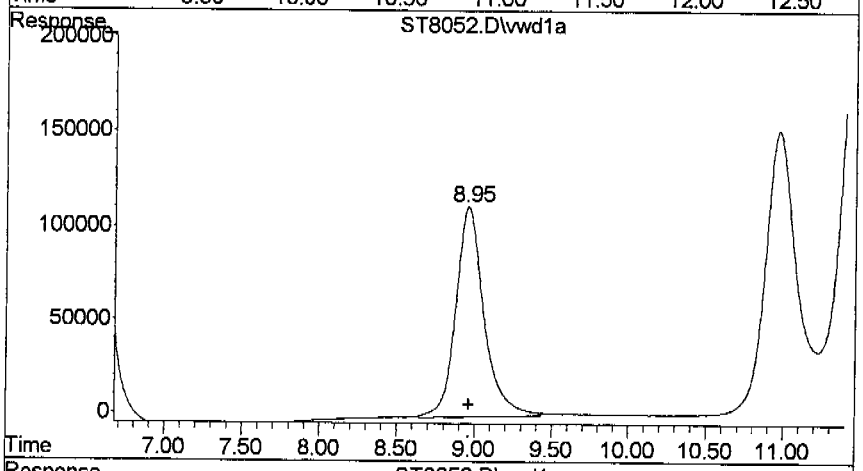






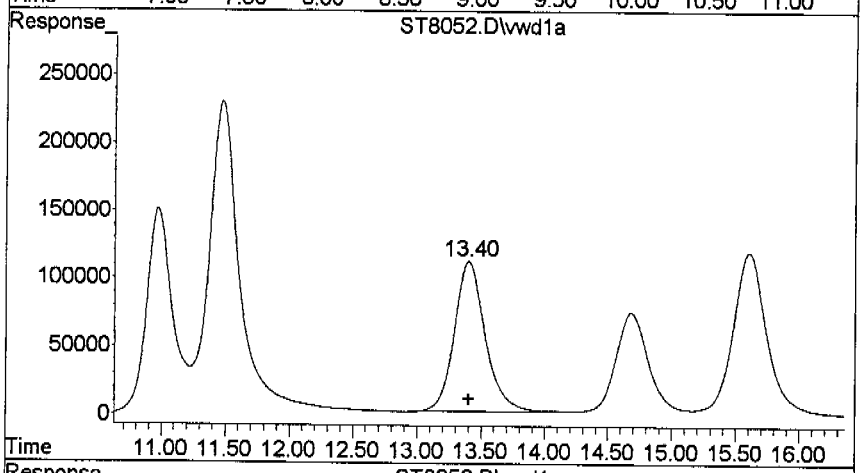
#2 1,2-Dinitrobenzene

R.T.: 10.968 min
Delta R.T.: 0.001 min
Response: 21465558
Conc: 0.42 ug/ml m



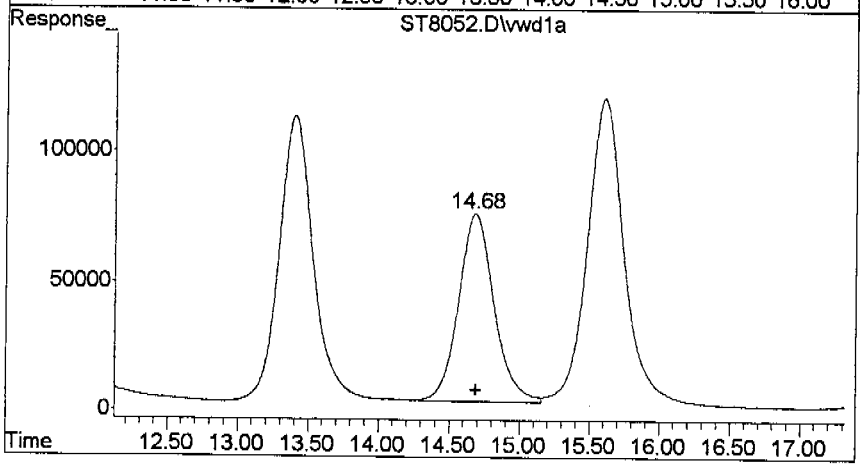
#4 RDX

R.T.: 8.951 min
Delta R.T.: -0.007 min
Response: 14267497
Conc: 0.39 ppb m



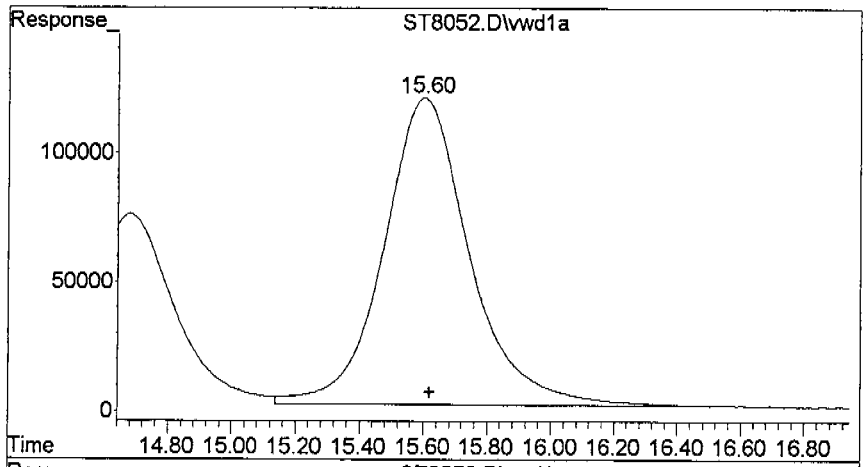
#6 1,3-Dinitrobenzene

R.T.: 13.399 min
Delta R.T.: -0.001 min
Response: 18447620
Conc: 0.39 ppb m



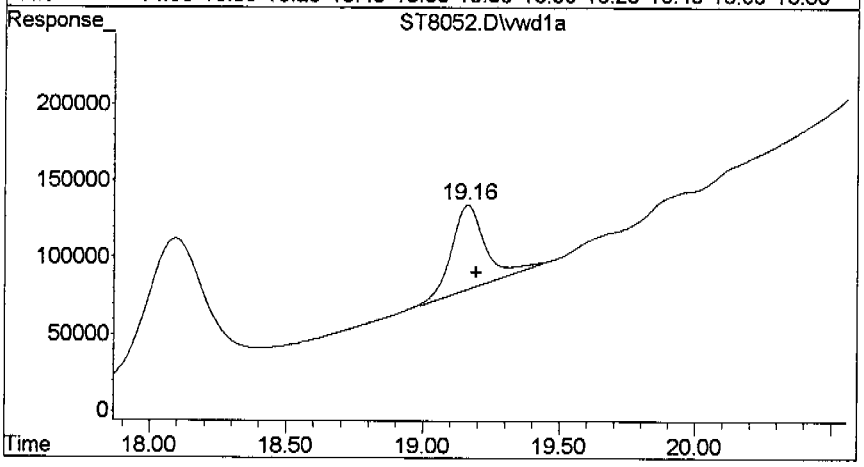
#7 Nitrobenzene

R.T.: 14.676 min
Delta R.T.: -0.010 min
Response: 12850558
Conc: 0.36 ppb m



#8 2,4,6-Trinitrotoluene

R.T.: 15.602 min
Delta R.T.: -0.016 min
Response: 22171464
Conc: 0.41 ppb m



#10 PETN

R.T.: 19.160 min
Delta R.T.: -0.034 min
Response: 4655171
Conc: 0.33 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8053.D\fld1a.ch Vial: 5
Signal #2 : D:\HPLC1\DATA\082004A\ST8053.D\vwd1a.ch
Acq On : 20-Aug-2004, 21:32:56 Operator: caobinz
Sample : ic368-0.25,A 0.25 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:56 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:55:23 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.92	6099617	0.291 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	5.82%#
Target Compounds			
3) HMX	6.54	4620414	0.068 ppb m
4) RDX	8.92	3456396	0.222 ppb m
5) 1,3,5-Trinitrobenzene	11.41	13245186	0.142 ppb m
6) 1,3-Dinitrobenzene	13.32	4284589	0.239 ppb m
7) Nitrobenzene	14.60	3003656	0.190 ppb m
8) 2,4,6-Trinitrotoluene	15.52	5204405	0.260 ppb m
9) 2,4-Dinitrotoluene	18.05	2520181	0.209 ppb m
10) PETN	19.13	1109952	0.160 ppb m

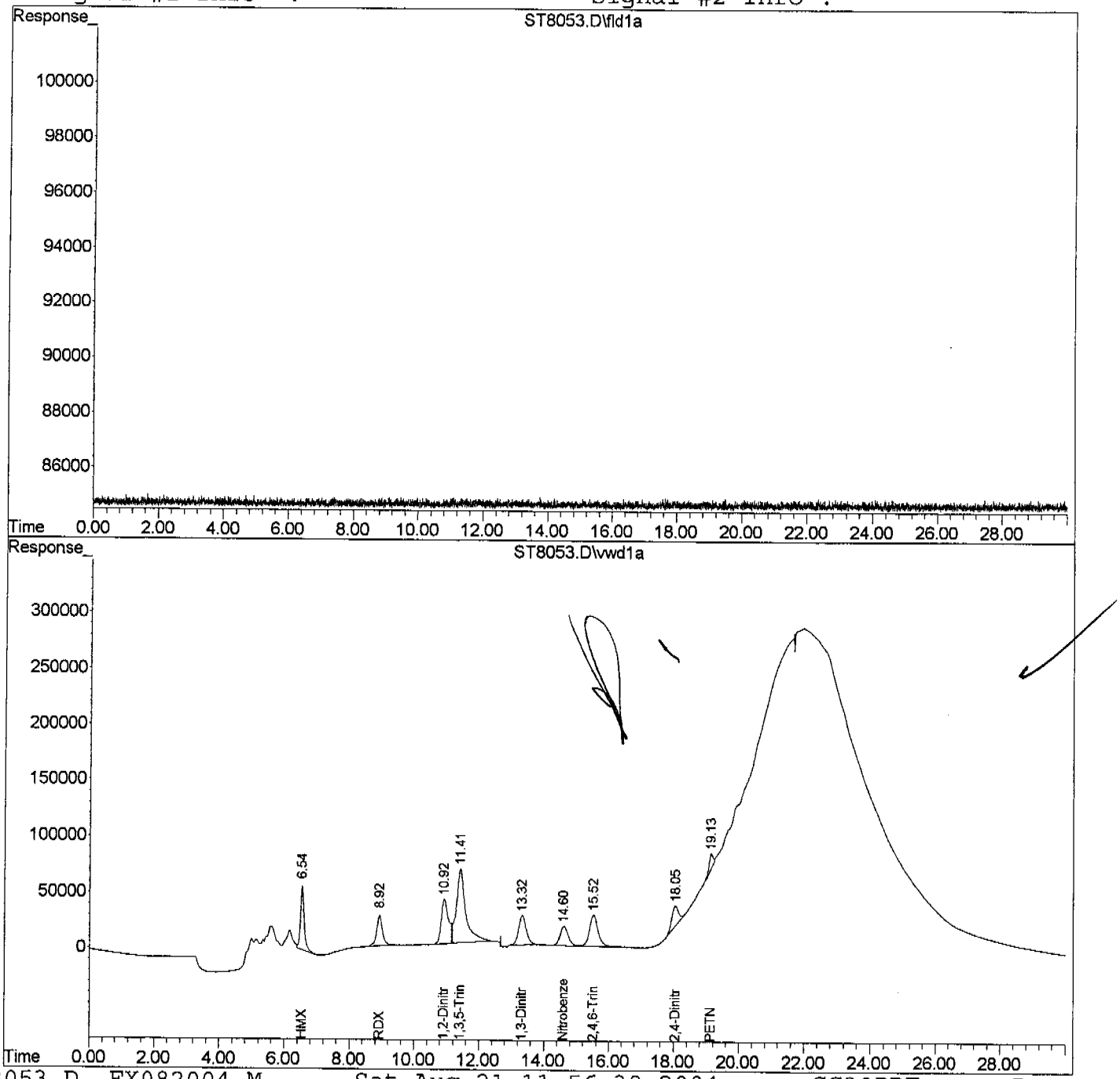
(f)=RT Delta > 1/2 Window (m)=manual int.

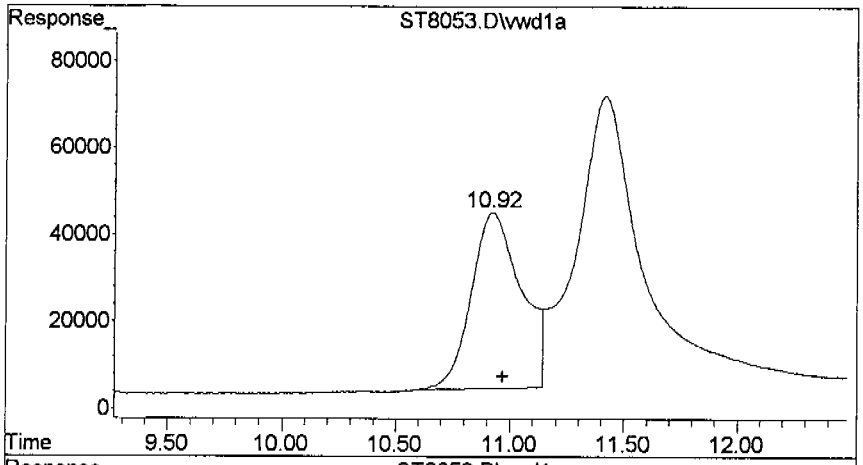
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8053.D\fld1a.ch Vial: 5
Signal #2 : D:\HPLC1\DATA\082004A\ST8053.D\vwd1a.ch
Acq On : 20-Aug-2004, 21:32:56 Operator: caobinz
Sample : ic368-0.25,A 0.25 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:56 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:55:23 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

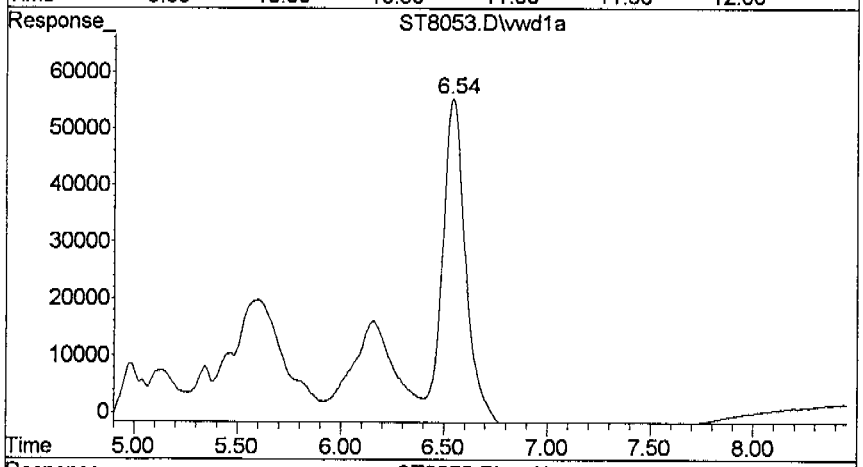
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





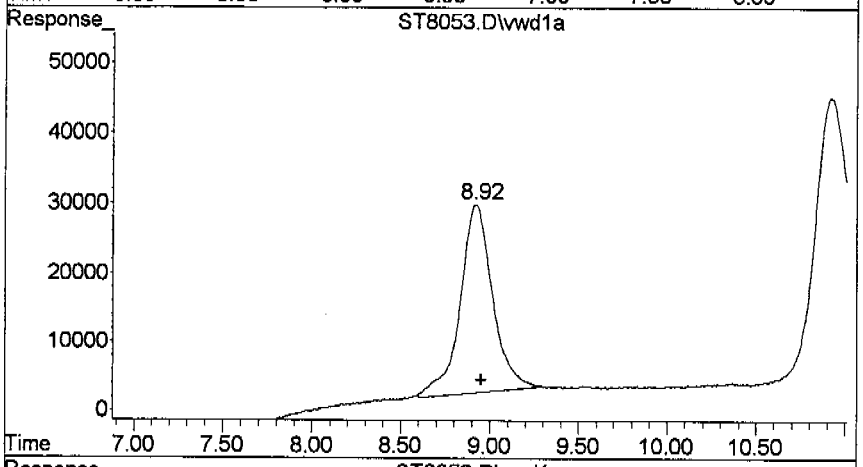
#2 1,2-Dinitrobenzene

R.T.: 10.917 min
Delta R.T.: -0.052 min
Response: 6099617
Conc: 0.29 ug/ml m



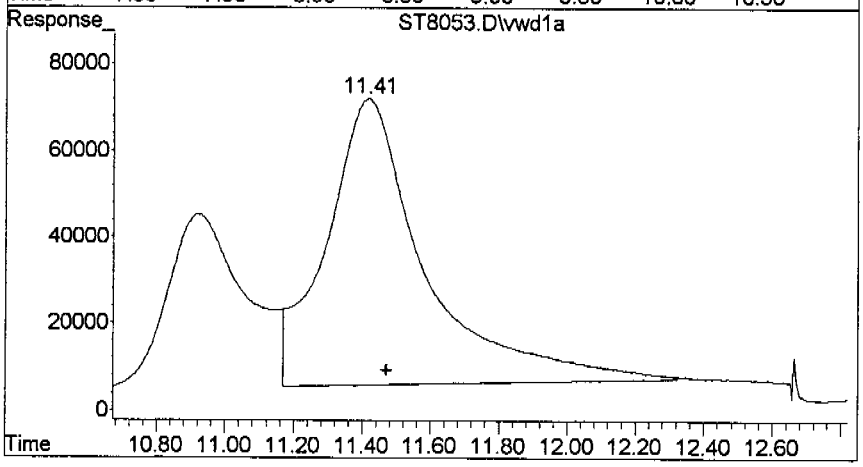
#3 HMX

R.T.: 6.541 min
Delta R.T.: -0.026 min
Response: 4620414
Conc: 0.07 ppb m



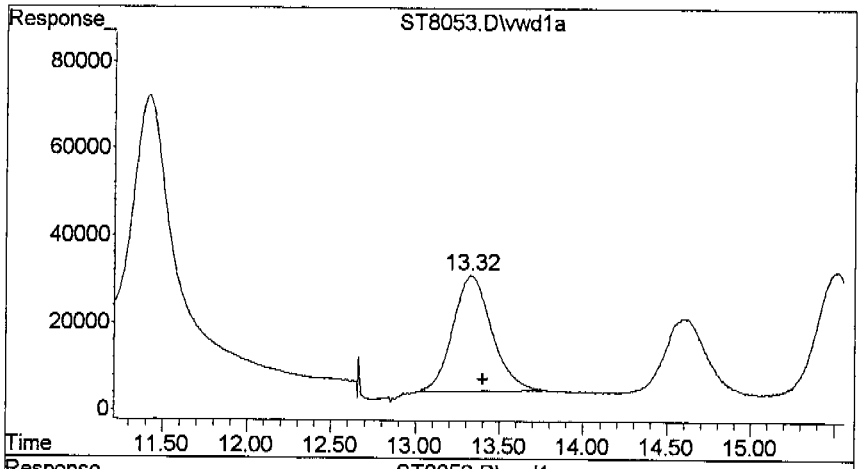
#4 RDX

R.T.: 8.923 min
Delta R.T.: -0.028 min
Response: 3456396
Conc: 0.22 ppb m



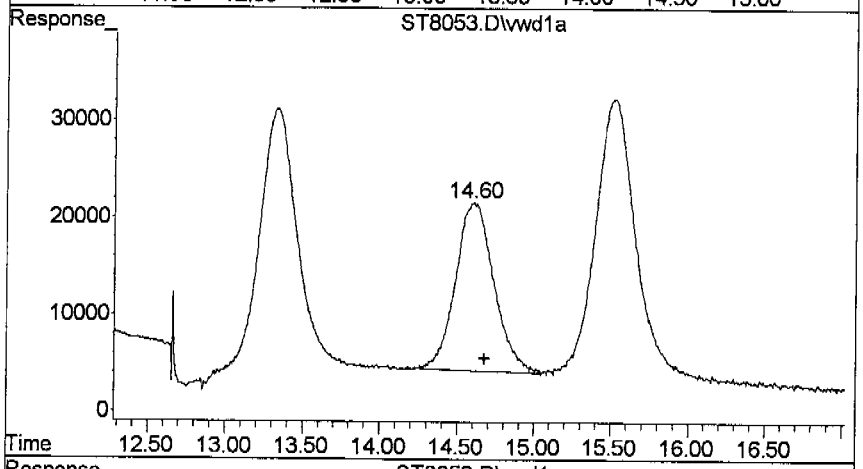
#5 1,3,5-Trinitrobenzene

R.T.: 11.413 min
Delta R.T.: -0.056 min
Response: 13245186
Conc: 0.14 ppb m



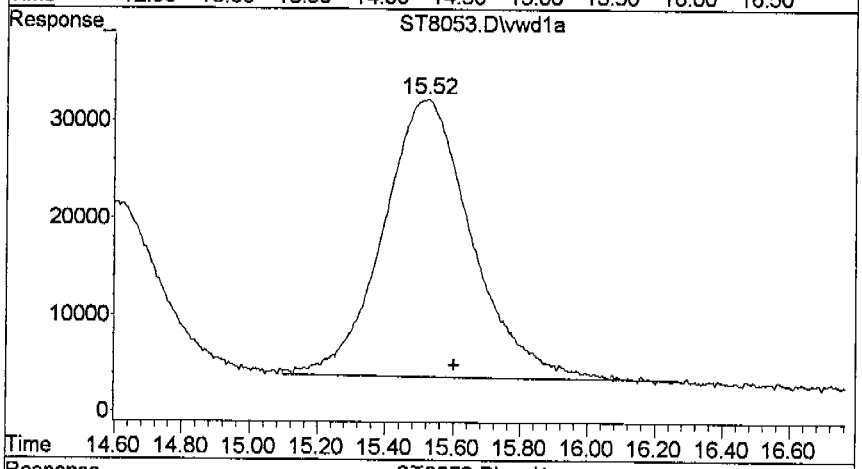
#6 1,3-Dinitrobenzene

R.T.: 13.323 min
Delta R.T.: -0.075 min
Response: 4284589
Conc: 0.24 ppb m



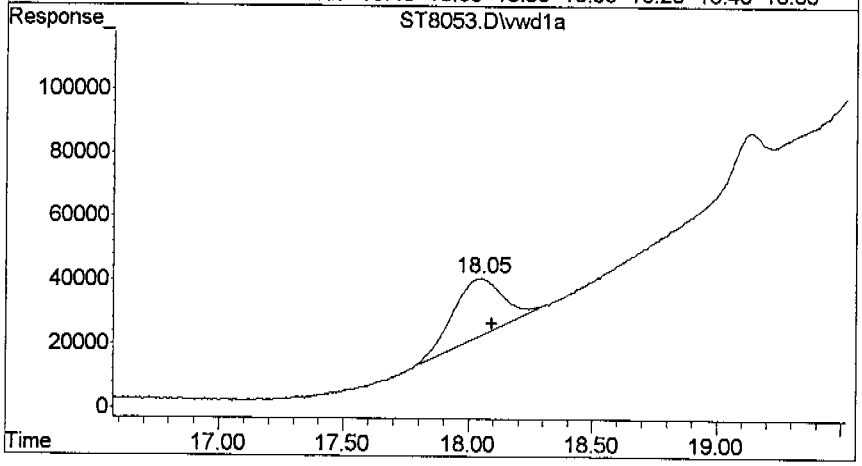
#7 Nitrobenzene

R.T.: 14.600 min
Delta R.T.: -0.076 min
Response: 3003656
Conc: 0.19 ppb m



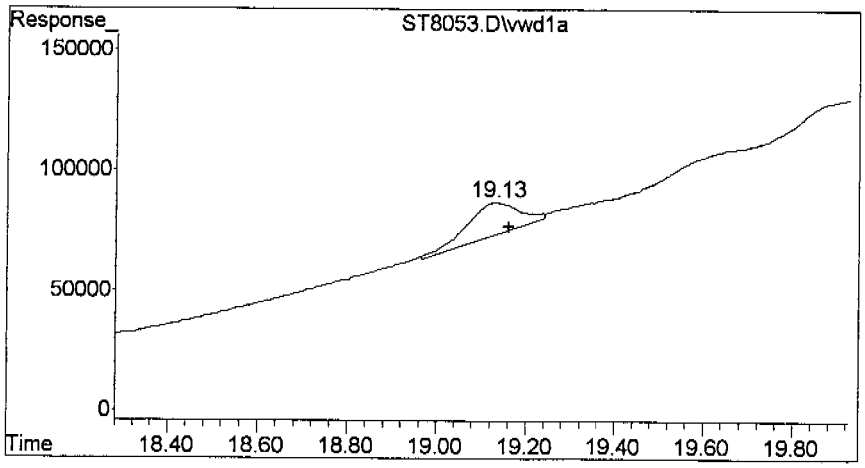
#8 2,4,6-Trinitrotoluene

R.T.: 15.520 min
Delta R.T.: -0.082 min
Response: 5204405
Conc: 0.26 ppb m



#9 2,4-Dinitrotoluene

R.T.: 18.050 min
Delta R.T.: -0.040 min
Response: 2520181
Conc: 0.21 ppb m



#10 PETN

R.T.: 19.133 min
Delta R.T.: -0.026 min
Response: 1109952
Conc: 0.16 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8054.D\fld1a.ch Vial: 6
Signal #2 : D:\HPLC1\DATA\082004A\ST8054.D\vwd1a.ch
Acq On : 20-Aug-2004, 22:03:38 Operator: caobinz
Sample : ic368-0.05,A 0.05 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:57 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:56:31 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.76	1074627	0.050 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	1.00%#
Target Compounds			
3) HMX	6.50	1010024	0.017 ppb m
4) RDX	8.81	897831	0.060 ppb m
5) 1,3,5-Trinitrobenzene	11.25	4781549	0.055 ppb m
6) 1,3-Dinitrobenzene	13.12	901717	0.050 ppb m
7) Nitrobenzene	14.34	662258	0.046 ppb m
8) 2,4,6-Trinitrotoluene	15.18	1076585	0.051 ppb m
9) 2,4-Dinitrotoluene	17.86	345394	0.029 ppb m
10) PETN	18.97	264017	0.044 ppb m

08/22/04

8/22/04

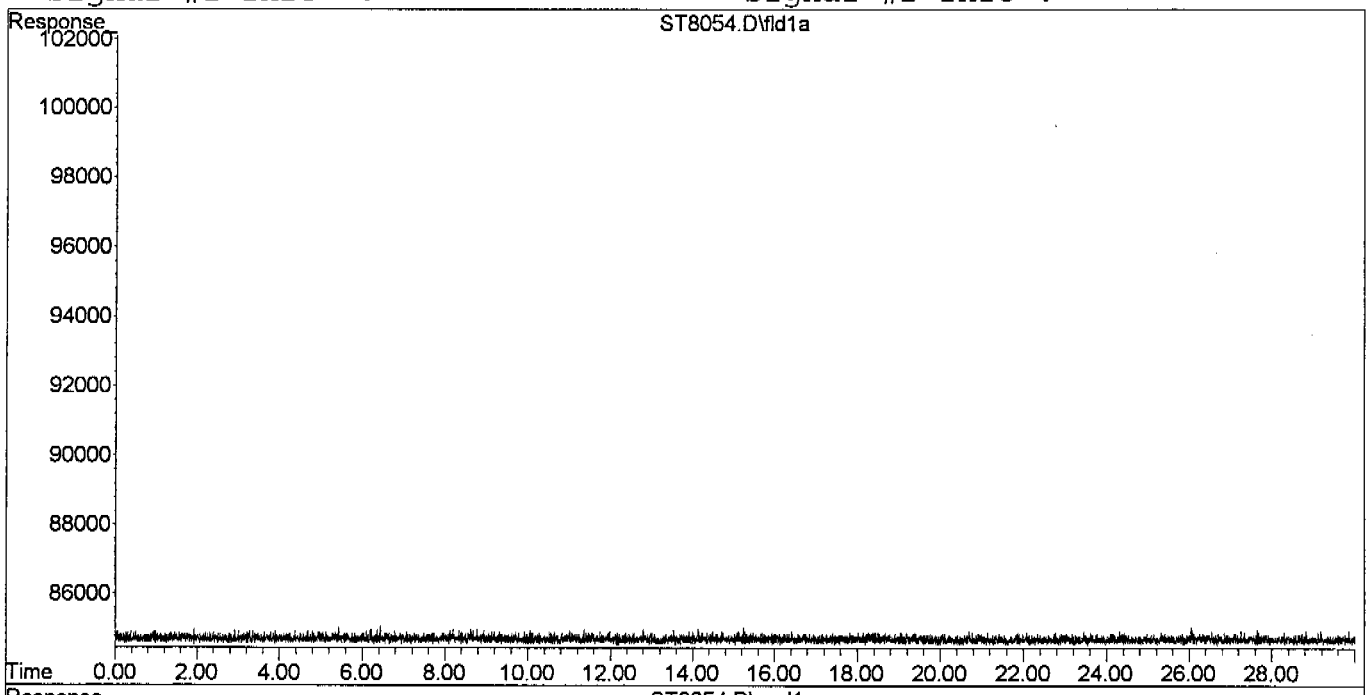
(f)=RT Delta > 1/2 Window (m)=manual int.

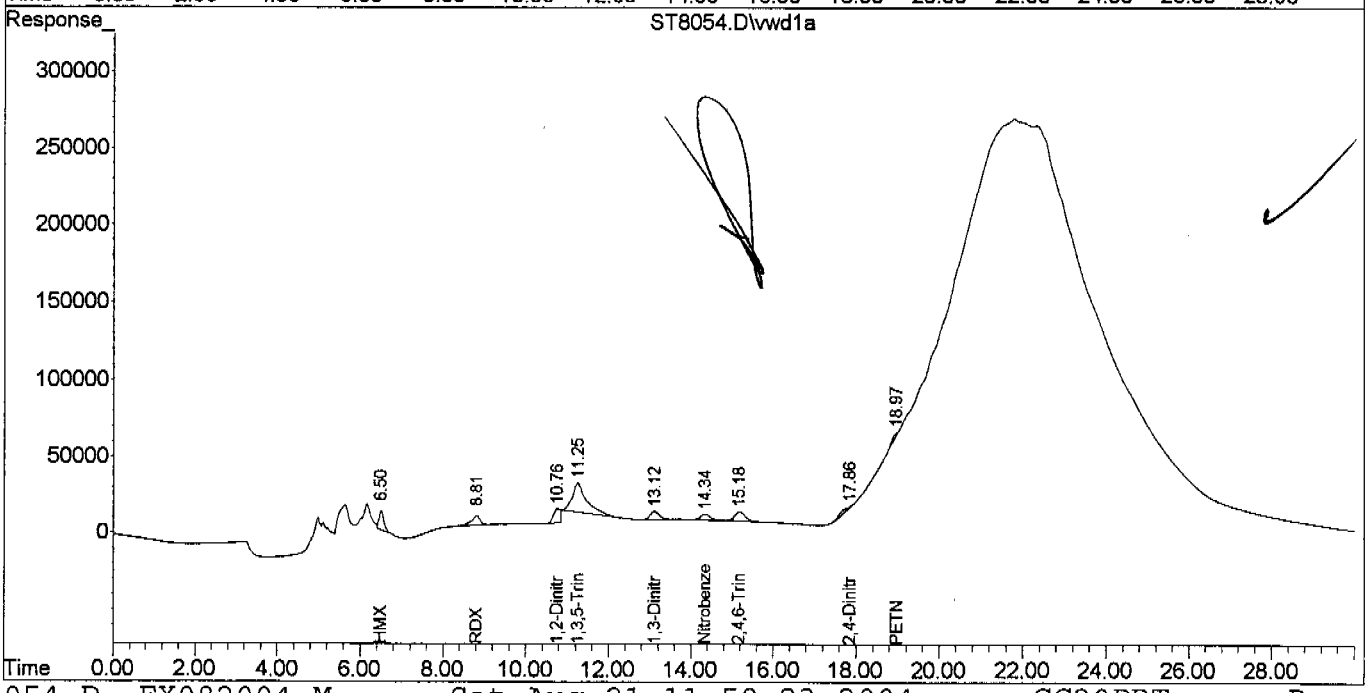
Quantitation Report (QT Reviewed)

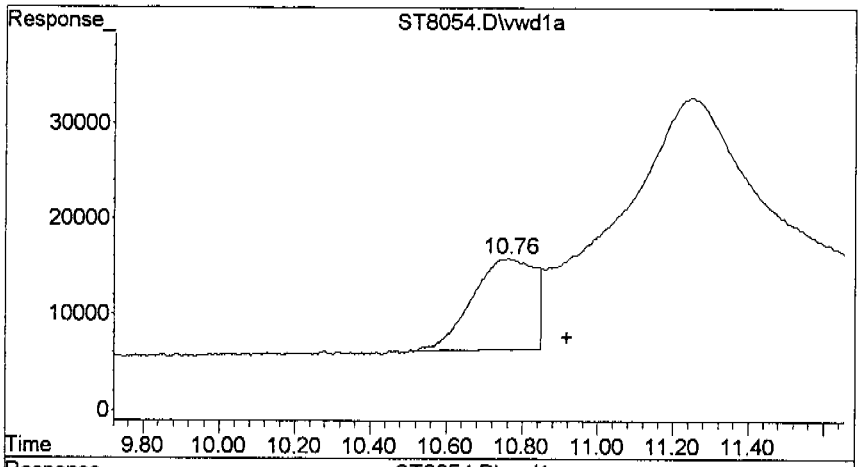
Signal #1 : D:\HPLC1\DATA\082004A\ST8054.D\fld1a.ch Vial: 6
Signal #2 : D:\HPLC1\DATA\082004A\ST8054.D\vwd1a.ch
Acq On : 20-Aug-2004, 22:03:38 Operator: caobinz
Sample : ic368-0.05,A 0.05 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 11:57 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 11:56:31 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

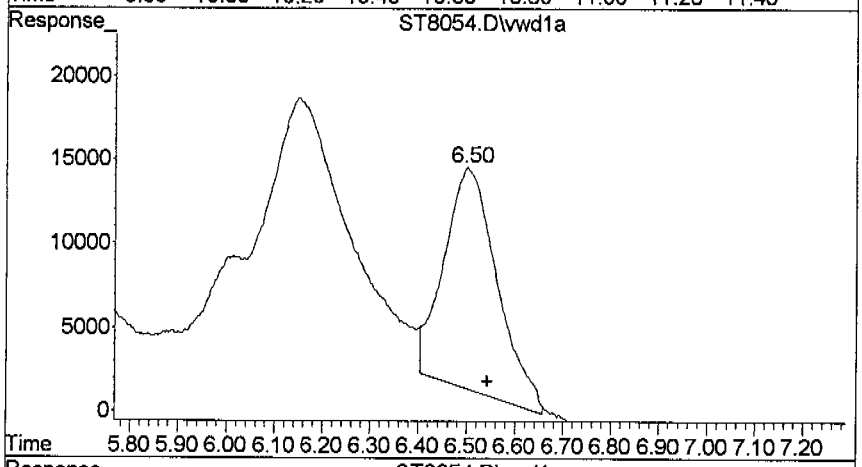






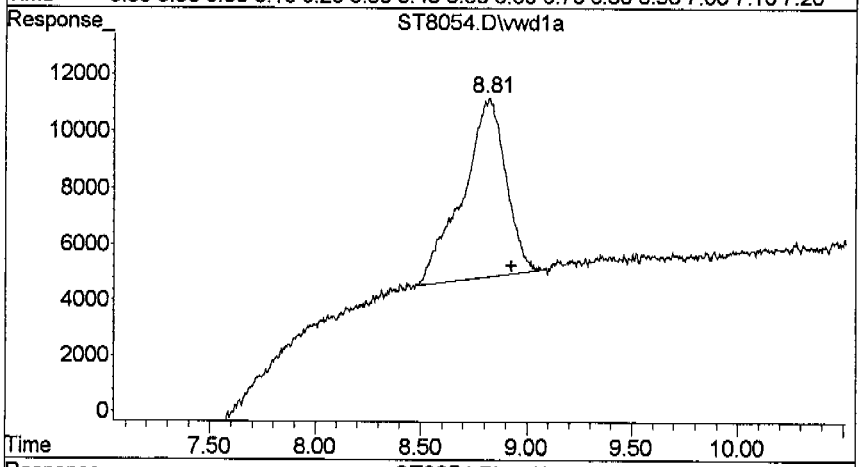
#2 1,2-Dinitrobenzene

R.T.: 10.763 min
Delta R.T.: -0.154 min
Response: 1074627
Conc: 0.05 ug/ml m



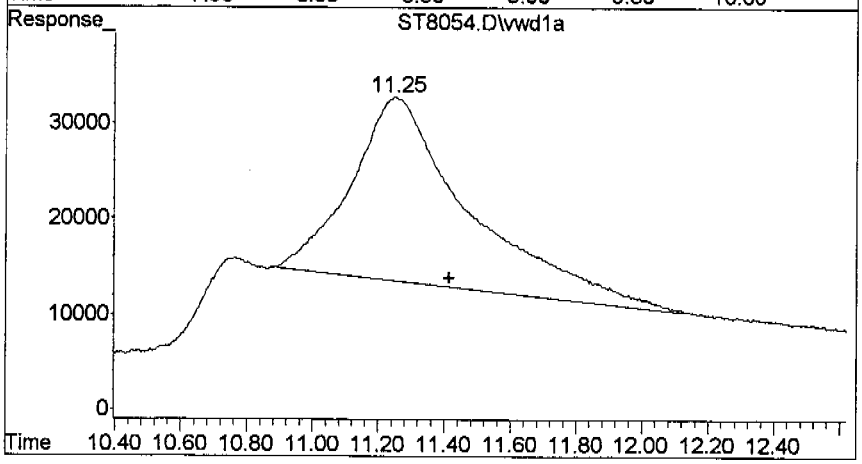
#3 HMX

R.T.: 6.499 min
Delta R.T.: -0.042 min
Response: 1010024
Conc: 0.02 ppb m



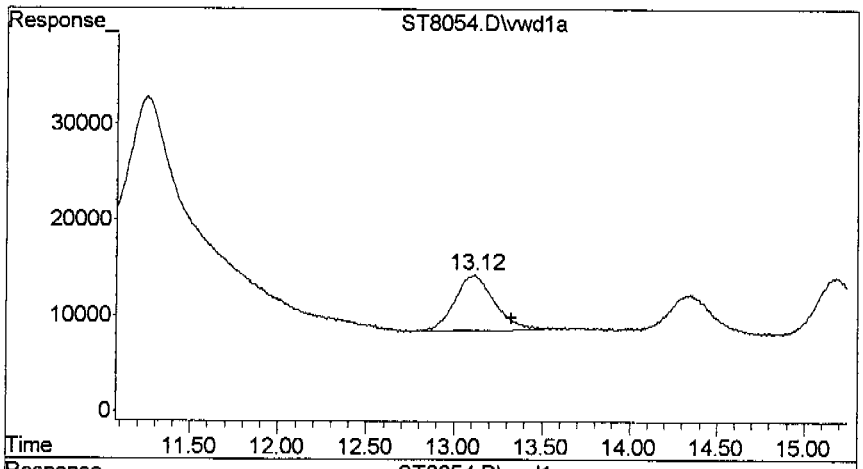
#4 RDX

R.T.: 8.813 min
Delta R.T.: -0.110 min
Response: 897831
Conc: 0.06 ppb m



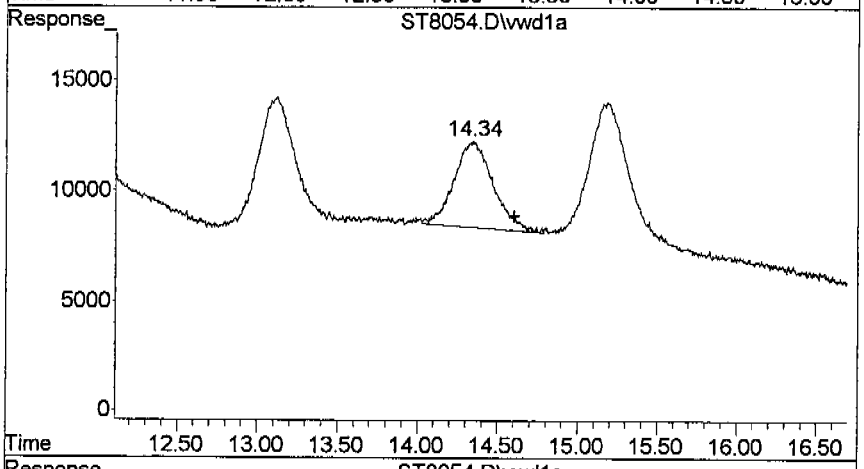
#5 1,3,5-Trinitrobenzene

R.T.: 11.251 min
Delta R.T.: -0.162 min
Response: 4781549
Conc: 0.05 ppb m



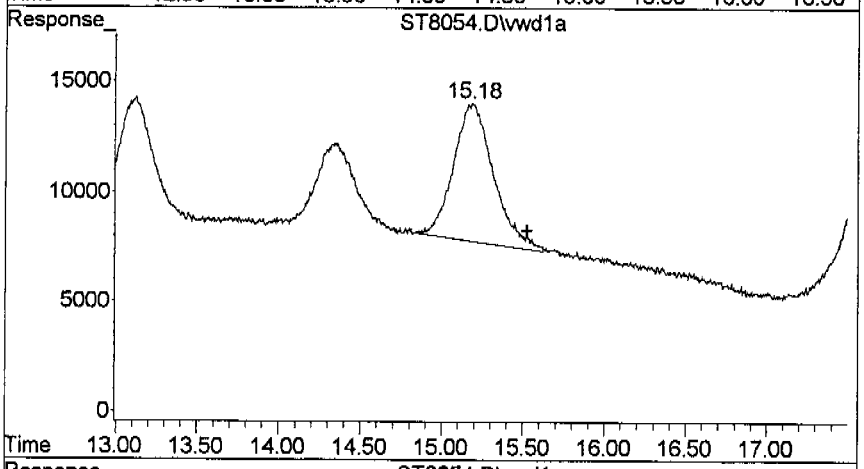
#6 1,3-Dinitrobenzene

R.T.: 13.119 min
Delta R.T.: -0.205 min
Response: 901717
Conc: 0.05 ppb m



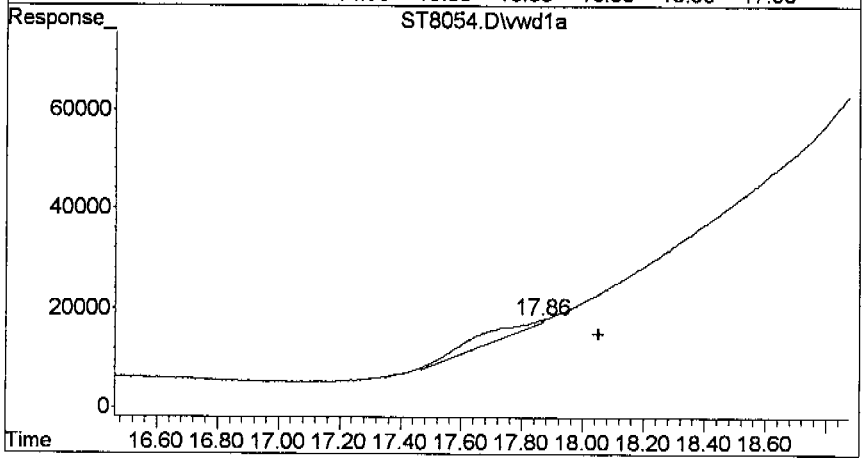
#7 Nitrobenzene

R.T.: 14.340 min
Delta R.T.: -0.260 min
Response: 662258
Conc: 0.05 ppb m



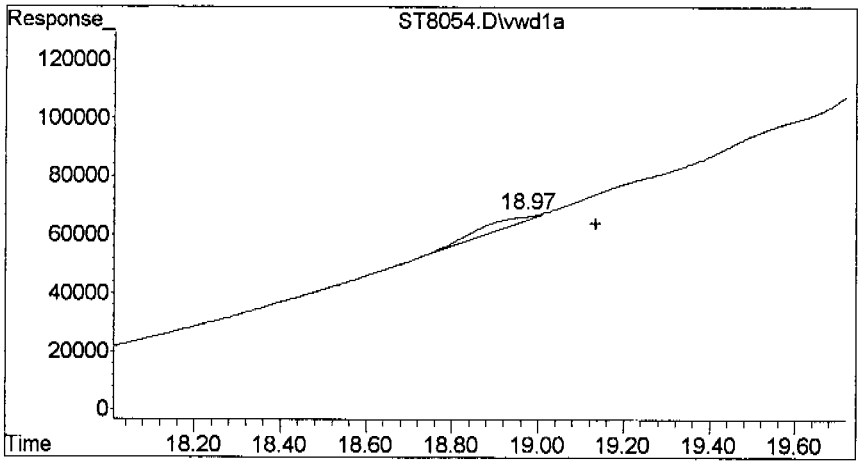
#8 2,4,6-Trinitrotoluene

R.T.: 15.180 min
Delta R.T.: -0.340 min
Response: 1076585
Conc: 0.05 ppb m



#9 2,4-Dinitrotoluene

R.T.: 17.859 min
Delta R.T.: -0.191 min
Response: 345394
Conc: 0.03 ppb m



#10 PETN

R.T.: 18.970 min
Delta R.T.: -0.163 min
Response: 264017
Conc: 0.04 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8055.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8055.D\vwd1a.ch
Acq On : 20-Aug-2004, 22:34:17 Operator: caobinz
Sample : ic368-10,B 10 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:17 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:12:56 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.71	200718531	9.409 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	188.18%#
Target Compounds			
11) Tetryl	12.34	222037512	10.177 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.03	227470686	10.090 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.04	239930752	11.848 ppb m
14) 2,6-Dinitrotoluene	16.82	158648596	6.827 ppb m
15) o-Nitrotoluene	18.95	113238043	3.892 ppb m
16) p-Nitrotoluene	19.39	147415387	7.976 ppb m
17) m-Nitrotoluene	19.79	162067557	5.901 ppb m

08/22/04

8/22/04

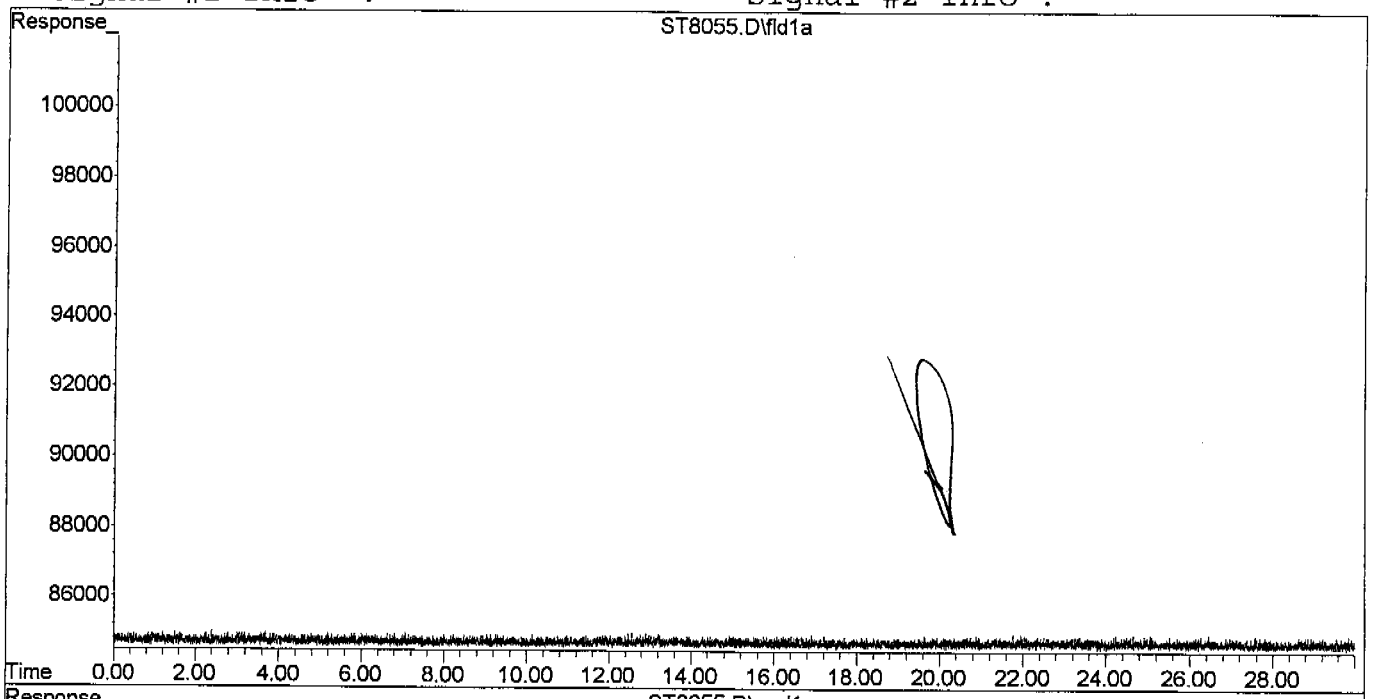
(f)=RT Delta > 1/2 Window (m)=manual int.

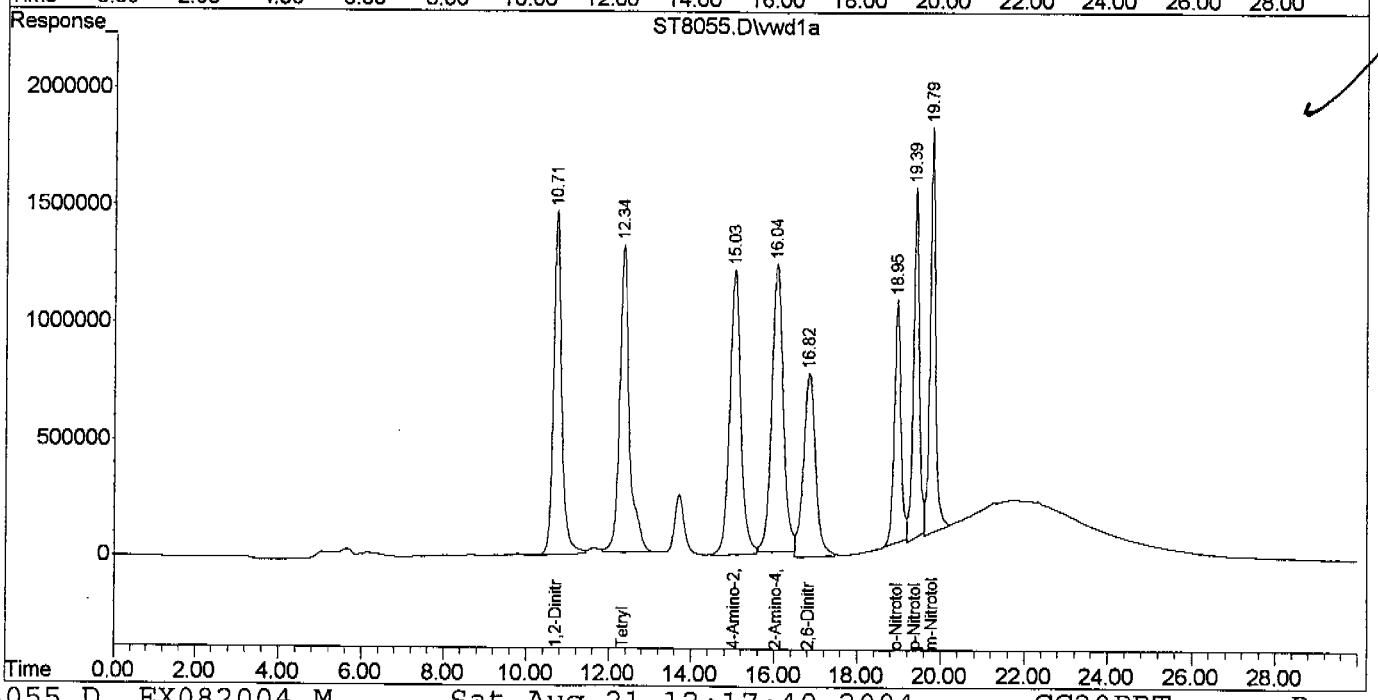
Quantitation Report (QT Reviewed)

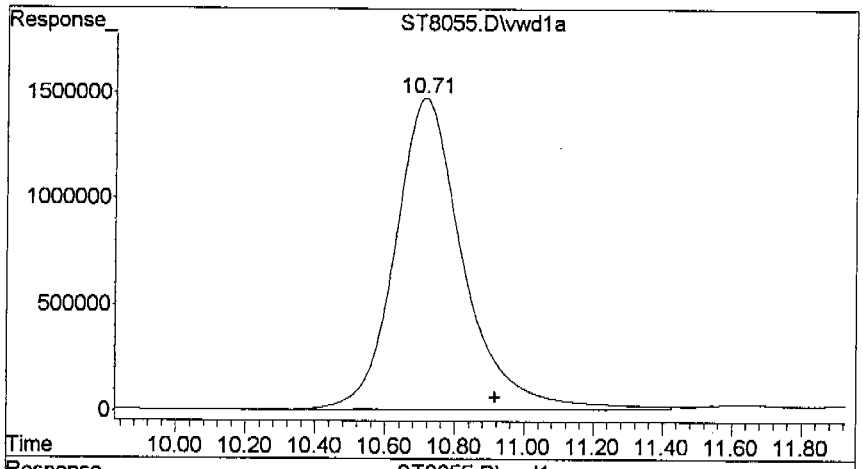
Signal #1 : D:\HPLC1\DATA\082004A\ST8055.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8055.D\vwd1a.ch
Acq On : 20-Aug-2004, 22:34:17 Operator: caobinz
Sample : ic368-10,B 10 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:17 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:12:56 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

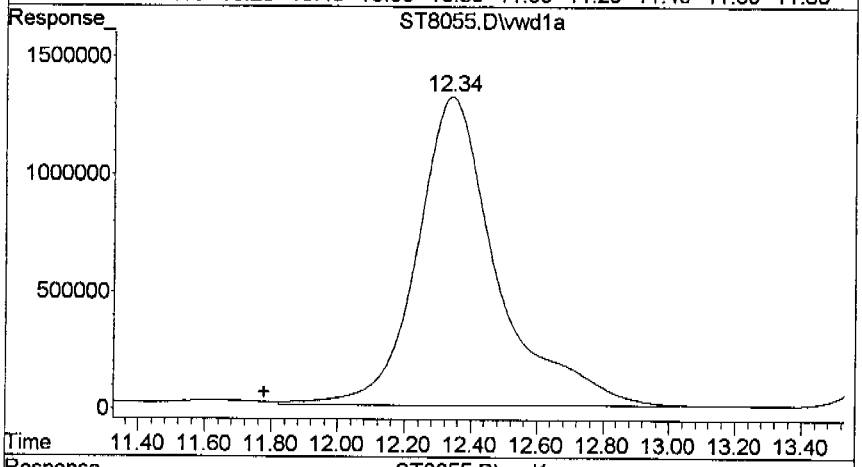






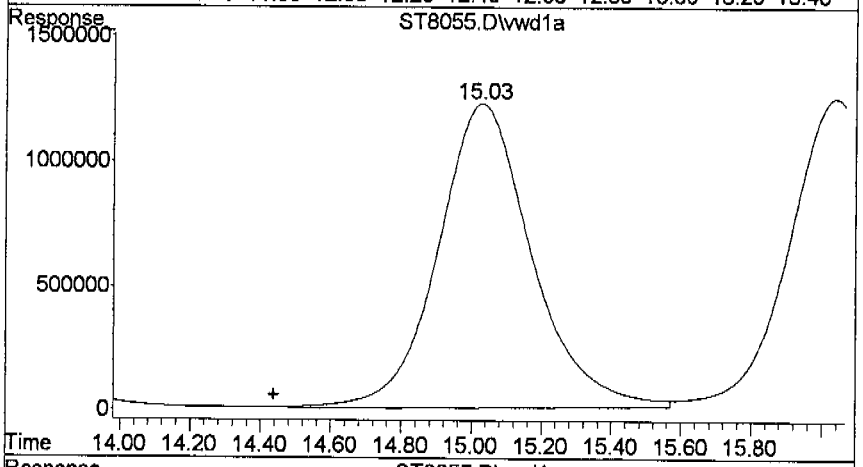
#2 1,2-Dinitrobenzene

R.T.: 10.711 min
Delta R.T.: -0.206 min
Response: 200718531
Conc: 9.41 ug/ml m



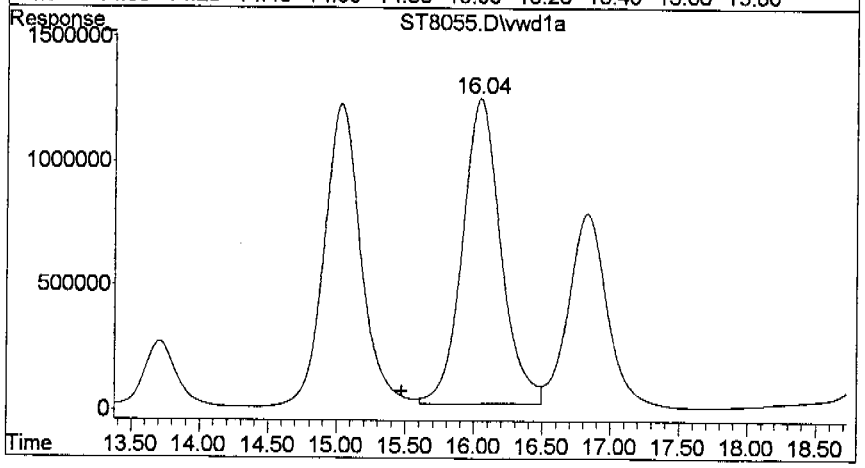
#11 Tetryl

R.T.: 12.339 min
Delta R.T.: 0.563 min
Response: 222037512
Conc: 10.18 ppb m



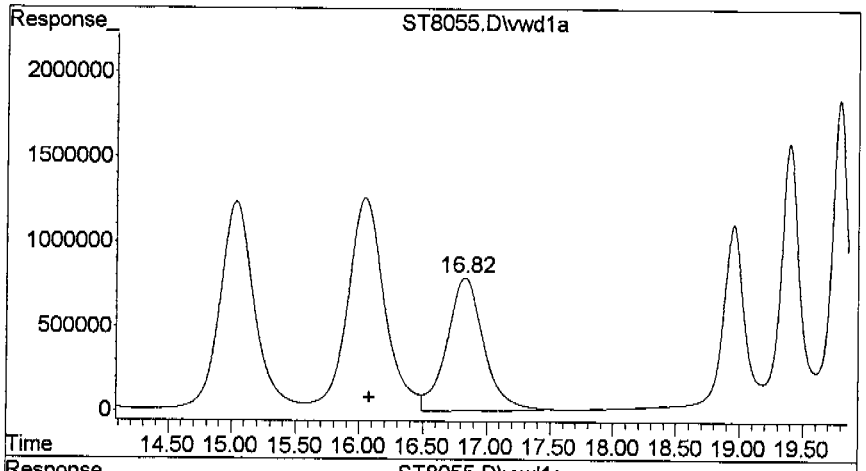
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.028 min
Delta R.T.: 0.592 min
Response: 227470686
Conc: 10.09 ppb m



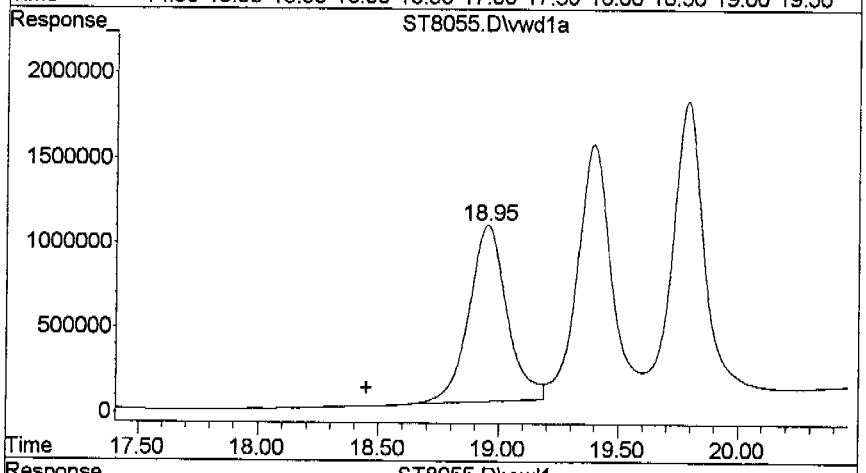
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.039 min
Delta R.T.: 0.564 min
Response: 239930752
Conc: 11.85 ppb m



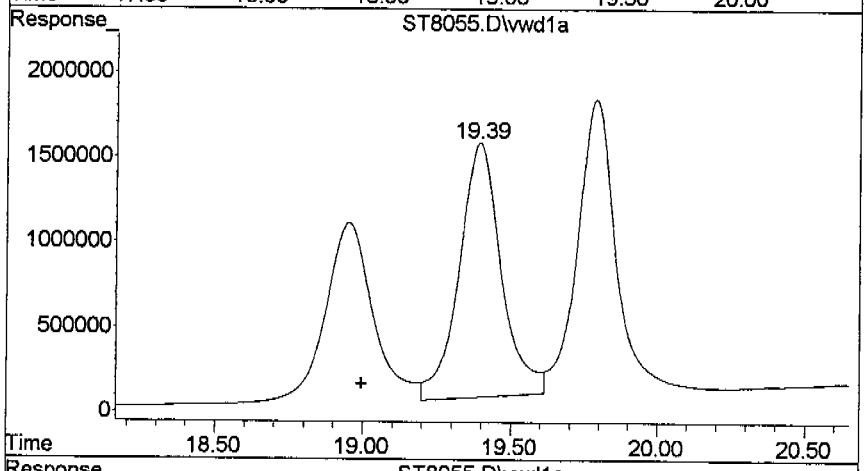
#14 2,6-Dinitrotoluene

R.T.: 16.824 min
Delta R.T.: 0.744 min
Response: 158648596
Conc: 6.83 ppb m



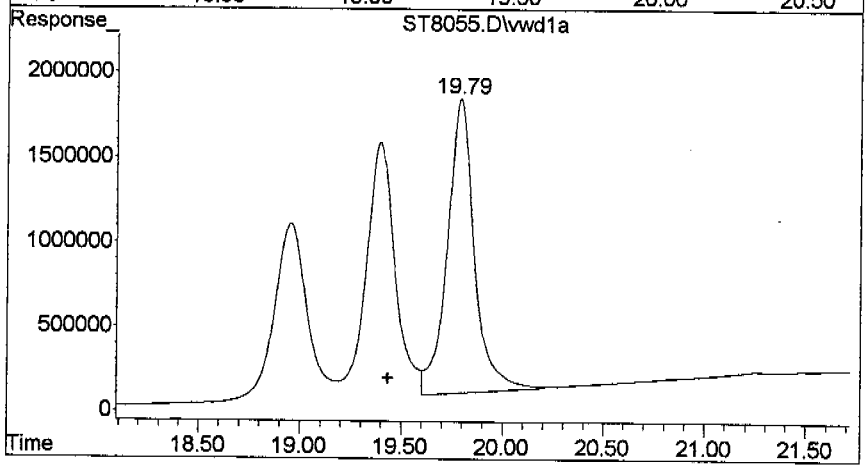
#15 o-Nitrotoluene

R.T.: 18.950 min
Delta R.T.: 0.500 min
Response: 113238043
Conc: 3.89 ppb m



#16 p-Nitrotoluene

R.T.: 19.392 min
Delta R.T.: 0.397 min
Response: 147415387
Conc: 7.98 ppb m



#17 m-Nitrotoluene

R.T.: 19.787 min
Delta R.T.: 0.353 min
Response: 162067557
Conc: 5.90 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8056.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8056.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:04:55 Operator: caobinz
Sample : icc368-5,B 5 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:19 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:17:29 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.74	102479069	4.807 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	96.14%
Target Compounds			
11) Tetryl	12.38	108932876	4.855 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.07	111747181	4.920 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.07	117175110	5.552 ppb m
14) 2,6-Dinitrotoluene	16.87	75262118	3.404 ppb m
15) o-Nitrotoluene	18.97	54583561	2.018 ppb m
16) p-Nitrotoluene	19.41	70531516	3.953 ppb m
17) m-Nitrotoluene	19.80	80141649	3.114 ppb m

8/22/04

8/22/04

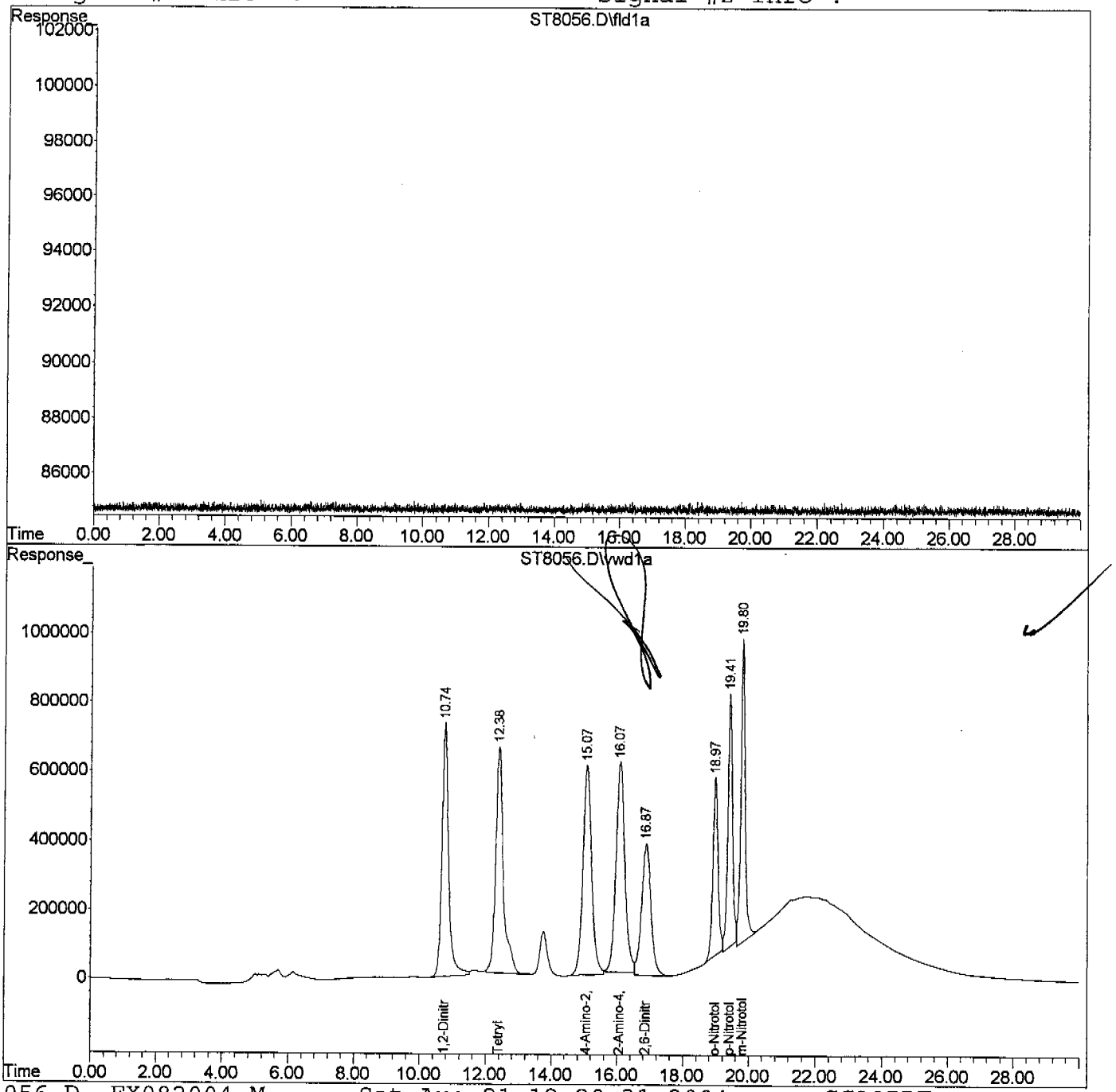
(f)=RT Delta > 1/2 Window (m)=manual int.

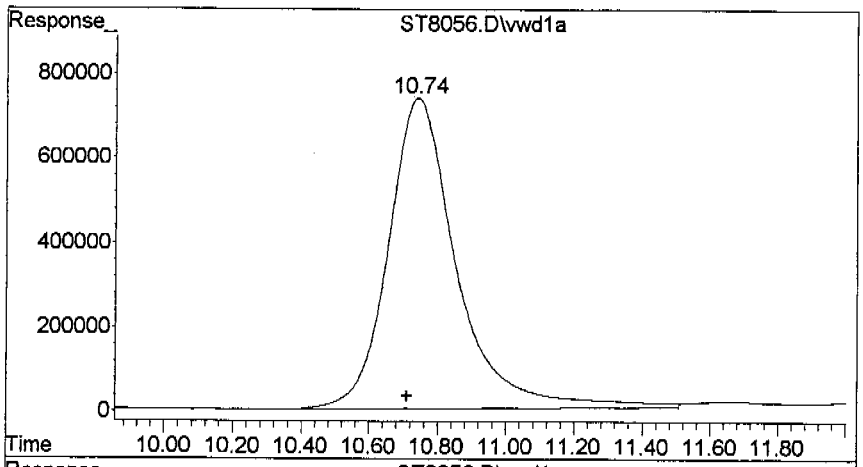
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8056.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8056.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:04:55 Operator: caobinz
Sample : icc368-5,B 5 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:19 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:17:29 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

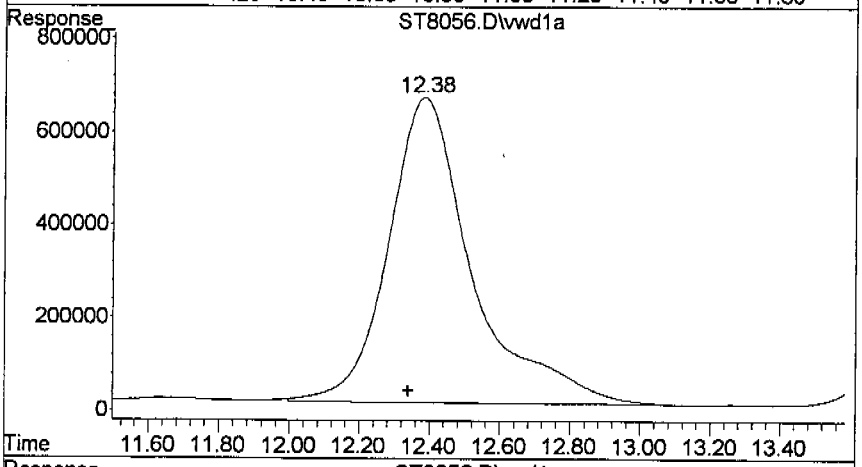
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





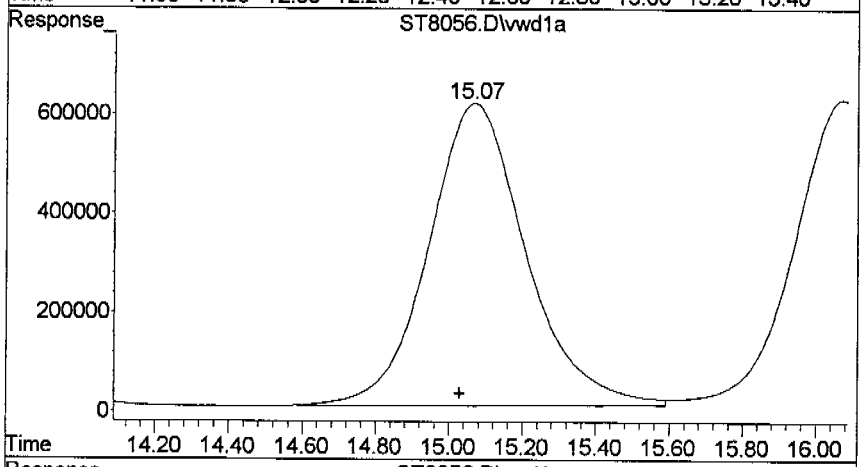
#2 1,2-Dinitrobenzene

R.T.: 10.741 min
Delta R.T.: 0.030 min
Response: 102479069
Conc: 4.81 ug/ml m



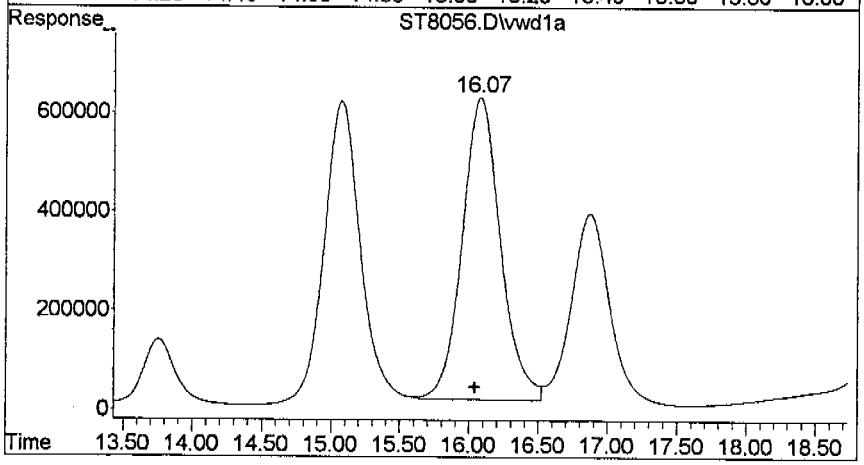
#11 Tetryl

R.T.: 12.383 min
Delta R.T.: 0.044 min
Response: 108932876
Conc: 4.86 ppb m



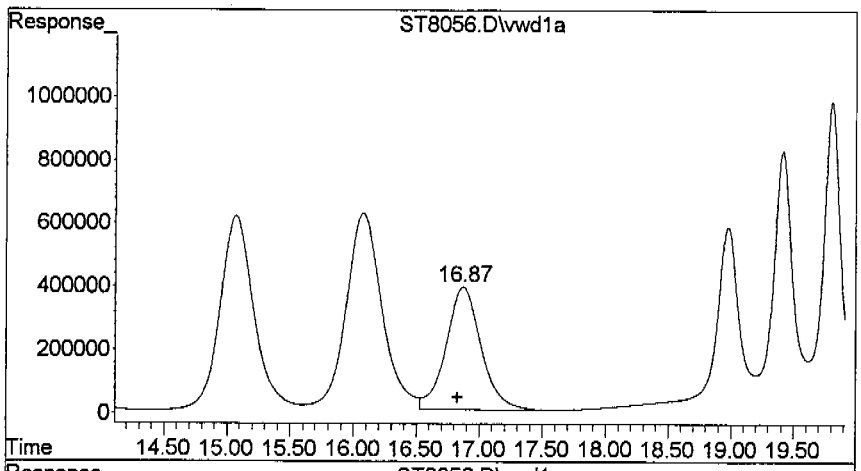
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.066 min
Delta R.T.: 0.038 min
Response: 111747181
Conc: 4.92 ppb m



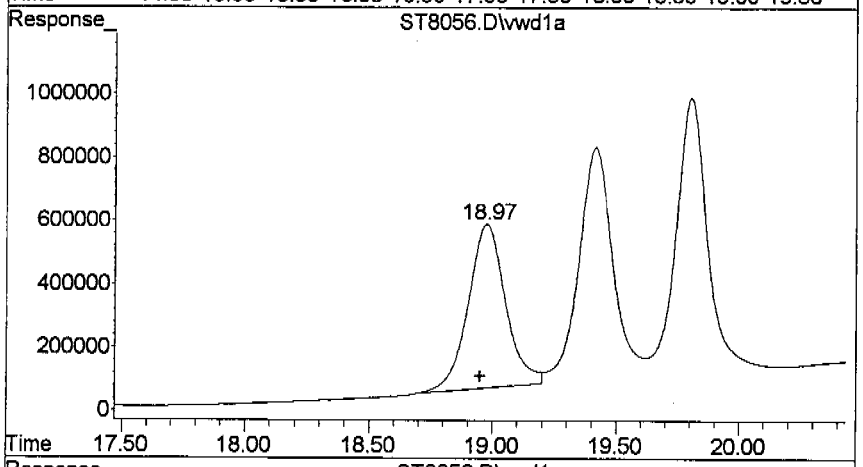
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.073 min
Delta R.T.: 0.034 min
Response: 117175110
Conc: 5.55 ppb m



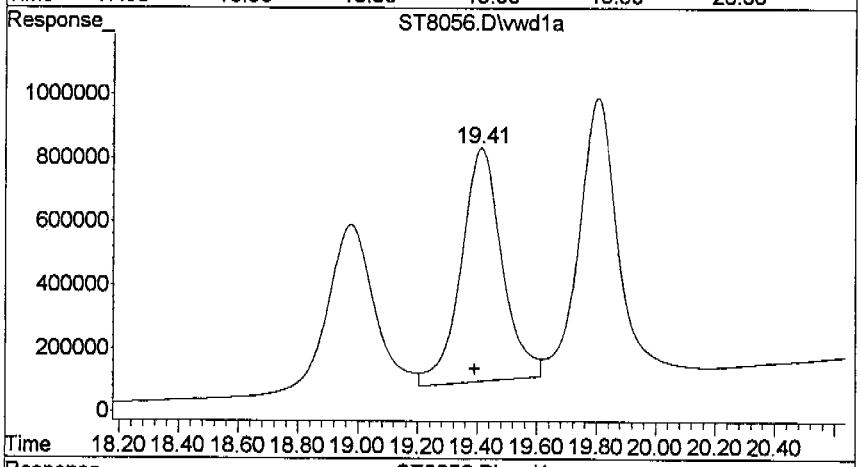
#14 2,6-Dinitrotoluene

R.T.: 16.868 min
Delta R.T.: 0.044 min
Response: 75262118
Conc: 3.40 ppb m



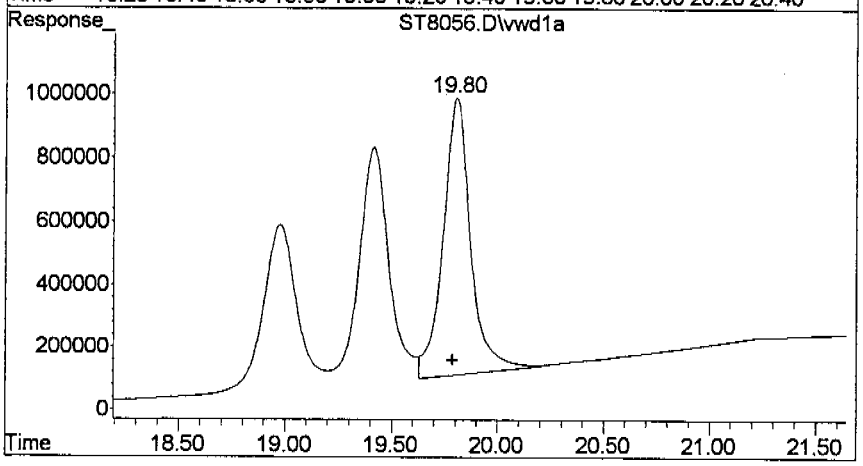
#15 o-Nitrotoluene

R.T.: 18.975 min
Delta R.T.: 0.025 min
Response: 54583561
Conc: 2.02 ppb m



#16 p-Nitrotoluene

R.T.: 19.413 min
Delta R.T.: 0.021 min
Response: 70531516
Conc: 3.95 ppb m



#17 m-Nitrotoluene

R.T.: 19.803 min
Delta R.T.: 0.017 min
Response: 80141649
Conc: 3.11 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8057.D\fld1a.ch Vial: 9
Signal #2 : D:\HPLC1\DATA\082004A\ST8057.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:35:35 Operator: caobinz
Sample : ic368-2,B 2 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:21 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:19:40 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.70	42062664	1.962 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	39.24%
Target Compounds			
11) Tetryl	12.33	42898048	1.878 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.02	43086828	1.884 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.03	46534400	2.134 ppb m
14) 2,6-Dinitrotoluene	16.81	29619413	1.413 ppb m
15) o-Nitrotoluene	18.94	21171995	0.858 ppb m
16) p-Nitrotoluene	19.38	27174172	1.596 ppb m
17) m-Nitrotoluene	19.78	30103006	1.270 ppb m

8/22/04

8/22/04

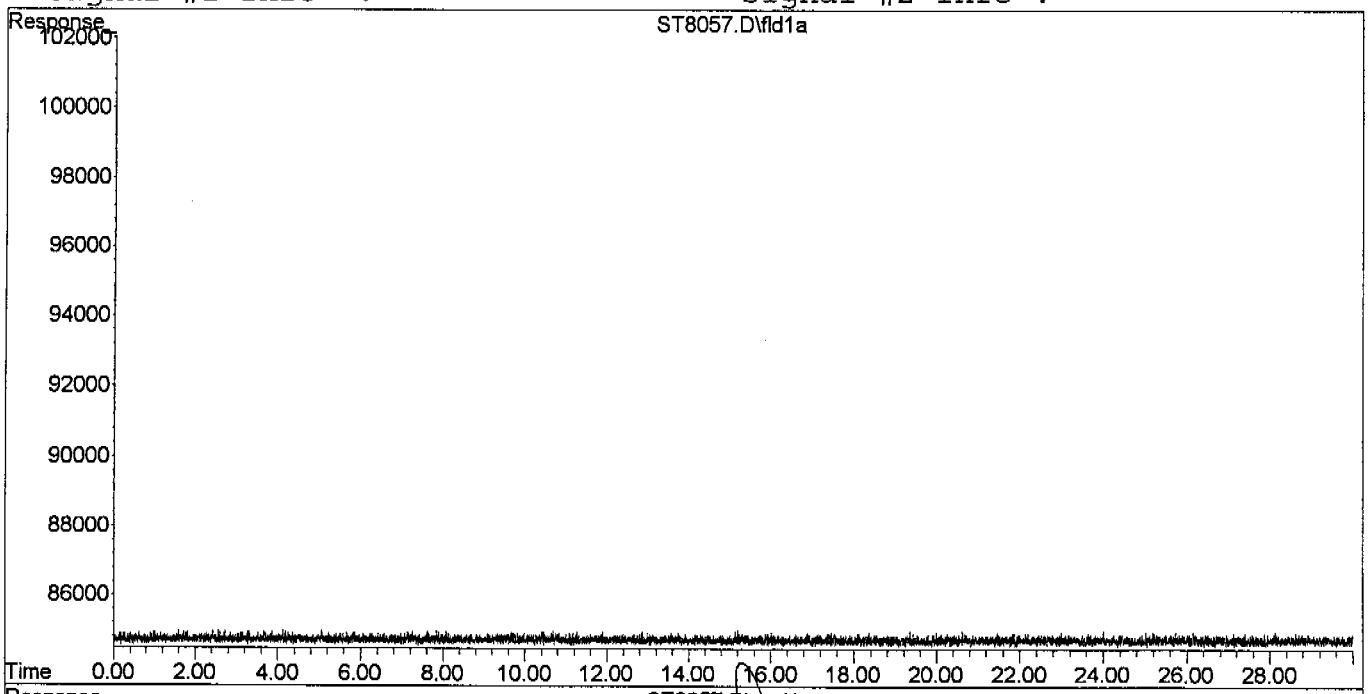
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8057.D EX082004.M Sat Aug 21 12:22:01 2004 GC20PRT Page 1

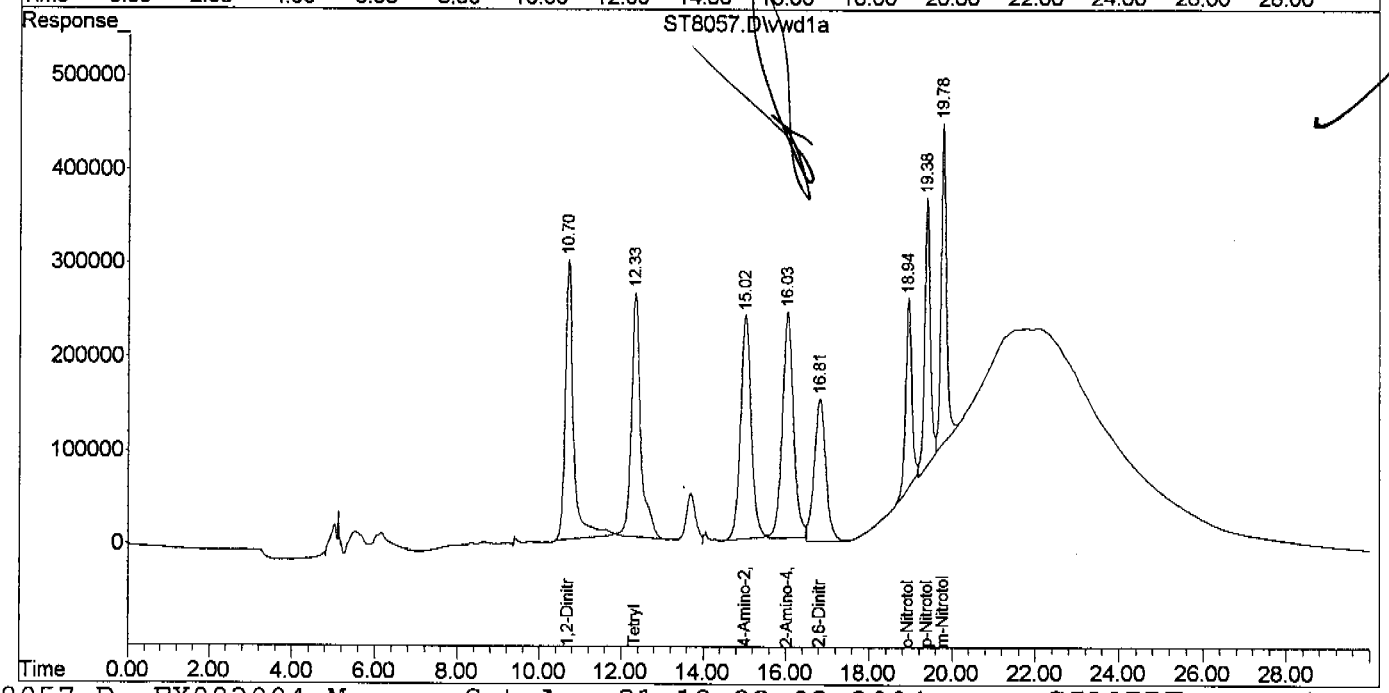
Quantitation Report (QT Reviewed)

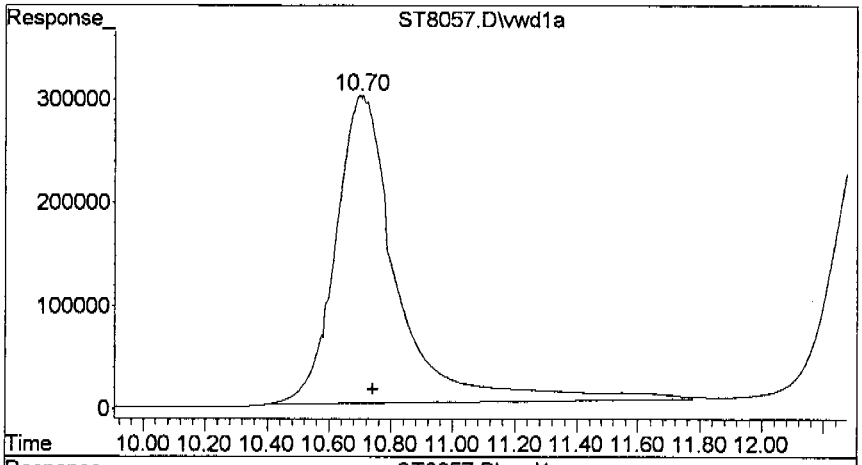
Signal #1 : D:\HPLC1\DATA\082004A\ST8057.D\fld1a.ch Vial: 9
Signal #2 : D:\HPLC1\DATA\082004A\ST8057.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:35:35 Operator: caobinz
Sample : ic368-2,B 2 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:21 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:19:40 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

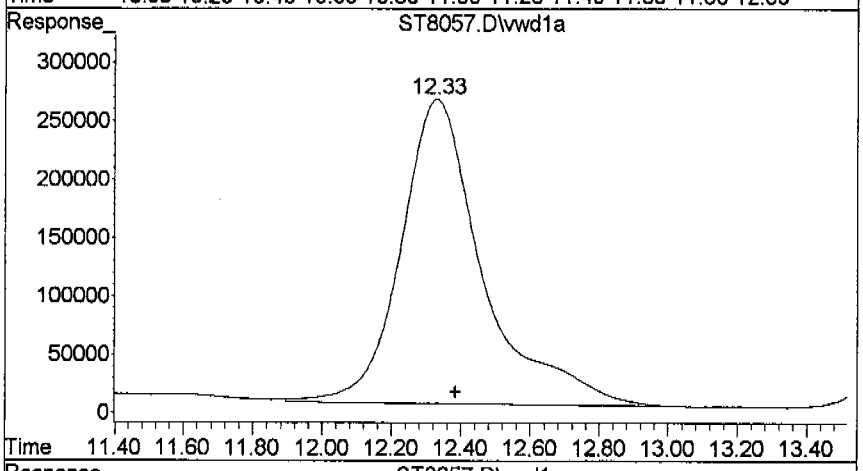






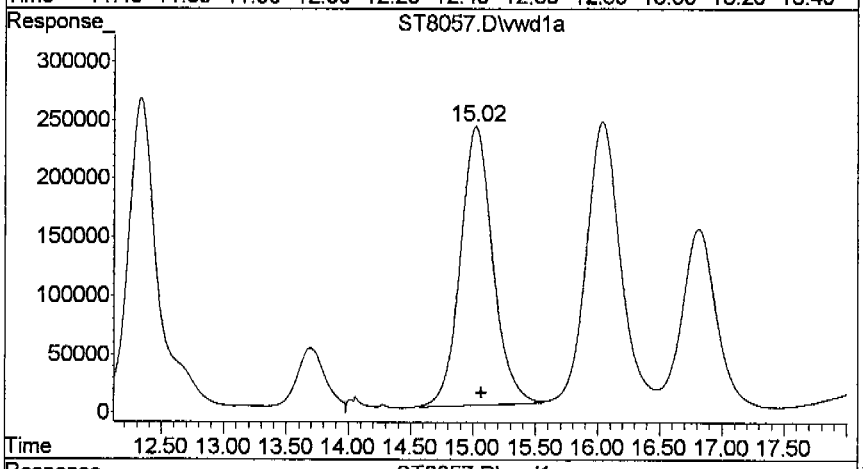
#2 1,2-Dinitrobenzene

R.T.: 10.698 min
Delta R.T.: -0.043 min
Response: 42062664
Conc: 1.96 ug/ml m



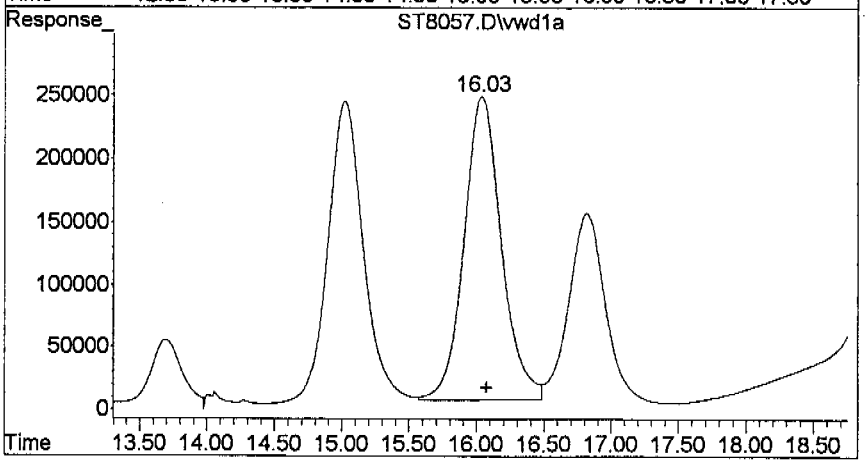
#11 Tetryl

R.T.: 12.328 min
Delta R.T.: -0.055 min
Response: 42898048
Conc: 1.88 ppb m



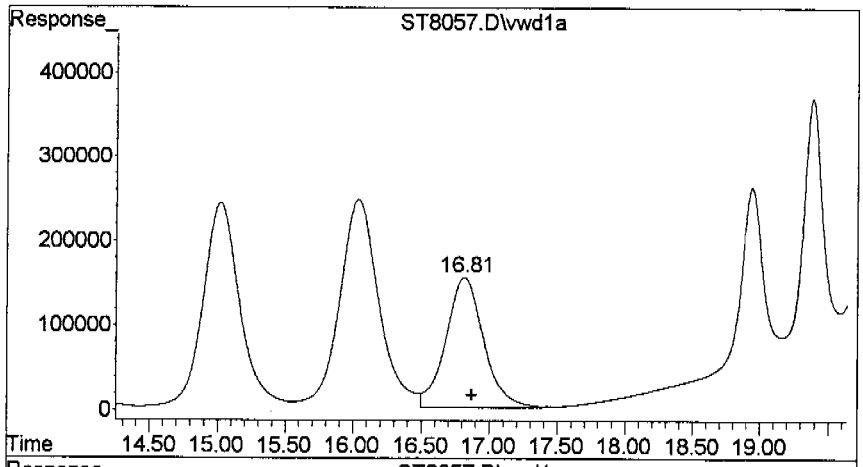
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.019 min
Delta R.T.: -0.047 min
Response: 43086828
Conc: 1.88 ppb m



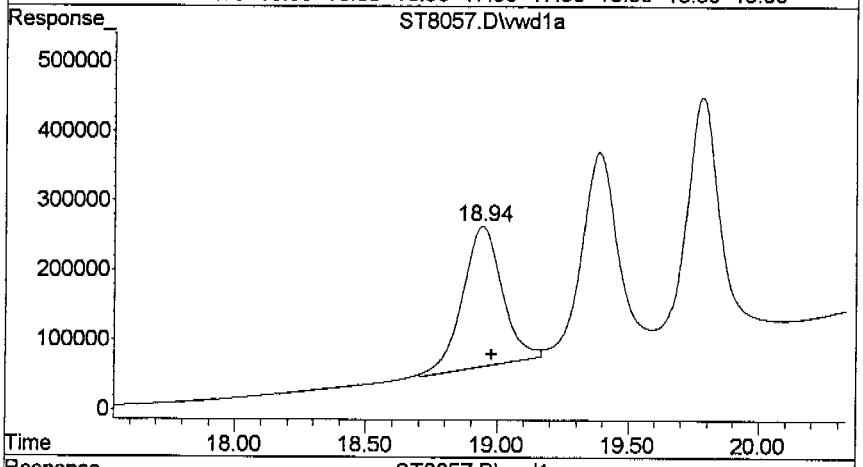
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.031 min
Delta R.T.: -0.042 min
Response: 46534400
Conc: 2.13 ppb m



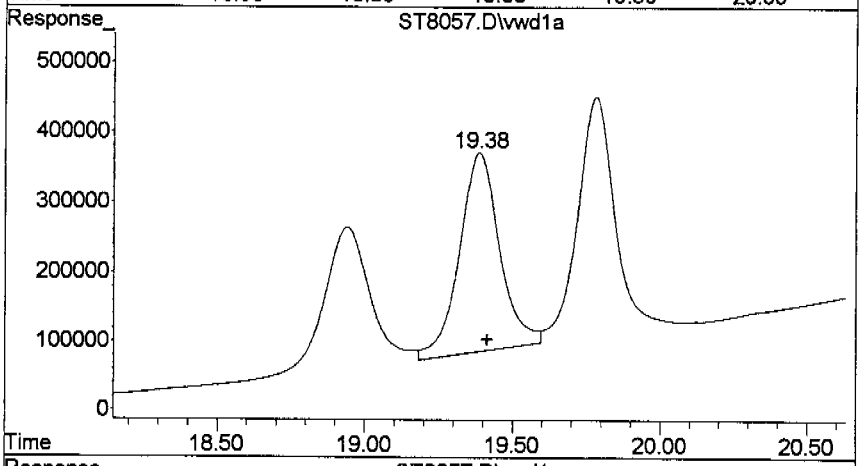
#14 2,6-Dinitrotoluene

R.T.: 16.814 min
Delta R.T.: -0.054 min
Response: 29619413
Conc: 1.41 ppb m



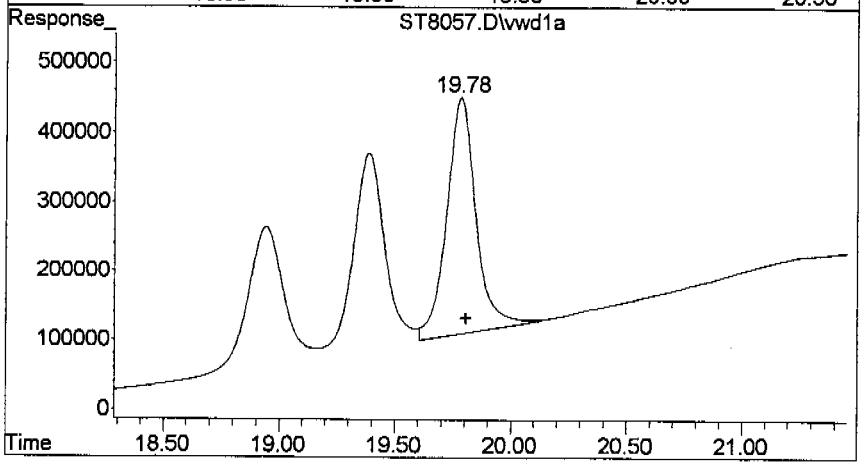
#15 o-Nitrotoluene

R.T.: 18.940 min
Delta R.T.: -0.035 min
Response: 21171995
Conc: 0.86 ppb m



#16 p-Nitrotoluene

R.T.: 19.385 min
Delta R.T.: -0.028 min
Response: 27174172
Conc: 1.60 ppb m



#17 m-Nitrotoluene

R.T.: 19.780 min
Delta R.T.: -0.023 min
Response: 30103006
Conc: 1.27 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8058.D\fld1a.ch Vial: 10
Signal #2 : D:\HPLC1\DATA\082004A\ST8058.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:06:13 Operator: caobinz
Sample : ic368-1,B 1 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:48 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:21:52 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	20433409	0.951 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	19.02%
Target Compounds			
11) Tetryl	12.46	21515242	0.943 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.18	22383423	0.981 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.27	22477723	1.002 ppb m
14) 2,6-Dinitrotoluene	17.09	13772711	0.699 ppb m
15) o-Nitrotoluene	19.09	10286477	0.462 ppb m
16) p-Nitrotoluene	19.51	12418422	0.783 ppb m
17) m-Nitrotoluene	19.88	15126842	0.716 ppb m

08/22/04

8/22/04

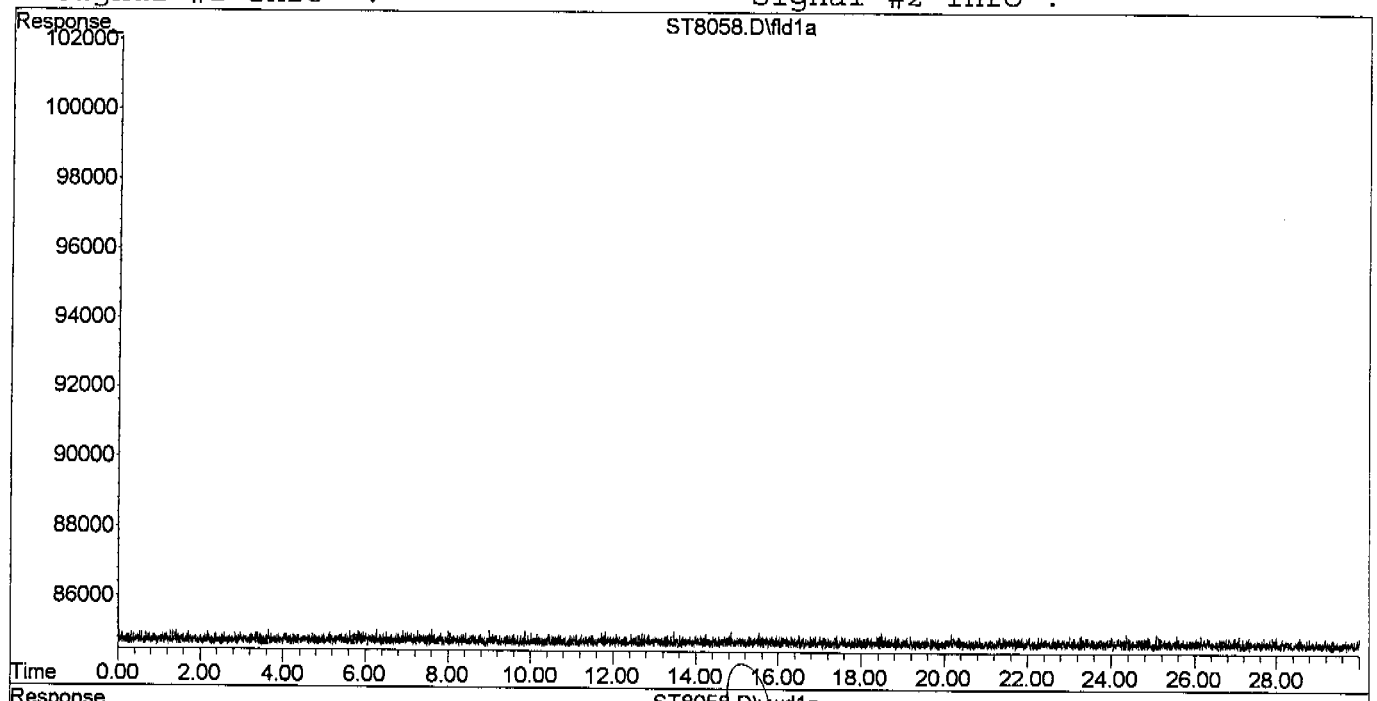
(f)=RT Delta > 1/2 Window (m)=manual int.

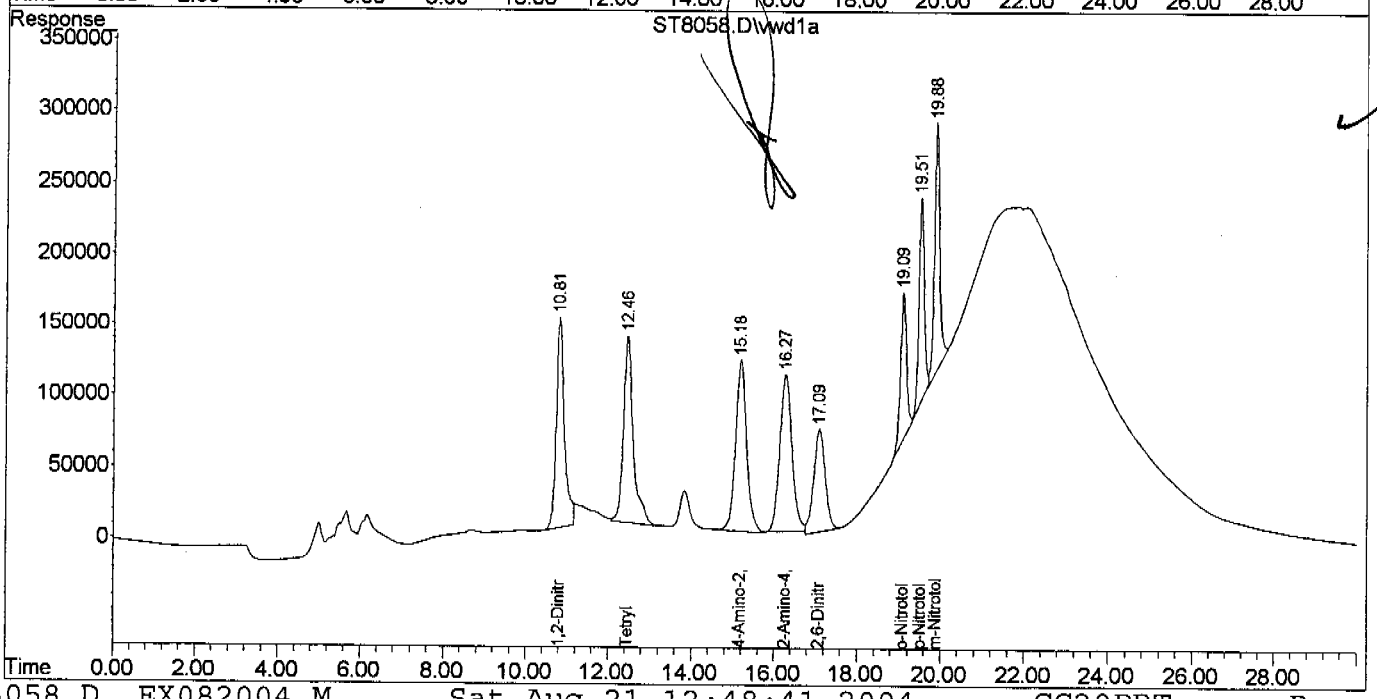
Quantitation Report (QT Reviewed)

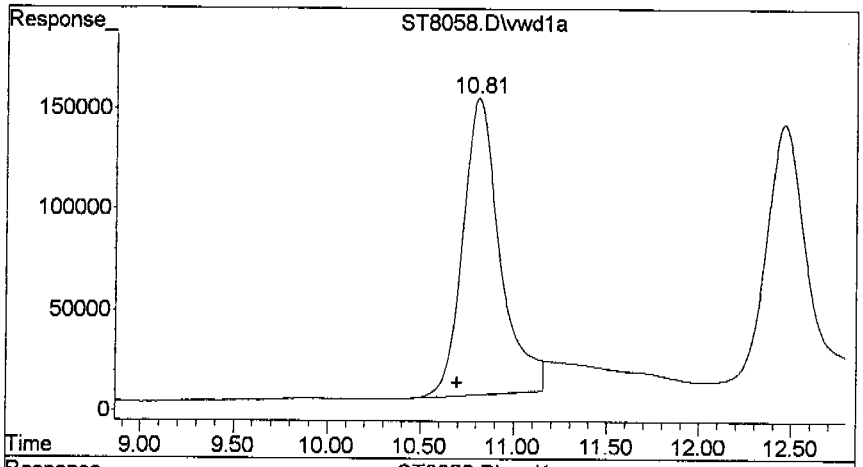
Signal #1 : D:\HPLC1\DATA\082004A\ST8058.D\fld1a.ch Vial: 10
Signal #2 : D:\HPLC1\DATA\082004A\ST8058.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:06:13 Operator: caobinz
Sample : ic368-1,B 1 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:48 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:21:52 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

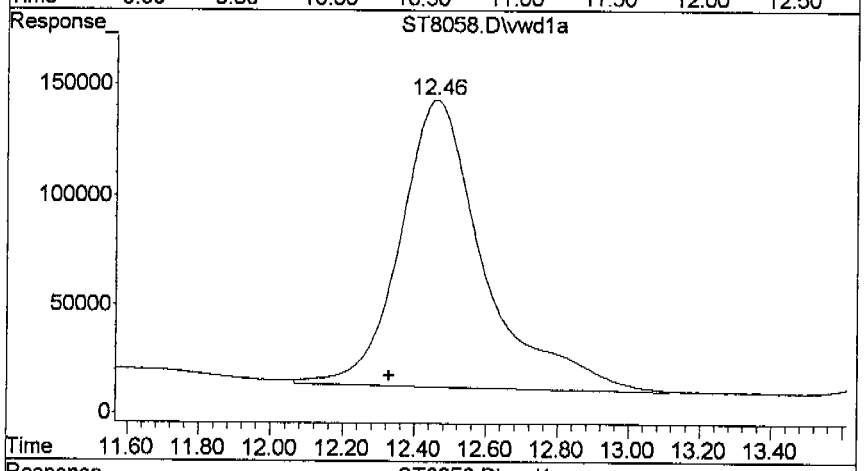






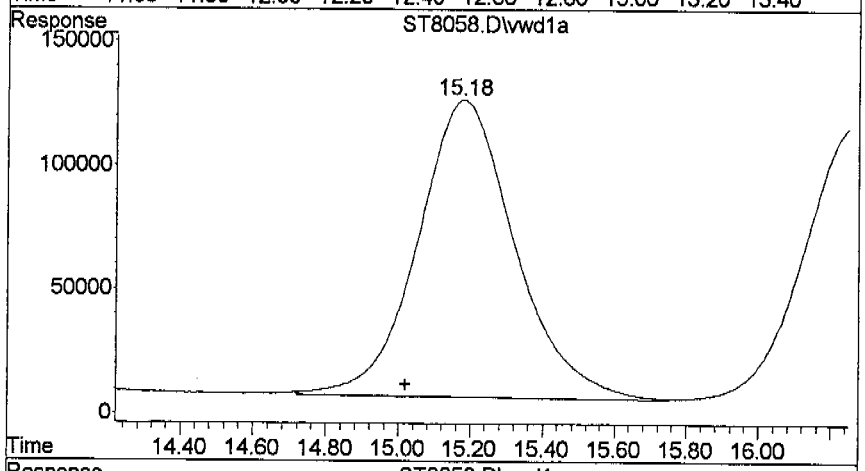
#2 1,2-Dinitrobenzene

R.T.: 10.807 min
Delta R.T.: 0.109 min
Response: 20433409
Conc: 0.95 ug/ml m



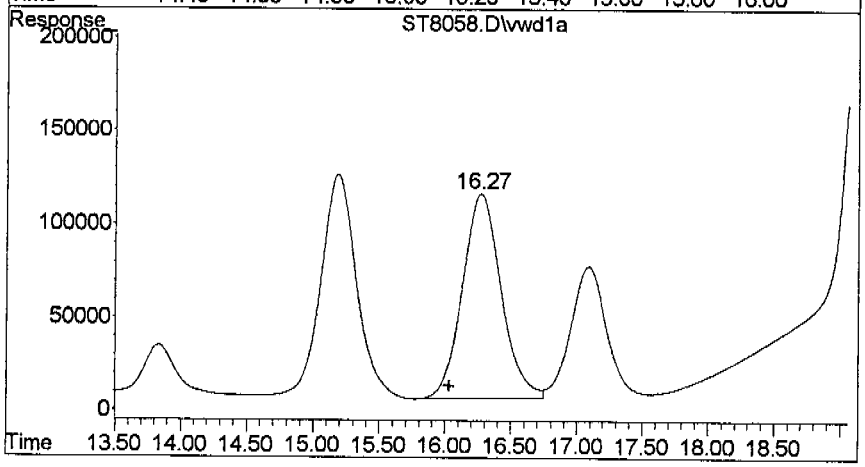
#11 Tetryl

R.T.: 12.459 min
Delta R.T.: 0.131 min
Response: 21515242
Conc: 0.94 ppb m



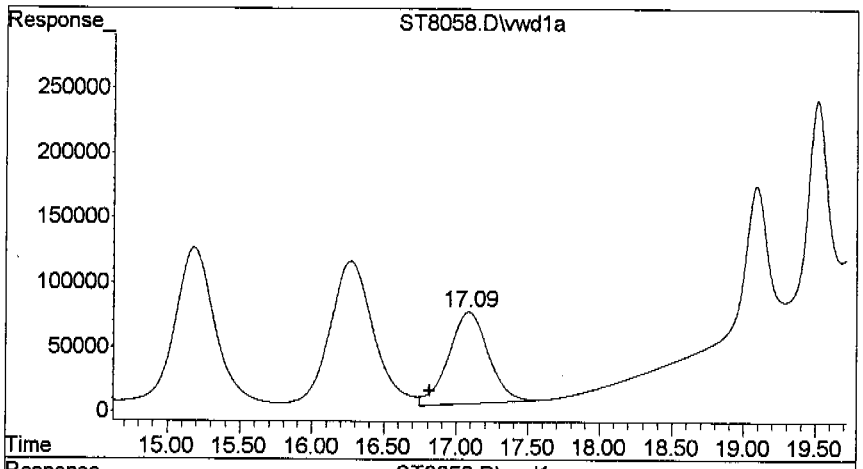
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.177 min
Delta R.T.: 0.158 min
Response: 22383423
Conc: 0.98 ppb m



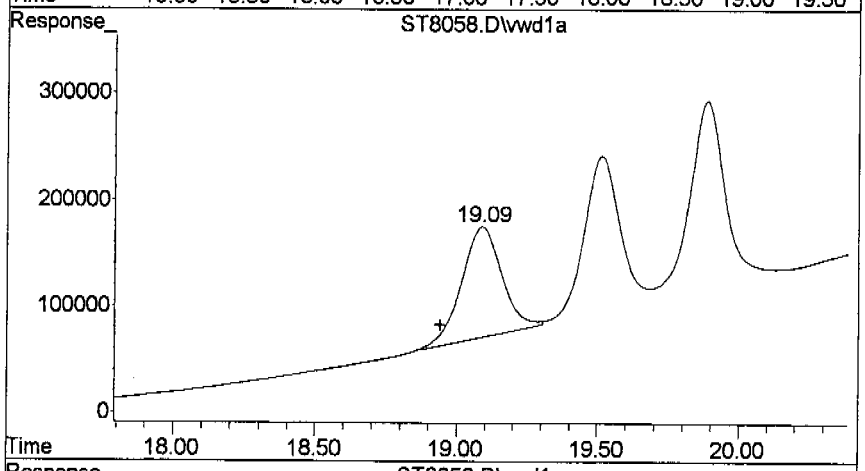
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.267 min
Delta R.T.: 0.236 min
Response: 22477723
Conc: 1.00 ppb m



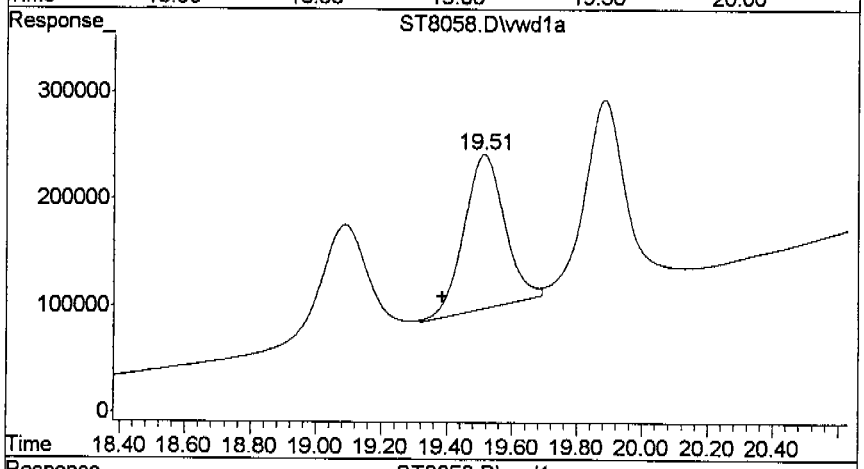
#14 2,6-Dinitrotoluene

R.T.: 17.085 min
Delta R.T.: 0.272 min
Response: 13772711
Conc: 0.70 ppb m



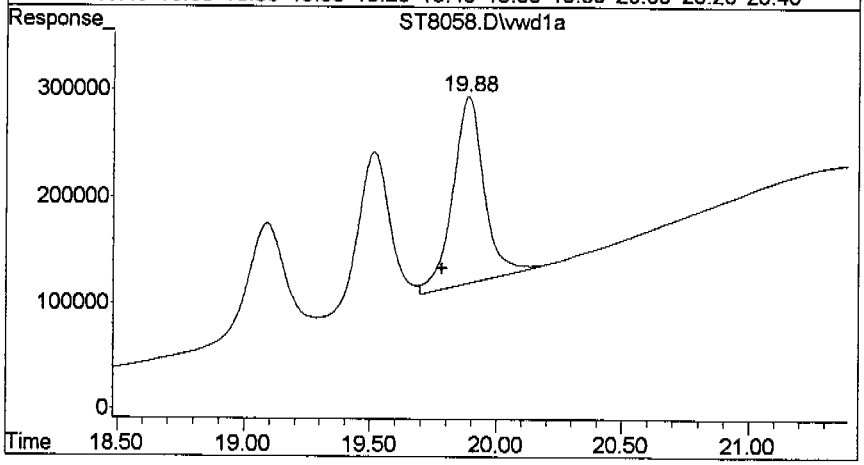
#15 o-Nitrotoluene

R.T.: 19.087 min
Delta R.T.: 0.147 min
Response: 10286477
Conc: 0.46 ppb m



#16 p-Nitrotoluene

R.T.: 19.510 min
Delta R.T.: 0.125 min
Response: 12418422
Conc: 0.78 ppb m



#17 m-Nitrotoluene

R.T.: 19.883 min
Delta R.T.: 0.103 min
Response: 15126842
Conc: 0.72 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8059.D\fld1a.ch Vial: 11
Signal #2 : D:\HPLC1\DATA\082004A\ST8059.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:36:53 Operator: caobinz
Sample : ic368-0.25,B 0.25 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:51 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:48:34 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.74	5488362	0.257 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	5.14%#
Target Compounds			
11) Tetryl	12.35	4773527	0.208 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.00	5287054	0.231 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.02	5575445	0.242 ppb m
14) 2,6-Dinitrotoluene	16.80	3643522	0.198 ppb m
15) o-Nitrotoluene	18.94	3177896	0.162 ppb m
16) p-Nitrotoluene	19.39	3847715	0.264 ppb m
17) m-Nitrotoluene	19.78	3907303	0.209 ppb m

08/22/04

8/24/04

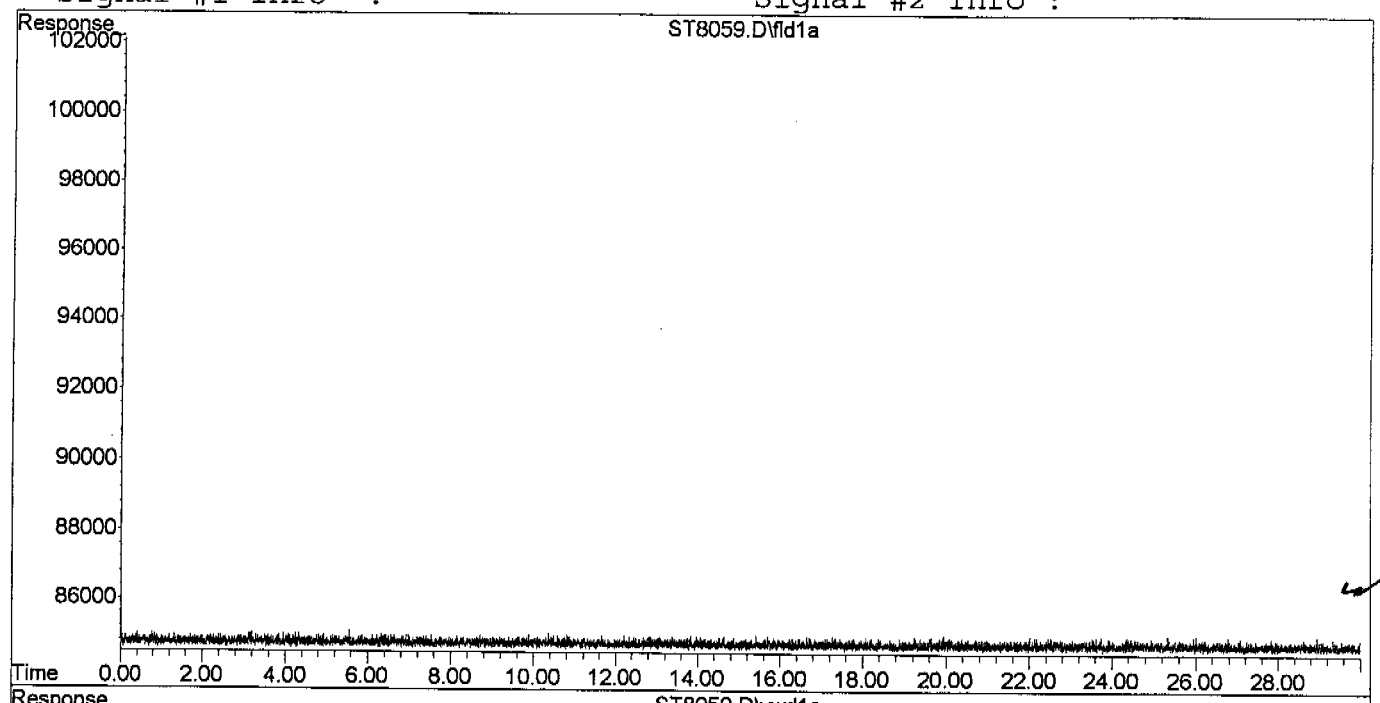
(f)=RT Delta > 1/2 Window (m)=manual int.

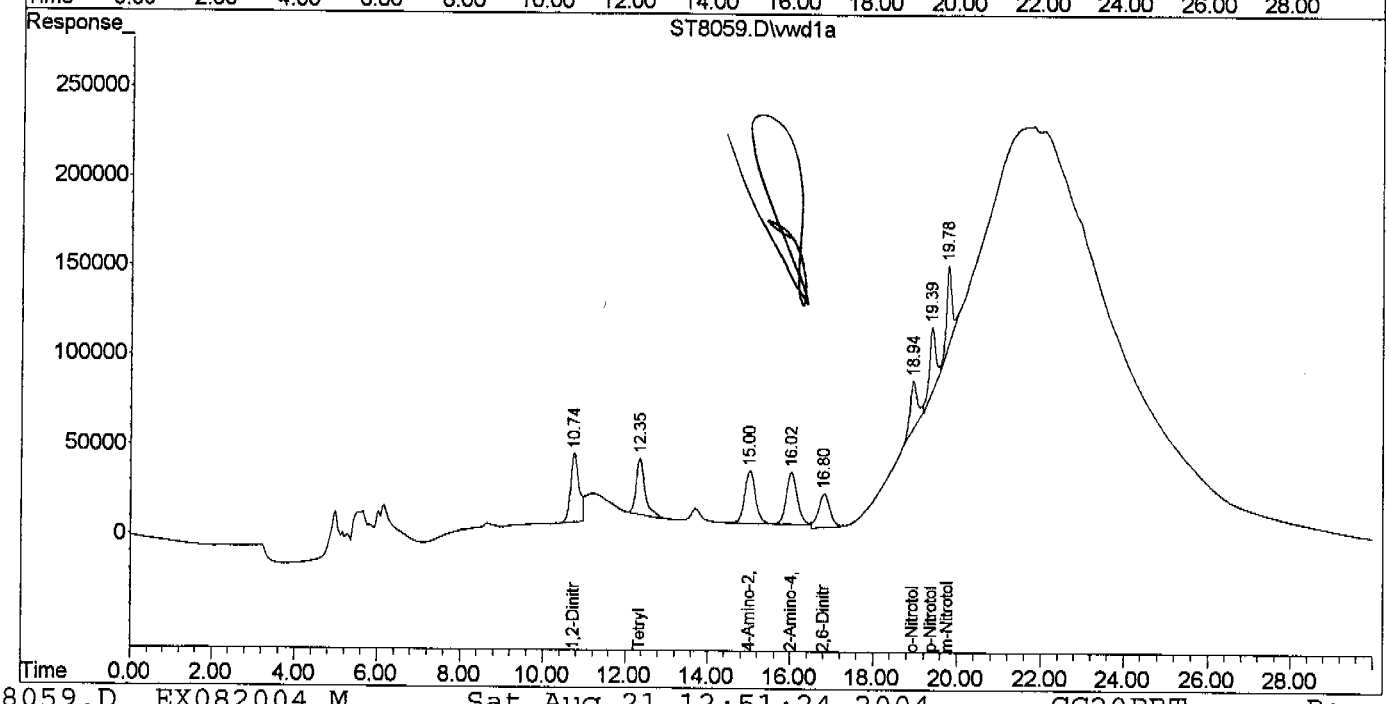
Quantitation Report (QT Reviewed)

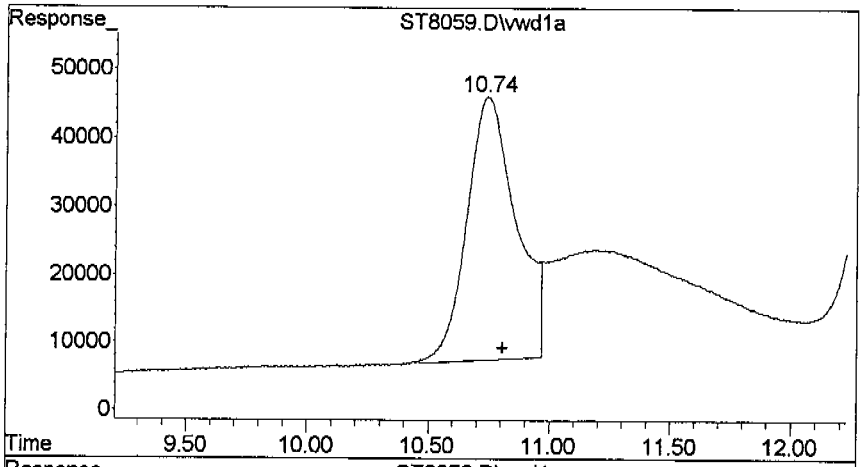
Signal #1 : D:\HPLC1\DATA\082004A\ST8059.D\fld1a.ch Vial: 11
Signal #2 : D:\HPLC1\DATA\082004A\ST8059.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:36:53 Operator: caobinz
Sample : ic368-0.25,B 0.25 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:51 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:48:34 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

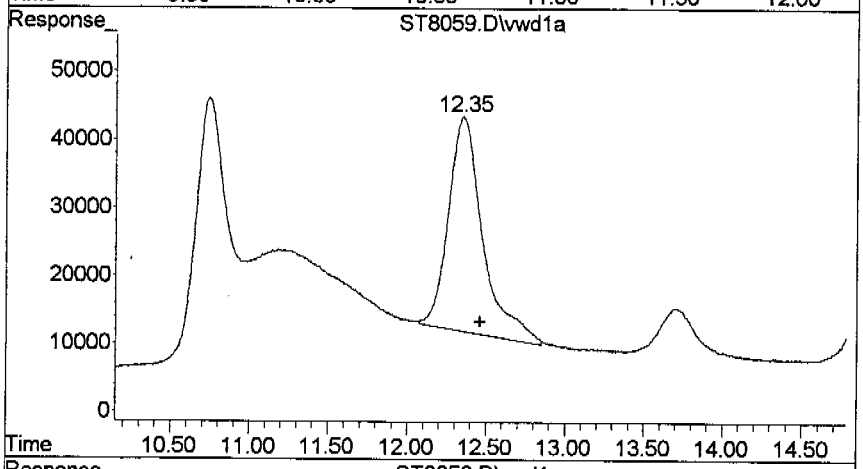






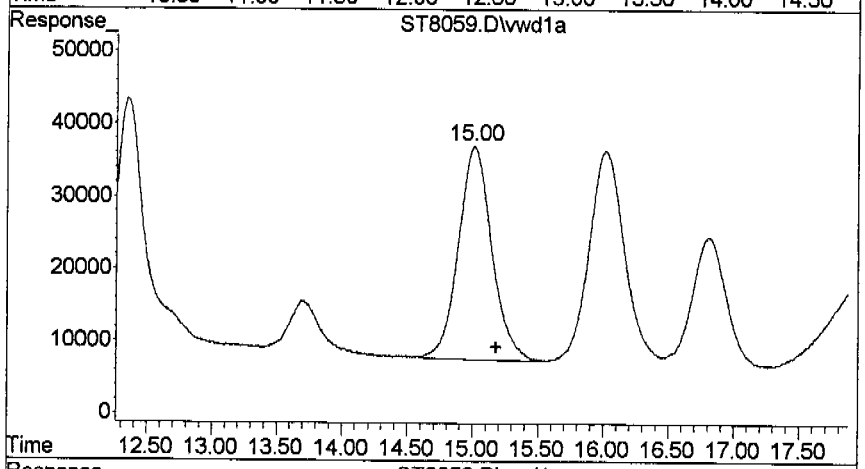
#2 1,2-Dinitrobenzene

R.T.: 10.739 min
Delta R.T.: -0.068 min
Response: 5488362
Conc: 0.26 ug/ml m



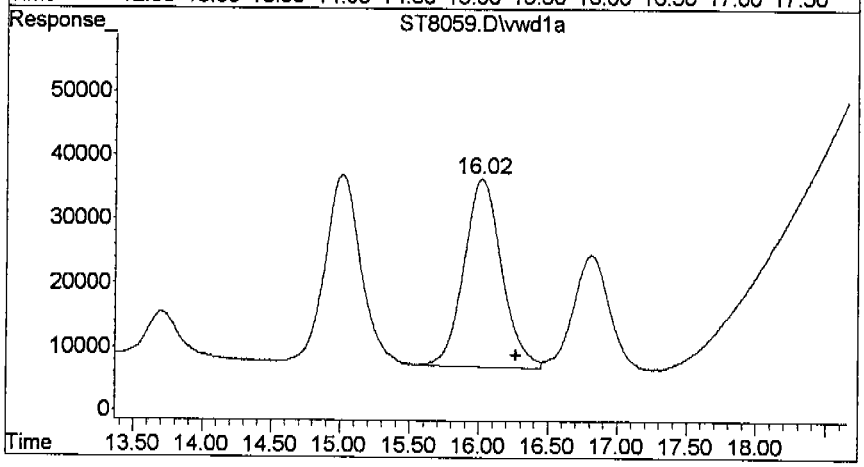
#11 Tetryl

R.T.: 12.349 min
Delta R.T.: -0.110 min
Response: 4773527
Conc: 0.21 ppb m



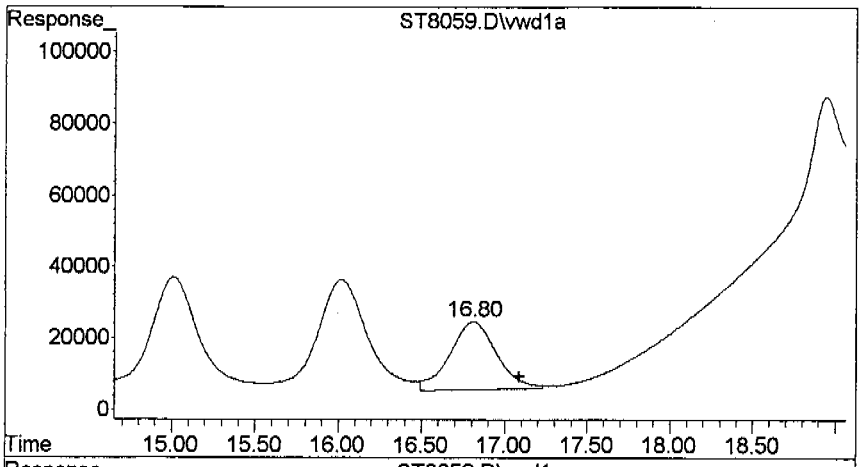
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.004 min
Delta R.T.: -0.172 min
Response: 5287054
Conc: 0.23 ppb m



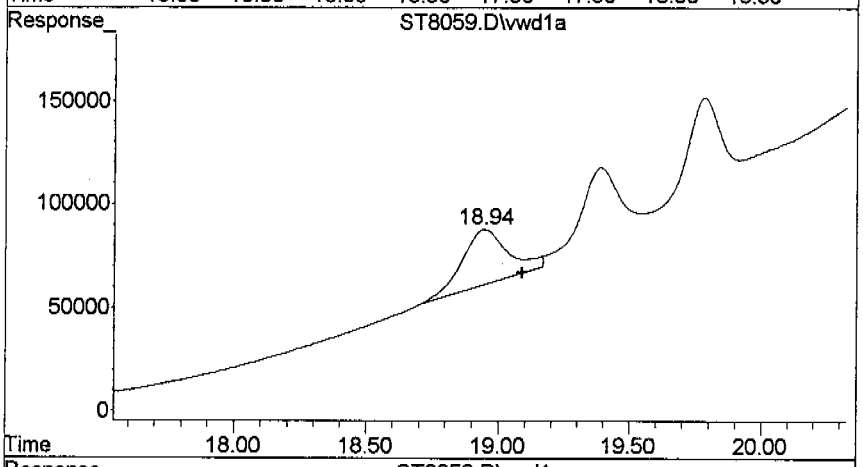
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.016 min
Delta R.T.: -0.251 min
Response: 5575445
Conc: 0.24 ppb m



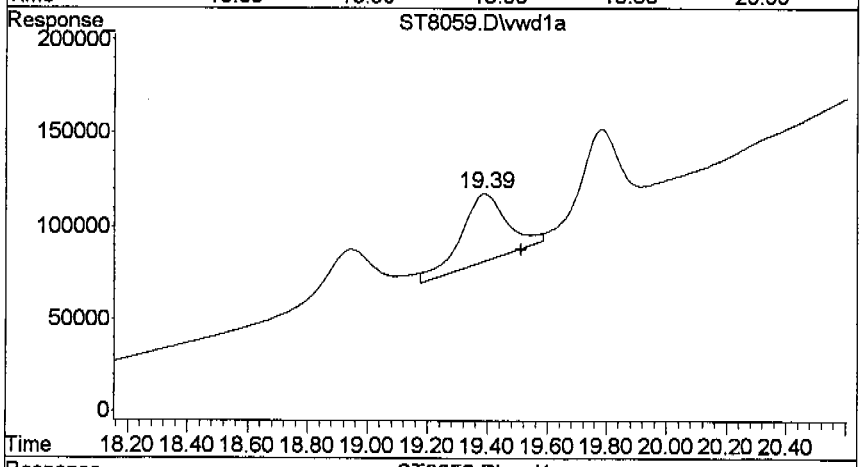
#14 2,6-Dinitrotoluene

R.T.: 16.803 min
Delta R.T.: -0.282 min
Response: 3643522
Conc: 0.20 ppb m



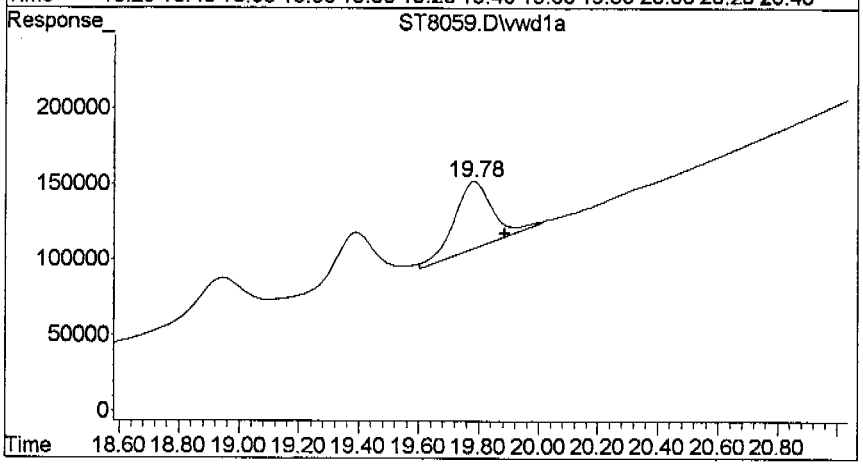
#15 o-Nitrotoluene

R.T.: 18.943 min
Delta R.T.: -0.143 min
Response: 3177896
Conc: 0.16 ppb m



#16 p-Nitrotoluene

R.T.: 19.390 min
Delta R.T.: -0.120 min
Response: 3847715
Conc: 0.26 ppb m



#17 m-Nitrotoluene

R.T.: 19.782 min
Delta R.T.: -0.101 min
Response: 3907303
Conc: 0.21 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8060.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8060.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:07:31 Operator: caobinz
Sample : ic368-0.05,B 0.05 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:59 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:51:14 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	1168757	0.056 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	1.12%#
Target Compounds			
11) Tetryl	12.38	738110	0.034 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.02	1009549	0.045 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.05	1240807	0.052 ppb m
16) p-Nitrotoluene	19.48	426694	0.030 ppb m
17) m-Nitrotoluene	19.81	460973	0.028 ppb m

08/22/04

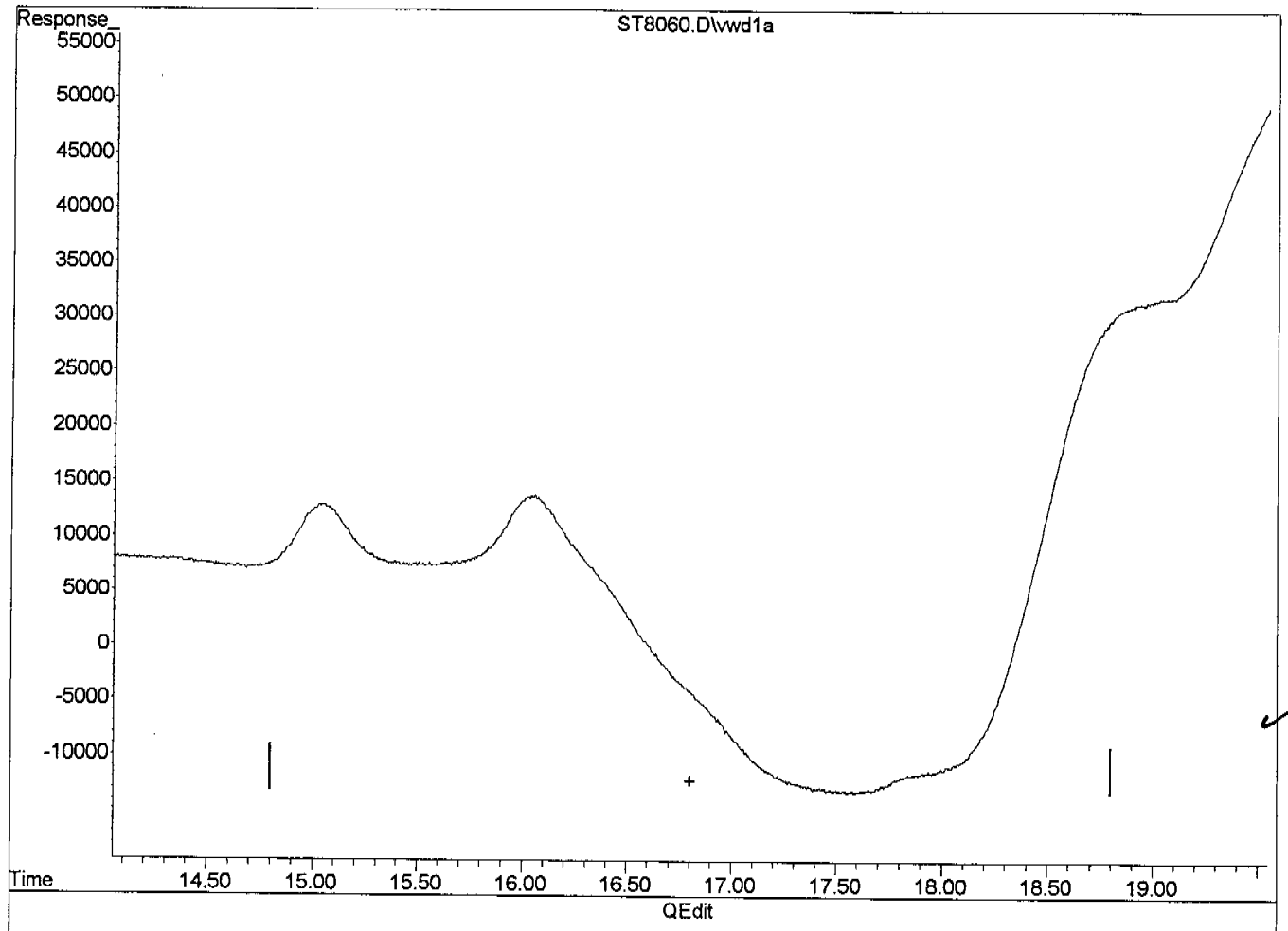
8/22/04

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

Quantitation Report (Qedit)

Signal #1 : D:\HPLC1\DATA\082004A\ST8060.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8060.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:07:31 Operator: caobinz
Sample : ic368-0.05,B 0.05 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:52 2004 Quant Results File: EX082004.RES

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:51:14 2004
Response via : Multiple Level Calibration



(14) 2,6-Dinitrotoluene

0.00min 0.000ppb d

response 0

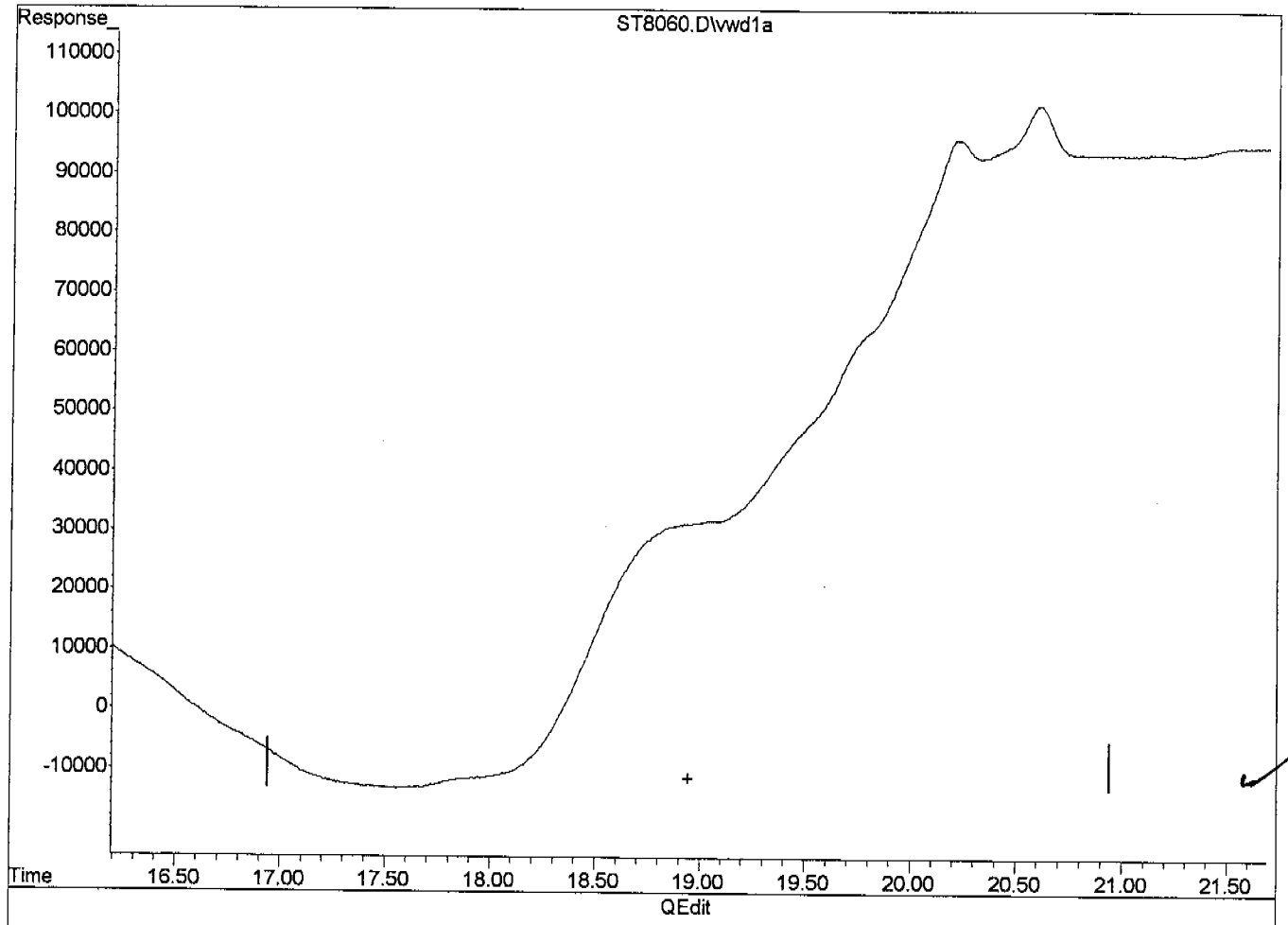
(+) = Expected Retention Time

ST8060.D EX082004.M Sat Aug 21 12:54:14 2004 GC20PRT

Quantitation Report (Qedit)

Signal #1 : D:\HPLC1\DATA\082004A\ST8060.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8060.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:07:31 Operator: caobinz
Sample : ic368-0.05,B 0.05 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:52 2004 Quant Results File: EX082004.RES

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:51:14 2004
Response via : Multiple Level Calibration



(15) o-Nitrotoluene

0.00min 0.000ppb d

response 0

(+) = Expected Retention Time

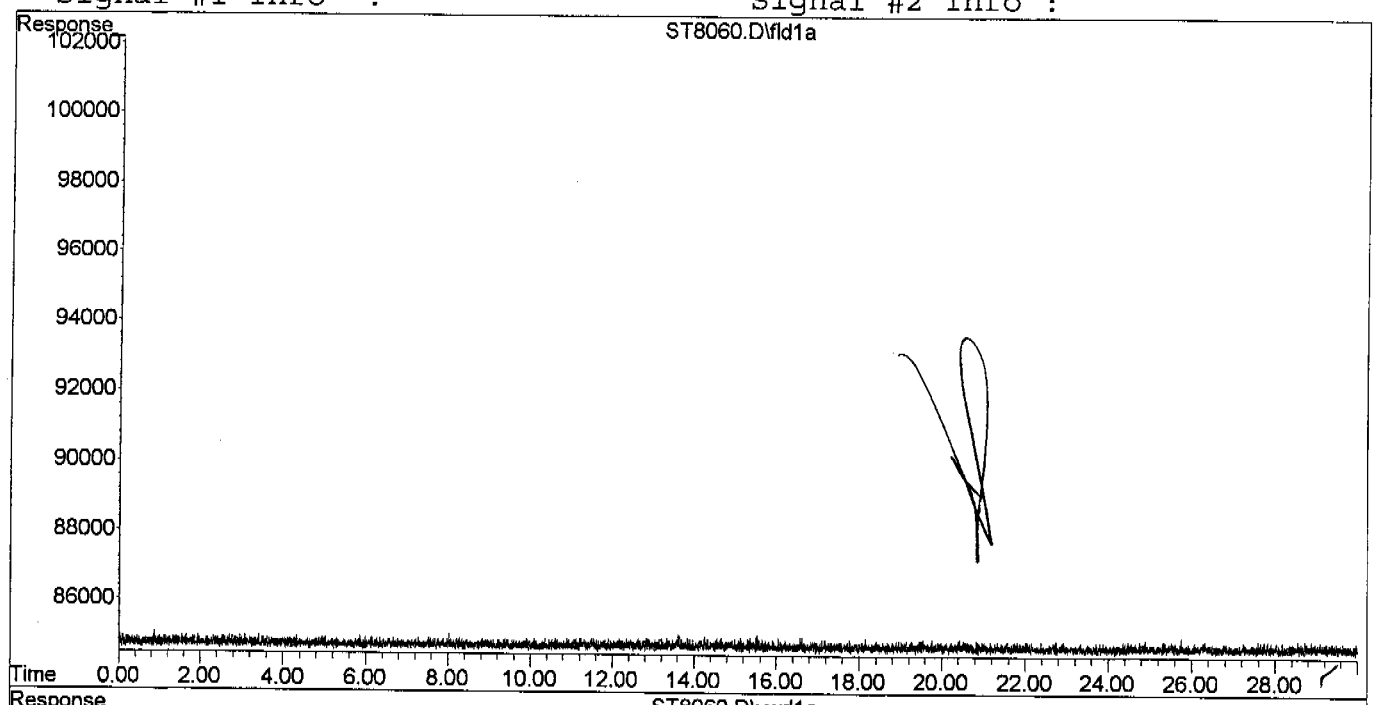
ST8060.D EX082004.M Sat Aug 21 13:00:34 2004 GC20PRT

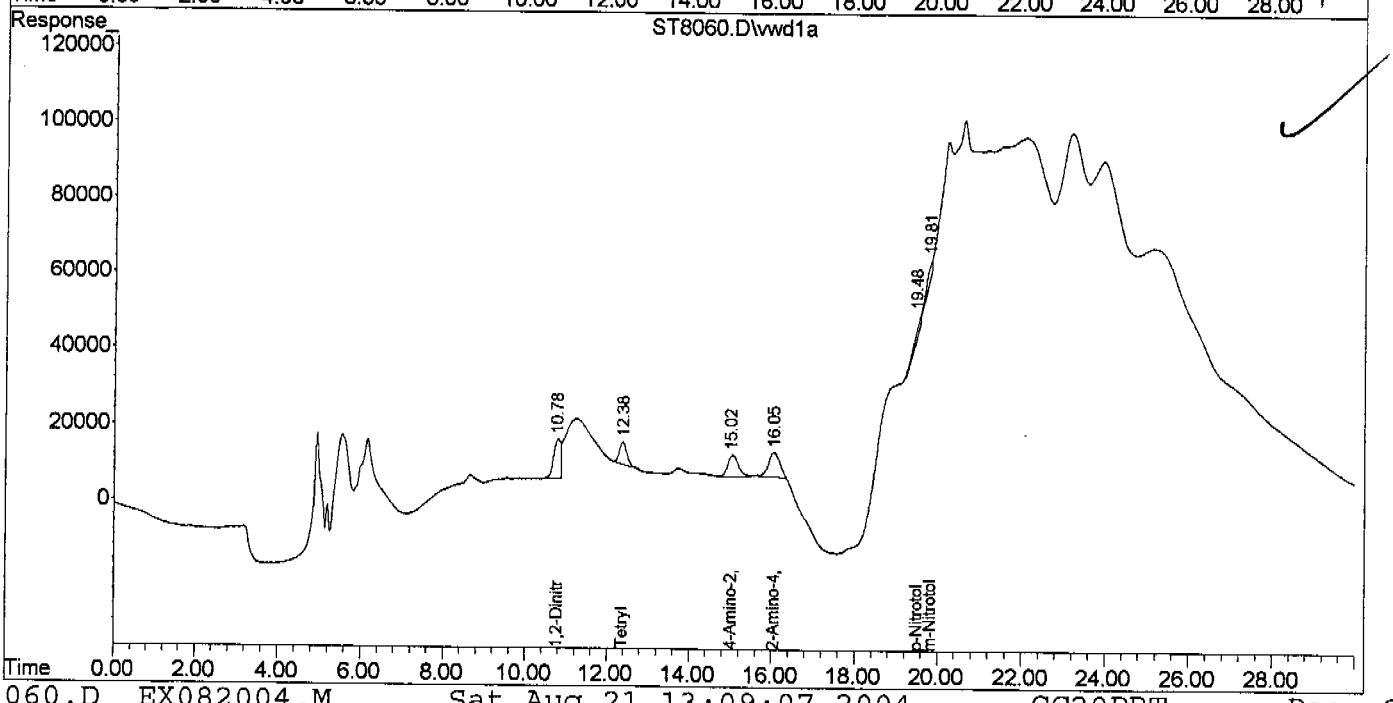
Quantitation Report (QT Reviewed)

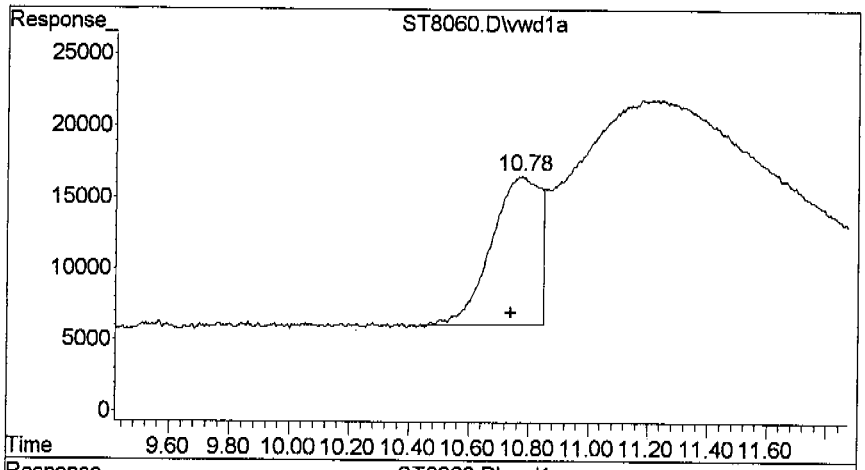
Signal #1 : D:\HPLC1\DATA\082004A\ST8060.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8060.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:07:31 Operator: caobinz
Sample : ic368-0.05,B 0.05 Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 12:59 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 12:51:14 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

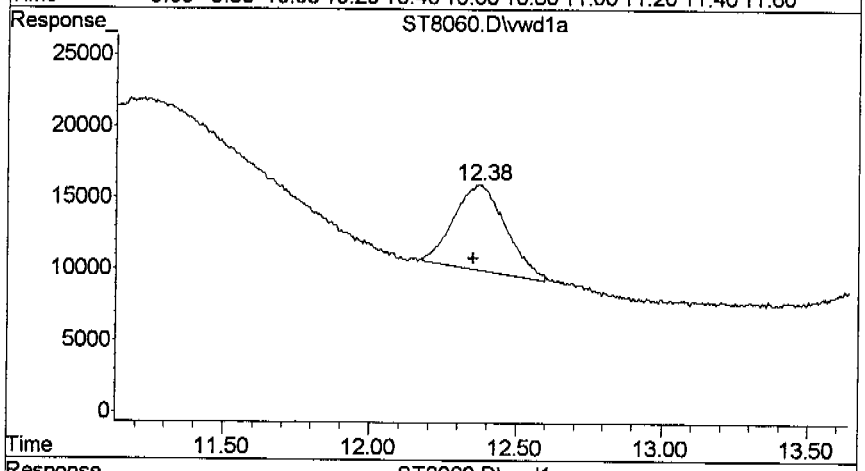






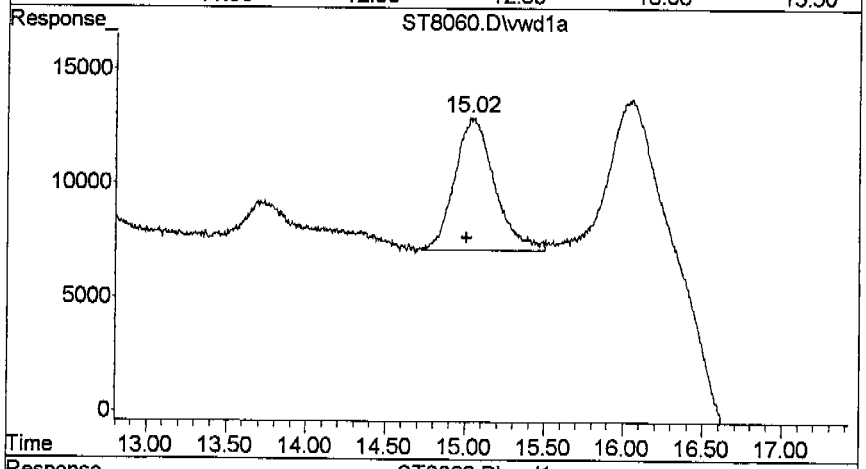
#2 1,2-Dinitrobenzene

R.T.: 10.777 min
Delta R.T.: 0.038 min
Response: 1168757
Conc: 0.06 ug/ml m



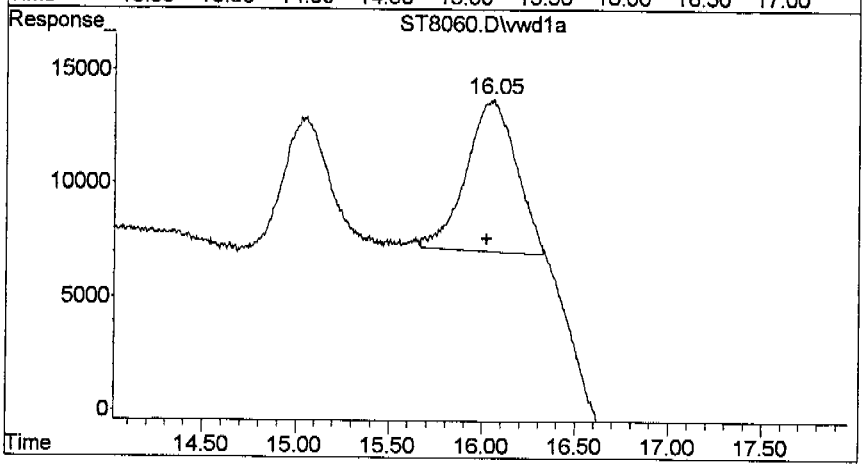
#11 Tetryl

R.T.: 12.380 min
Delta R.T.: 0.031 min
Response: 738110
Conc: 0.03 ppb m



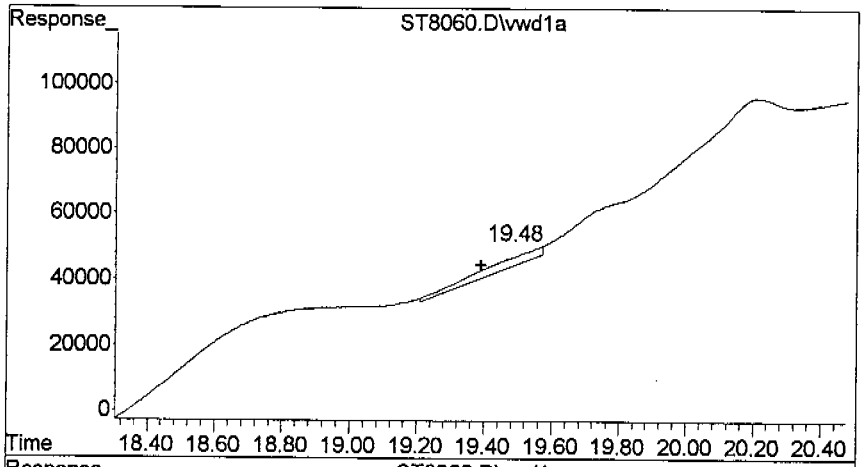
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.024 min
Delta R.T.: 0.020 min
Response: 1009549
Conc: 0.04 ppb m



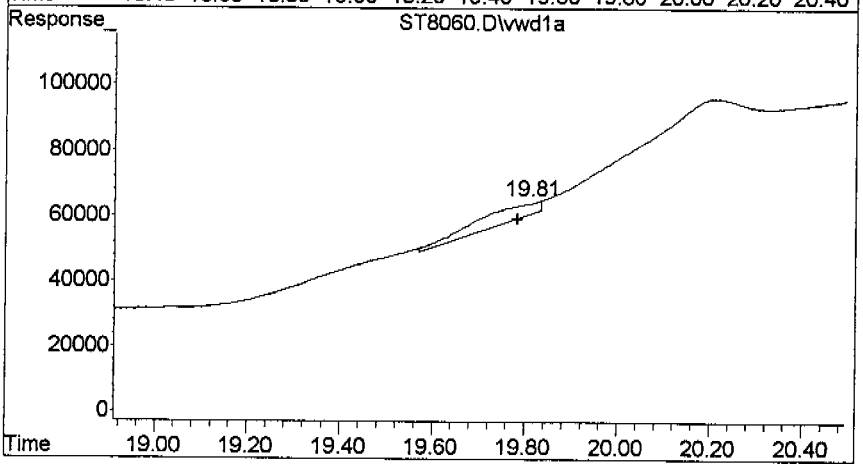
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.053 min
Delta R.T.: 0.037 min
Response: 1240807
Conc: 0.05 ppb m



#16 p-Nitrotoluene

R.T.: 19.483 min
Delta R.T.: 0.094 min
Response: 426694
Conc: 0.03 ppb m



#17 m-Nitrotoluene

R.T.: 19.810 min
Delta R.T.: 0.028 min
Response: 460973
Conc: 0.03 ppb m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8061.D\fld1a.ch Vial: 13
Signal #2 : D:\HPLC1\DATA\082004A\ST8061.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:38:11 Operator: caobinz
Sample : icv368-5,A 5,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:11:52 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2 s	1,2-Dinitrobenzene	21.227	19.437 E6	8.4	95	0.00
3	HMX	18.441	17.888 E6	3.0	99	-0.03
4	RDX	14.779	14.088 E6	4.7	99	-0.09
5	1,3,5-Trinitrobenzene	45.415	30.509 E6	32.8#	91	-0.17
6	1,3-Dinitrobenzene	18.386	18.588 E6	-1.1	99	-0.24
7	Nitrobenzene	13.019	13.510 E6	-3.8	102	-0.30
8	2,4,6-Trinitrotoluene	22.045	21.760 E6	1.3	97	-0.39
9	2,4-Dinitrotoluene	12.149	13.894 E6	-14.4	102	-0.43

08/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8061.D\fld1a.ch Vial: 13
Signal #2 : D:\HPLC1\DATA\082004A\ST8061.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:38:11 Operator: caobinz
Sample : icv368-5,A 5,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:11:52 2004
Response via : Single Level Calibration

8/22/04

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
10	PETN	4.722	0.000 E6	100.0#	0#	-19.13#
11	Tetryl	20.135	0.000 E6	100.0#	0#	-12.35#
12	4-Amino-2,6-Dinitrotoluene	21.727	0.000 E6	100.0#	0#	-15.00#
13	2-Amino-4,6-Dinitrotoluene	23.382	0.000 E6	100.0#	0#	-16.02#
14	2,6-Dinitrotoluene	14.815	0.000 E6	100.0#	0#	-16.80#
15	o-Nitrotoluene	11.165	0.000 E6	100.0#	0#	-18.94#
16	p-Nitrotoluene	13.130	0.000 E6	100.0#	0#	-19.39#
17	m-Nitrotoluene	14.544	0.000 E6	100.0#	0#	-19.78#
18	2,4-Diamino-6-Nitrotoluene	15.[illegible]	0.000 E6	100.0#	0#	-5.87#

19	2,6-Diamino-4-Nitrotoluene	66.534	0.000 E6	100.0#	0# -6.27#

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

ST8056.D EX082004.M Sat Aug 21 13:15:45 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8061.D\fld1a.ch Vial: 13
Signal #2 : D:\HPLC1\DATA\082004A\ST8061.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:38:11 Operator: caobinz
Sample : icv368-5,A 5,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 13:15 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:11:52 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.74	97185892	4.578 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	91.56%
Target Compounds			
3) HMX	6.51	89439232	4.850 ppb m
4) RDX	8.83	70441959	4.766 ppb m
5) 1,3,5-Trinitrobenzene	11.25	152547347	4.522 ppb m
6) 1,3-Dinitrobenzene	13.08	92941643	5.055 ppb m
7) Nitrobenzene	14.30	67548055	5.188 ppb m
8) 2,4,6-Trinitrotoluene	15.13	108799067	4.935 ppb m
9) 2,4-Dinitrotoluene	17.62	69467660	5.718 ppb m

08/22/04

8/22/04

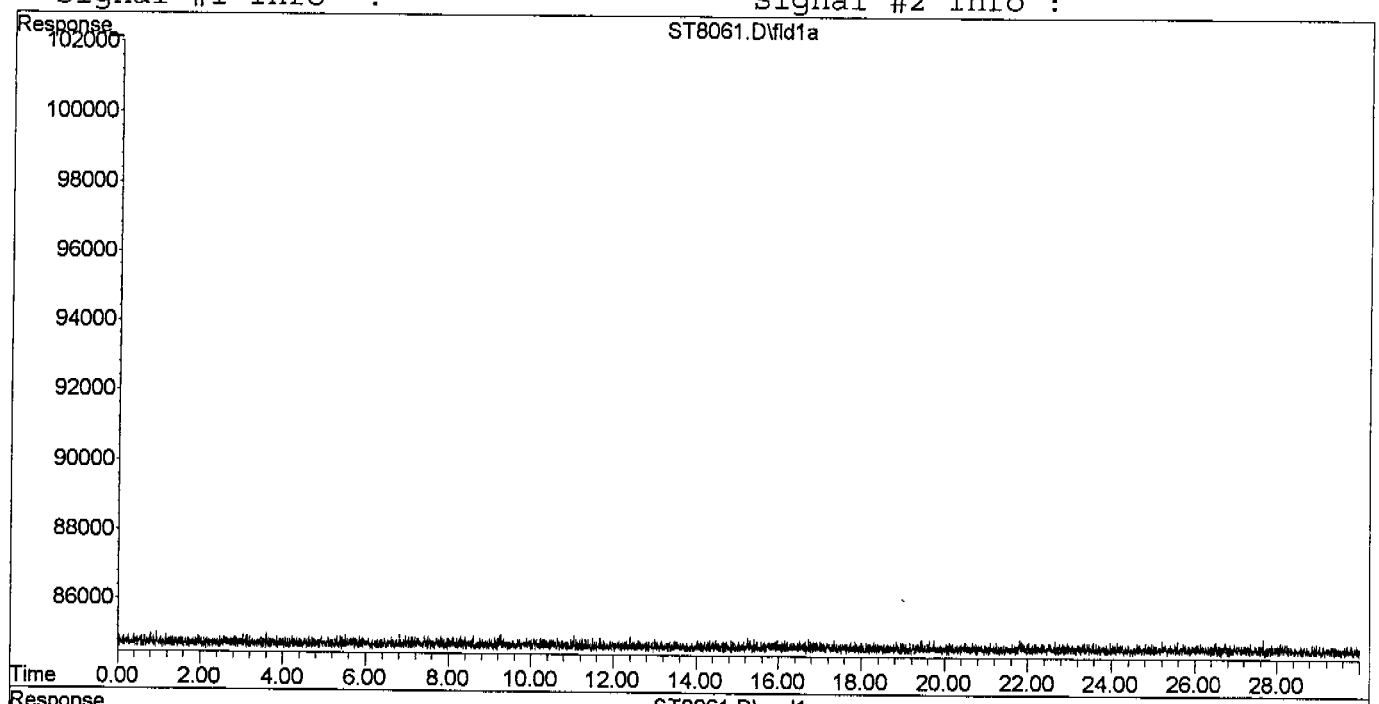
(f)=RT Delta > 1/2 Window (m)=manual int.

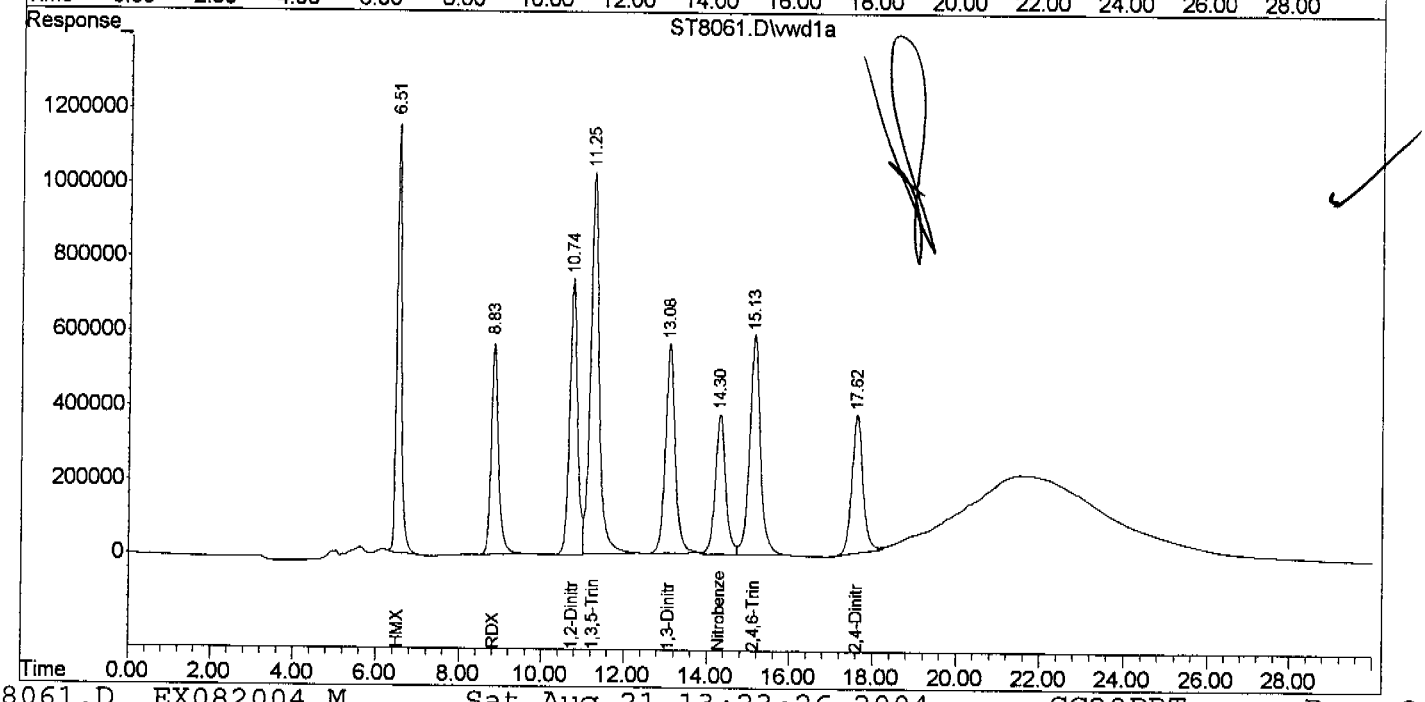
Quantitation Report (QT Reviewed)

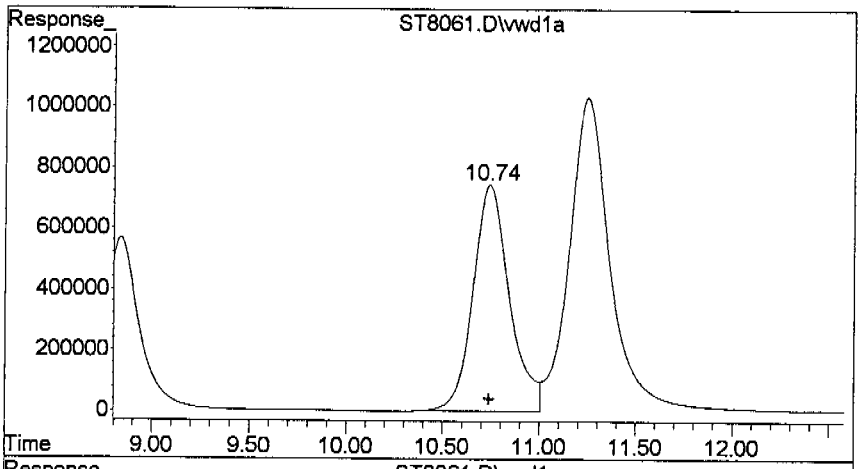
Signal #1 : D:\HPLC1\DATA\082004A\ST8061.D\fld1a.ch Vial: 13
Signal #2 : D:\HPLC1\DATA\082004A\ST8061.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:38:11 Operator: caobinz
Sample : icv368-5,A 5,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 13:15 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:11:52 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

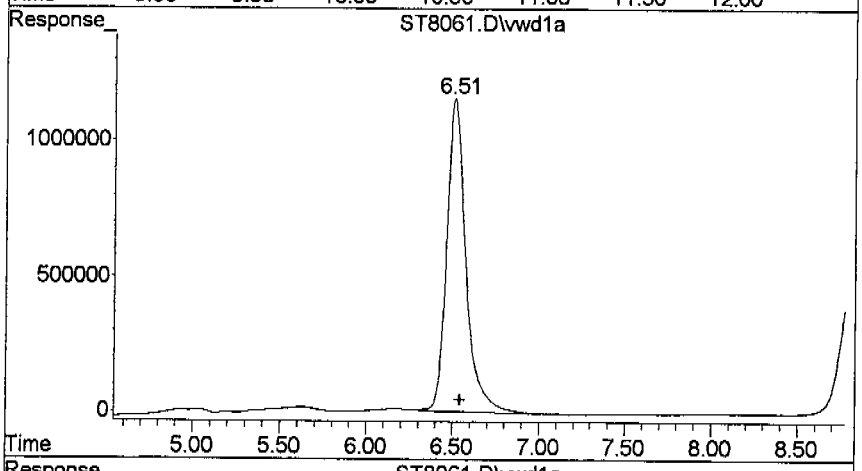






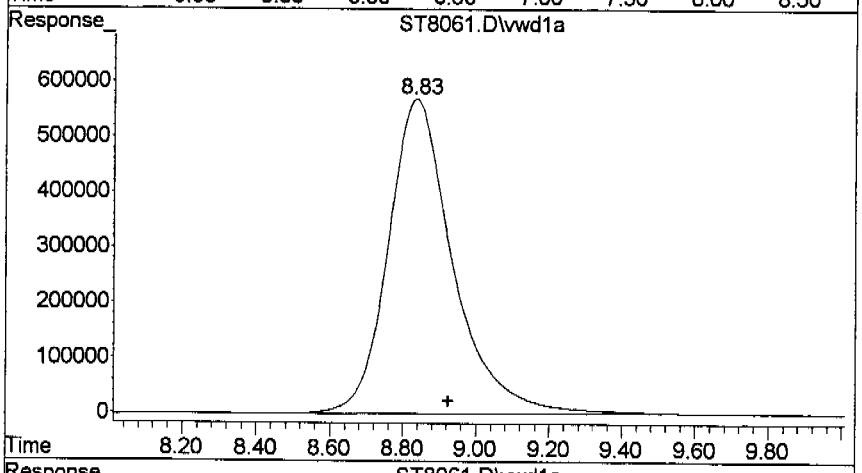
#2 1,2-Dinitrobenzene

R.T.: 10.739 min
Delta R.T.: 0.000 min
Response: 97185892
Conc: 4.58 ug/ml m



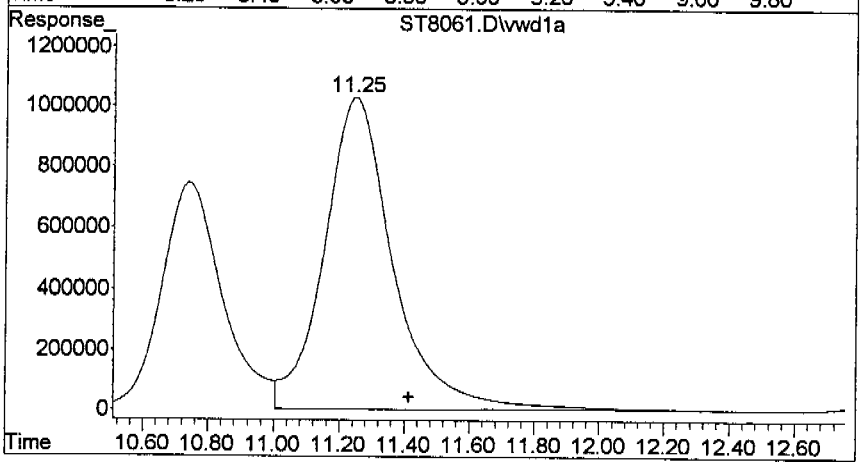
#3 HMX

R.T.: 6.509 min
Delta R.T.: -0.032 min
Response: 89439232
Conc: 4.85 ppb m



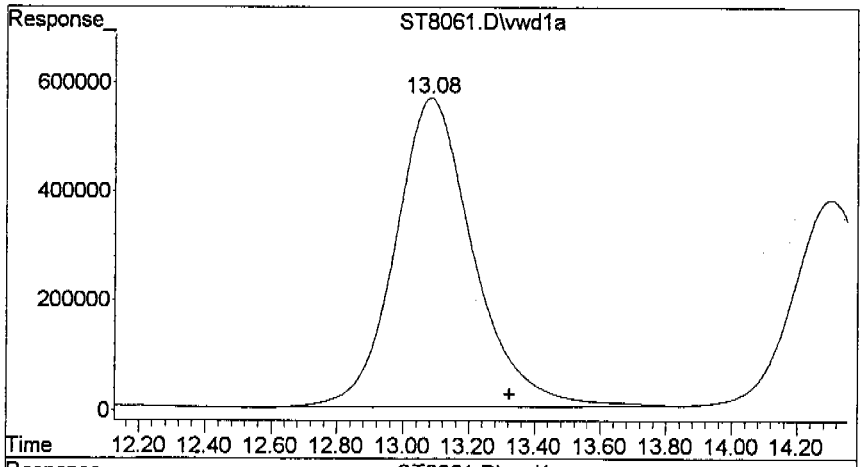
#4 RDX

R.T.: 8.834 min
Delta R.T.: -0.089 min
Response: 70441959
Conc: 4.77 ppb m



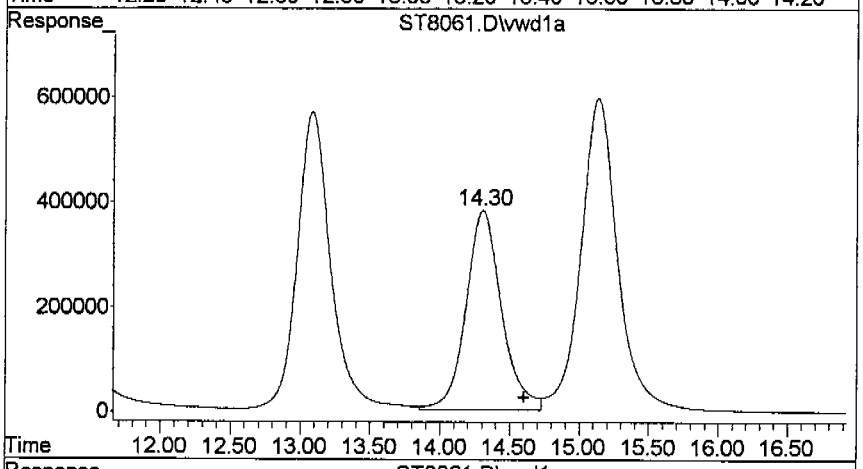
#5 1,3,5-Trinitrobenzene

R.T.: 11.245 min
Delta R.T.: -0.168 min
Response: 152547347
Conc: 4.52 ppb m



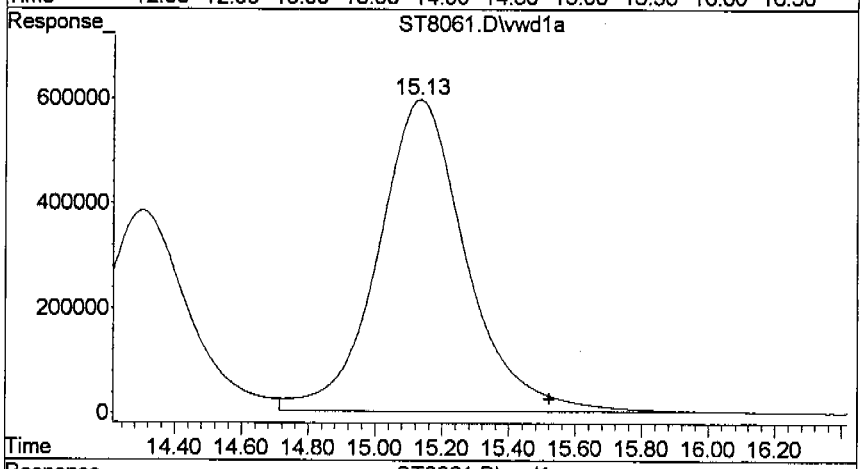
#6 1,3-Dinitrobenzene

R.T.: 13.081 min
Delta R.T.: -0.242 min
Response: 92941643
Conc: 5.06 ppb m



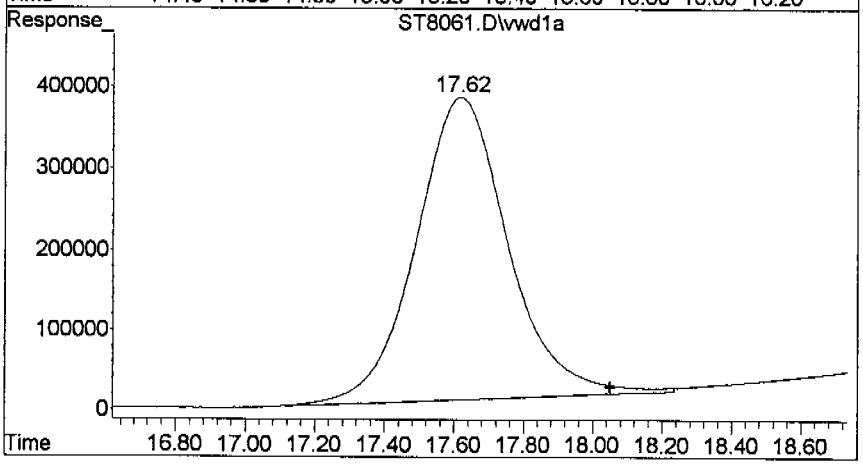
#7 Nitrobenzene

R.T.: 14.302 min
Delta R.T.: -0.298 min
Response: 67548055
Conc: 5.19 ppb m



#8 2,4,6-Trinitrotoluene

R.T.: 15.131 min
Delta R.T.: -0.389 min
Response: 108799067
Conc: 4.94 ppb m



#9 2,4-Dinitrotoluene

R.T.: 17.616 min
Delta R.T.: -0.434 min
Response: 69467660
Conc: 5.72 ppb m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8062.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8062.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:08:51 Operator: caobinz
Sample : icv368-10,B 10,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 16:51:20 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

Signal #2

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2 s	1,2-Dinitrobenzene	21.227	20.523 E6	3.3	102	-0.44
11	Tetryl	20.135	22.820 E6	-13.3	103	0.00
12	4-Amino-2,6-Dinitrotoluene	21.727	21.923 E6	-0.9	96	0.02
13	2-Amino-4,6-Dinitrotoluene	23.382	22.988 E6	1.7	96	0.02
14	2,6-Dinitrotoluene	14.815	15.048 E6	-1.6	95	0.02
15	o-Nitrotoluene	11.165	10.279 E6	7.9	91	0.00
16	p-Nitrotoluene	13.130	13.235 E6	-0.8	90	0.00
17	m-Nitrotoluene	14.544	15.232 E6	-4.7	94	0.00

08/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8062.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8062.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:08:51 Operator: caobinz
Sample : icv368-10,B 10,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 16:51:20 2004
Response via : Single Level Calibration

8/22/04

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

Signal #2

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
3	HMX	18.441	0.000 E6	100.0#	0#	-6.90#
4	RDX	14.779	0.000 E6	100.0#	0#	-9.25#
5	1,3,5-Trinitrobenzene	45.415	0.000 E6	100.0#	0#	-11.63#
6	1,3-Dinitrobenzene	18.386	0.000 E6	100.0#	0#	-13.47#
7	Nitrobenzene	13.019	0.000 E6	100.0#	0#	-14.70#
8	2,4,6-Trinitrotoluene	22.045	0.000 E6	100.0#	0#	-15.58#
9	2,4-Dinitrotoluene	12.149	0.000 E6	100.0#	0#	-18.01#
0	PETN	4.722	0.000 E6	100.0#	0#	-19.05#
8	2,4-Diamino-6-Nitrotoluene	15.2[illegible]	0.000 E6	100.0#	0#	-5.87#

19	2,6-Diamino-4-Nitrotoluene	66.534	0.000 E6	100.0#	0# -6.27#

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

ST8055.D EX082004.M Sat Aug 21 17:31:22 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8062.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8062.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:08:51 Operator: caobinz
Sample : icv368-10,B 10,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:18 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.73	205231189	9.668 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	193.36%#
Target Compounds			
11) Tetryl	12.35	228196789	11.333 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.03	219230629	10.090 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.03	229875209	9.831 ppb m
14) 2,6-Dinitrotoluene	16.83	150482420	10.158 ppb m
15) o-Nitrotoluene	18.95	102791663	9.207 ppb m
16) p-Nitrotoluene	19.39	132350550	10.080 ppb m
17) m-Nitrotoluene	19.79	152315487	10.473 ppb m

8/24/04

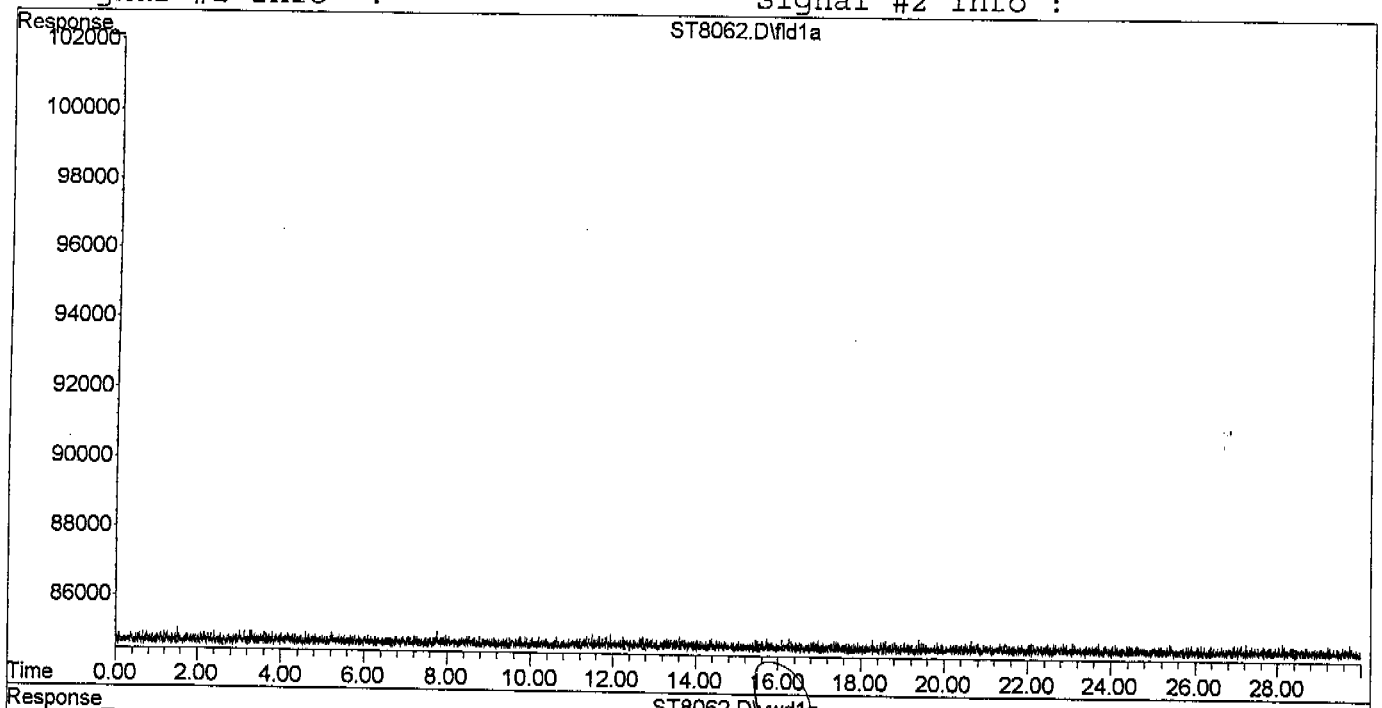
(f)=RT Delta > 1/2 Window (m)=manual int.

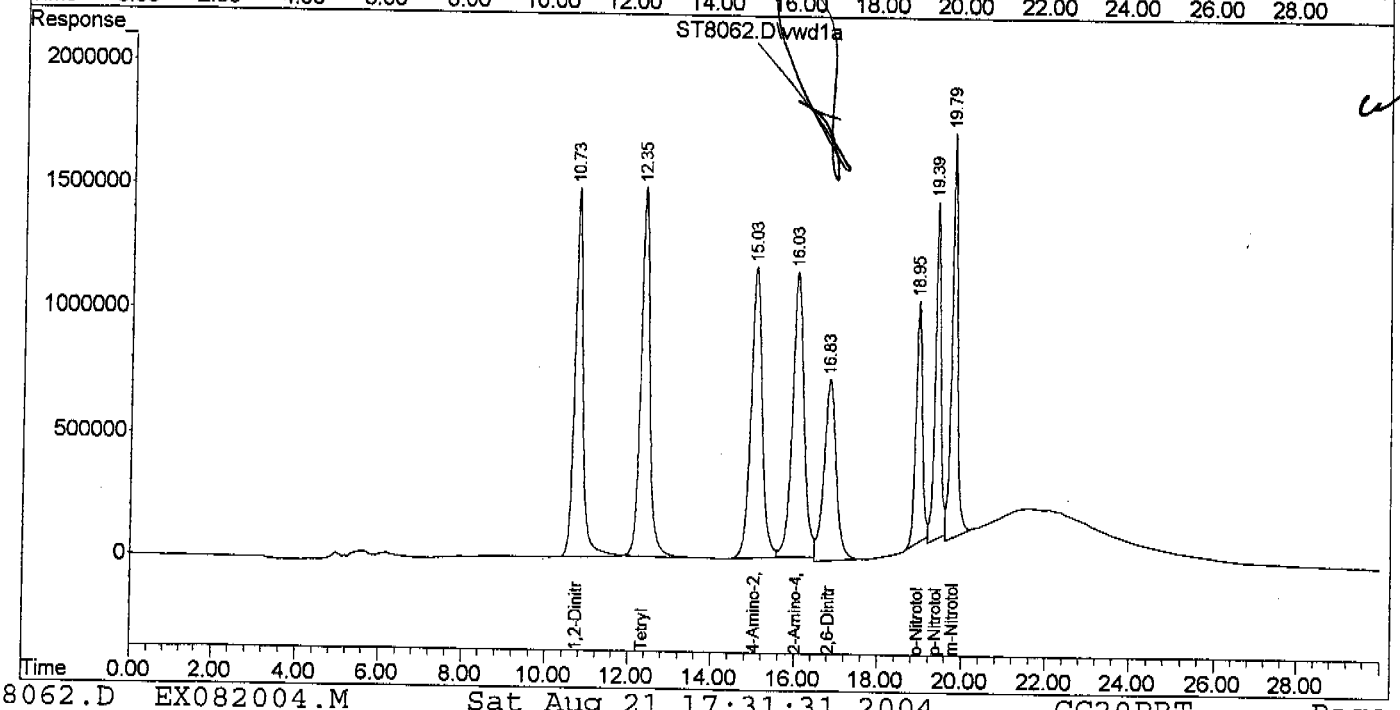
Quantitation Report (QT Reviewed)

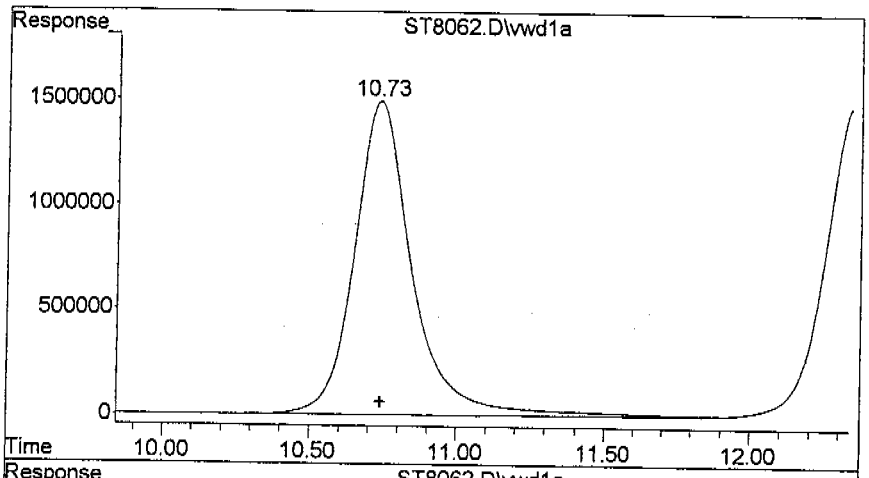
Signal #1 : D:\HPLC1\DATA\082004A\ST8062.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8062.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:08:51 Operator: caobinz
Sample : icv368-10,B 10,ICV Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:18 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

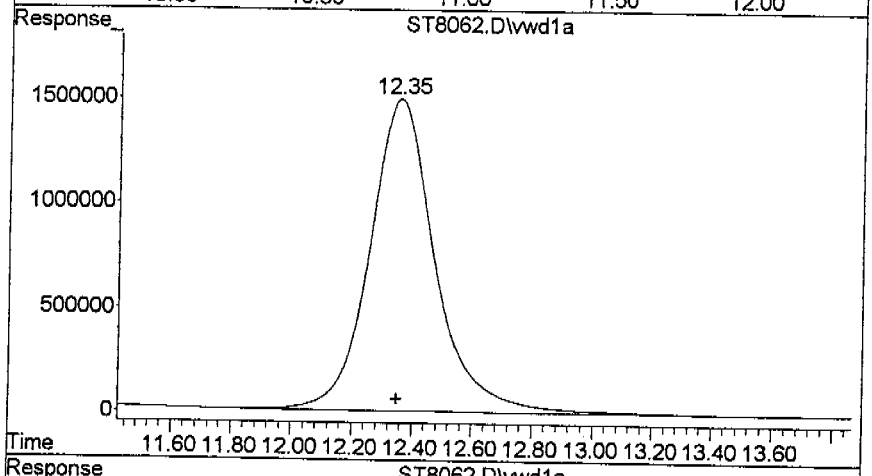






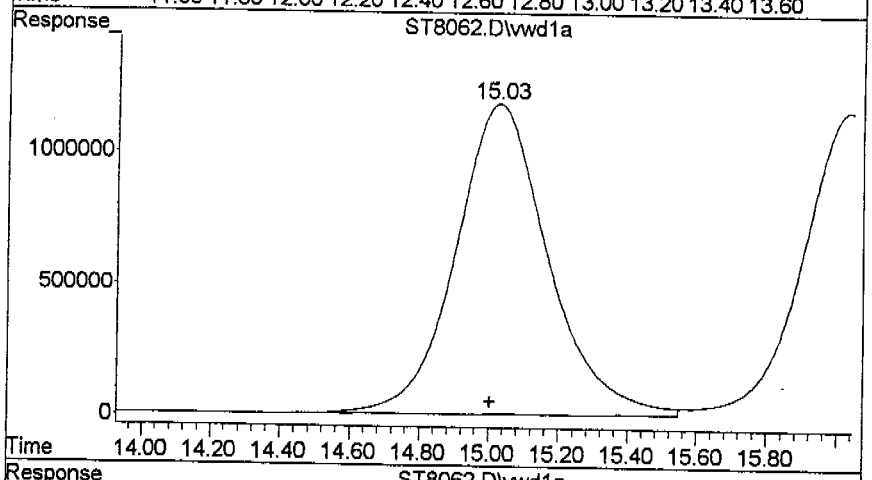
#2 1,2-Dinitrobenzene

R.T.: 10.732 min
Delta R.T.: -0.007 min
Response: 205231189
Conc: 9.67 ug/ml m



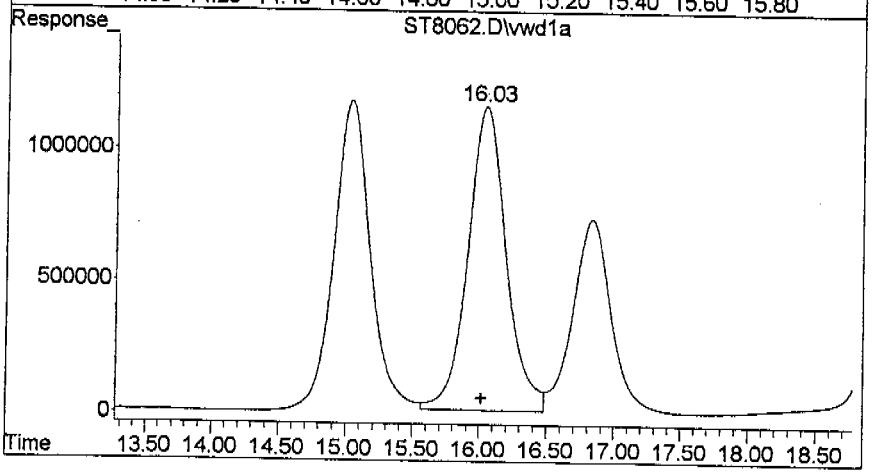
#11 Tetryl

R.T.: 12.354 min
Delta R.T.: 0.005 min
Response: 228196789
Conc: 11.33 ppb m



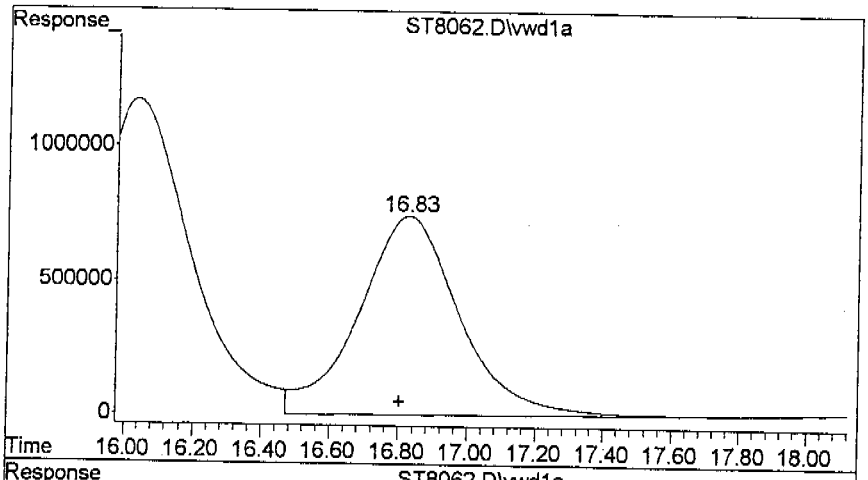
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.025 min
Delta R.T.: 0.021 min
Response: 219230629
Conc: 10.09 ppb m



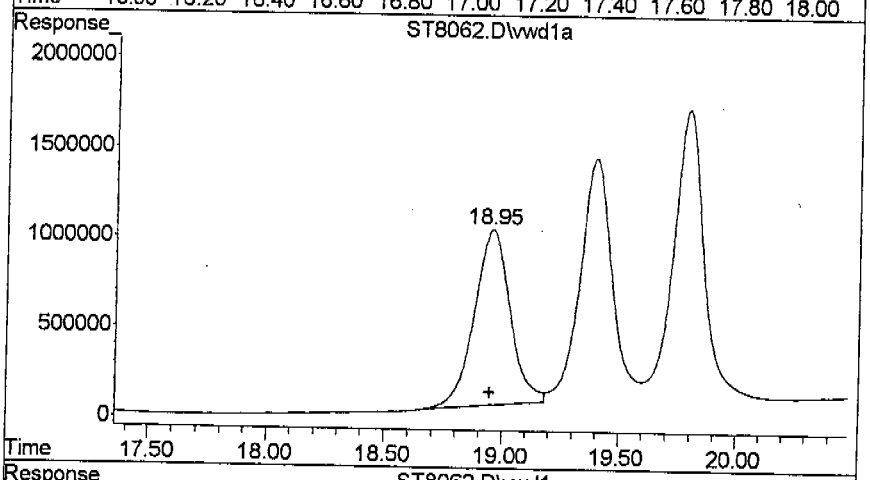
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.035 min
Delta R.T.: 0.019 min
Response: 229875209
Conc: 9.83 ppb m



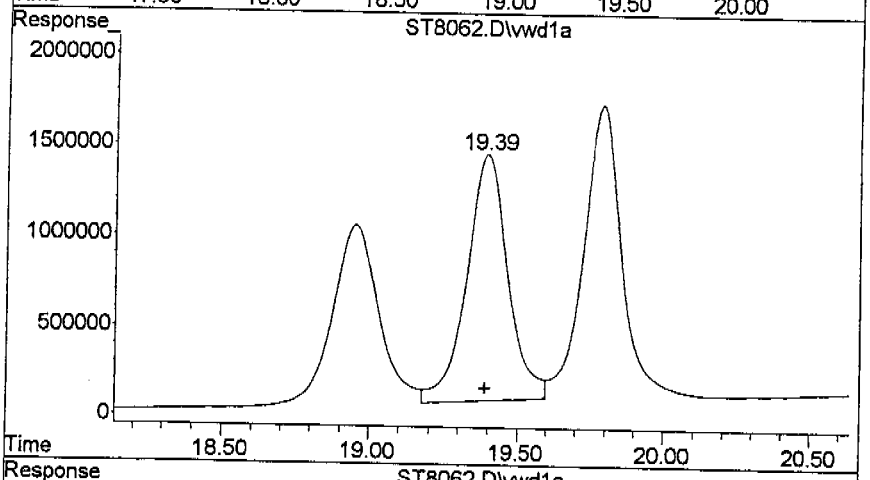
#14 2,6-Dinitrotoluene

R.T.: 16.825 min
Delta R.T.: 0.023 min
Response: 150482420
Conc: 10.16 ppb m



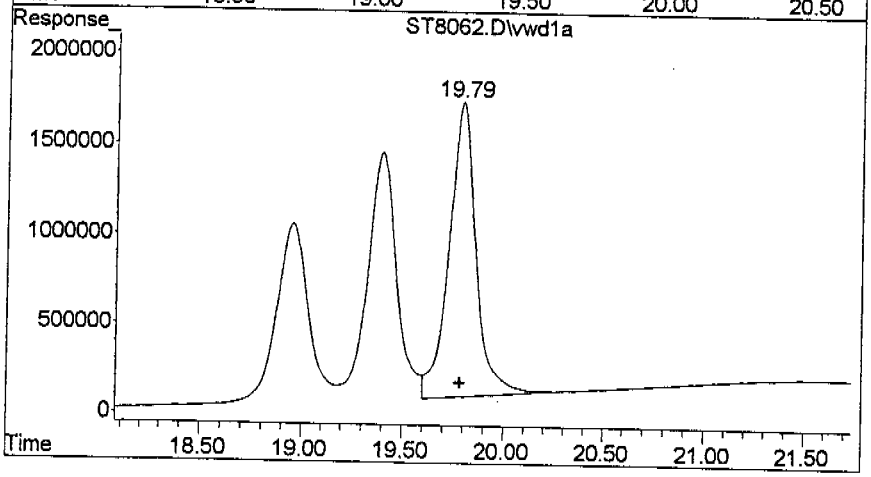
#15 o-Nitrotoluene

R.T.: 18.950 min
Delta R.T.: 0.007 min
Response: 102791663
Conc: 9.21 ppb m



#16 p-Nitrotoluene

R.T.: 19.393 min
Delta R.T.: 0.003 min
Response: 132350550
Conc: 10.08 ppb m



#17 m-Nitrotoluene

R.T.: 19.788 min
Delta R.T.: 0.005 min
Response: 152315487
Conc: 10.47 ppb m

Response Factor Report G1315A

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:57:33 2004

Calibration Files

10	=VU9777.D	5	=VU9778.D	2	=VU9779.D
1	=VU9780.D	0.25	=VU9781.D	0.05	=VU9782.D

Signal #2 Calibration Files

10	=VU9777.D	5	=VU9778.D	2	=VU9779.D
1	=VU9780.D	0.25	=VU9781.D	0.05	=VU9782.D

		Compound	10	5	2	1	0.25	0.05	Avg		%RSD
2)		RDX	3.050	3.061	3.064	3.033	3.891	3.391	3.248	E6	10.56
3)		Nitrobenzene	2.739	2.772	2.730	2.798	2.593	2.427	2.677	E6	5.28
4)		HMX	3.874	3.871	3.867	3.858	3.663	3.558	3.782	E6	3.62
5)	s	1,2-Dinitrobenzene	3.829	3.792	3.809	3.725	3.704	3.906	3.794	E6	1.94
6)		1,3-Dinitrobenzene	3.371	3.381	3.401	3.330	3.455	3.567	3.418	E6	2.45
7)		2-Amino-4,6-Dinitro	4.019	3.961	4.036	3.899	3.895	4.116	3.988	E6	2.16
8)		4-Amino-2,6-Dinitro	4.005	3.961	4.036	3.899	3.895	4.116	3.985	E6	2.14
9)		o-Nitrotoluene	2.748	2.733	2.768	2.668	2.714	2.894	2.754	E6	2.79
10)		p-Nitrotoluene	2.663	2.561	2.600	2.517	2.650	3.303	2.716	E6	10.78
11)		m-Nitrotoluene	3.591	3.528	3.597	3.483	3.536	3.600	3.556	E6	1.34
12)		2,6-Dinitrotoluene	3.207	3.168	3.177	3.115	3.096	3.185	3.158	E6	1.36
13)		2,4-Dinitrotoluene	2.908	2.920	2.940	2.901	2.847	2.707	2.871	E6	3.00
14)		1,3,5-Trinitrobenze	5.924	5.970	5.962	5.895	5.603	5.949	5.884	E6	2.39
15)		2,4,6-Trinitrotolue	4.268	4.286	4.265	4.182	4.159	4.126	4.214	E6	1.59
16)		Tetryl	4.119	4.131	4.162	4.060	4.136	3.315	3.987	E6	8.31
17)		PETN	1.352	1.362	1.393	1.343	1.448	0.847	1.291	E6	17.09

(#) = Out of Range

EX082004.M Sun Aug 22 09:58:47 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9771.D\dad1B.ch Vial: 1
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9771.D\dad1A.ch
Acq On : 20-Aug-2004, 18:59:45 Operator: caobinz
Sample : ic326-10,A 10 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:31 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:27:50 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.04	39315081	10.361 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	207.22%#
Target Compounds			
2) RDX	7.29	30497213	8.667 ug/mlm
3) Nitrobenzene	8.53	27391624	6.593 ug/mlm
4) HMX	8.72	38735252	9.066 ug/mlm
6) 1,3-Dinitrobenzene	10.76	33707110	12.716 ug/mlm
13) 2,4-Dinitrotoluene	14.77	29084926	8.602 ug/mlm
14) 1,3,5-Trinitrobenzene	16.92	59239881	19.378 ug/mlm
15) 2,4,6-Trinitrotoluene	20.41	42679958	15.114 ug/mlm
17) PETN	22.01	13524834	5.294 ug/mlm

8/22/04

08/22/04

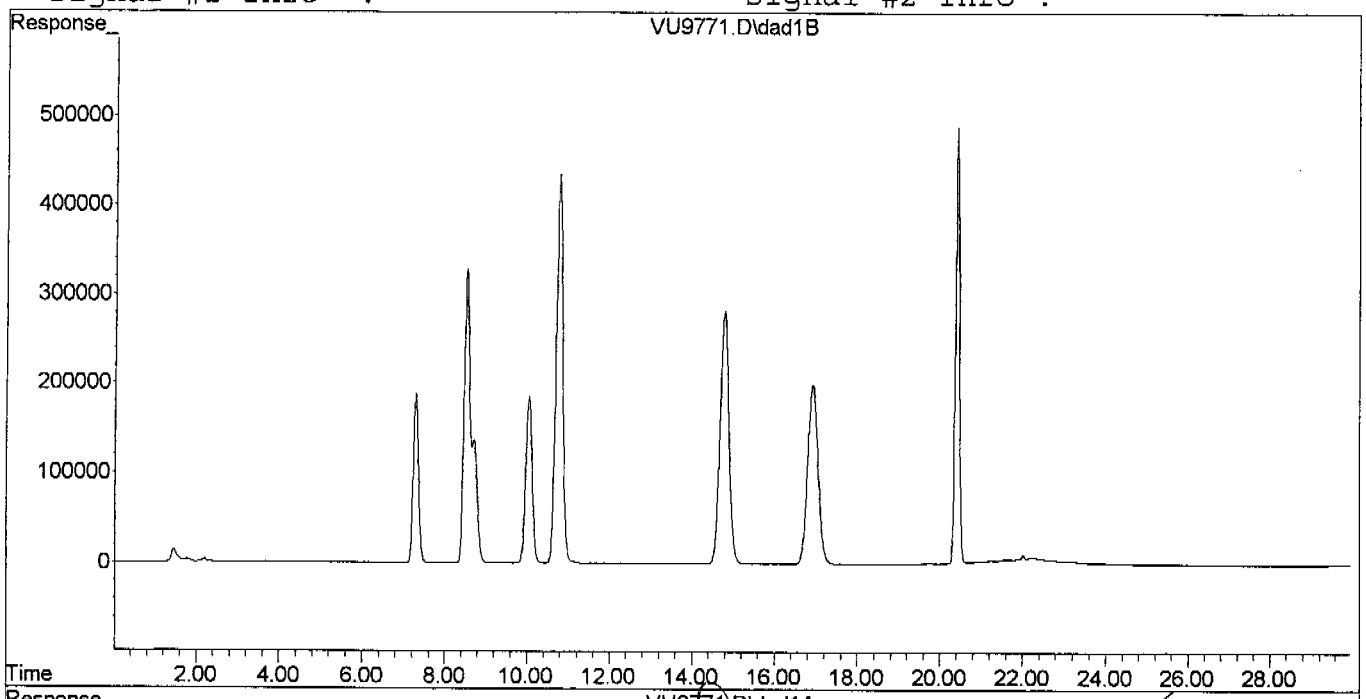
(f)=RT Delta > 1/2 Window (m)=manual int.

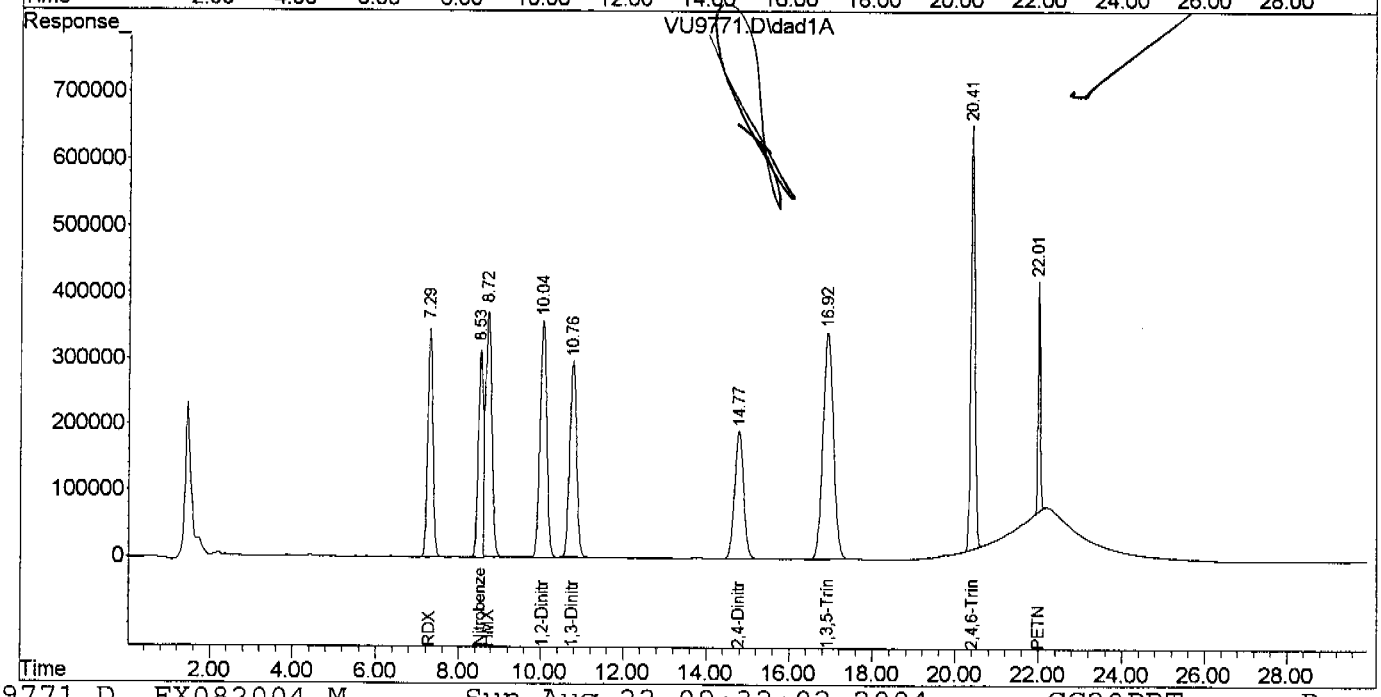
Quantitation Report (QT Reviewed)

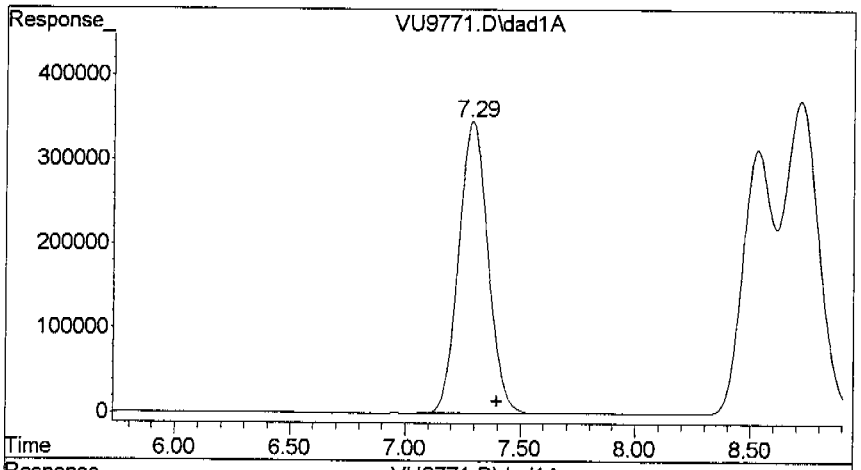
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9771.D\dad1B.ch Vial: 1
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9771.D\dad1A.ch
Acq On : 20-Aug-2004, 18:59:45 Operator: caobinz
Sample : ic326-10,A 10 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:31 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:27:50 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

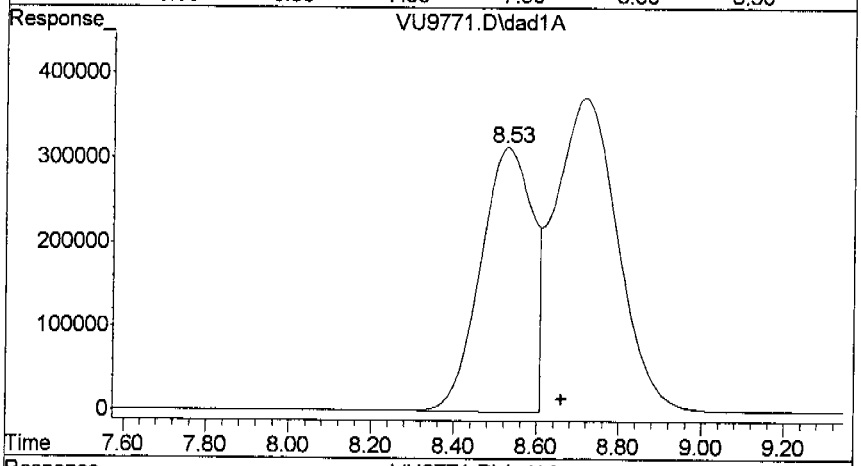






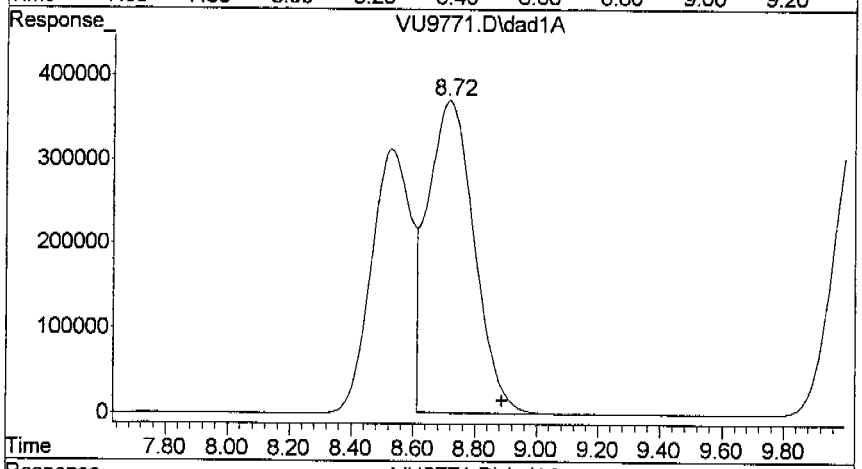
#2 RDX

R.T.: 7.288 min
Delta R.T.: -0.108 min
Response: 30497213
Conc: 8.67 ug/ml m



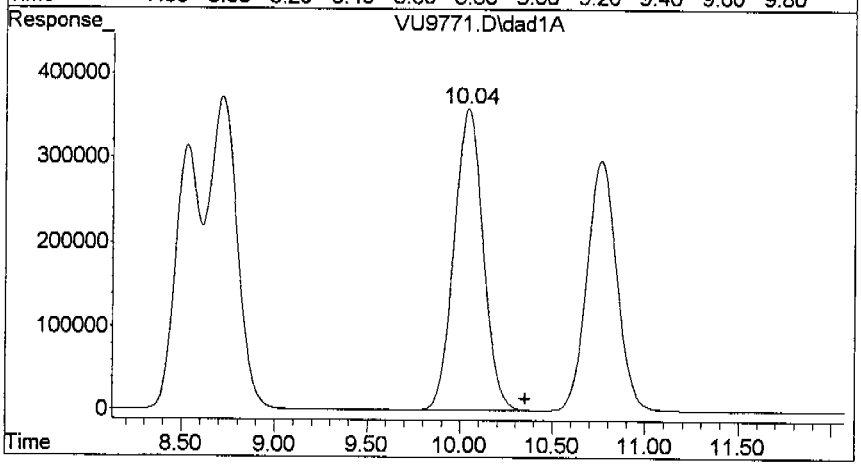
#3 Nitrobenzene

R.T.: 8.527 min
Delta R.T.: -0.133 min
Response: 27391624
Conc: 6.59 ug/ml m



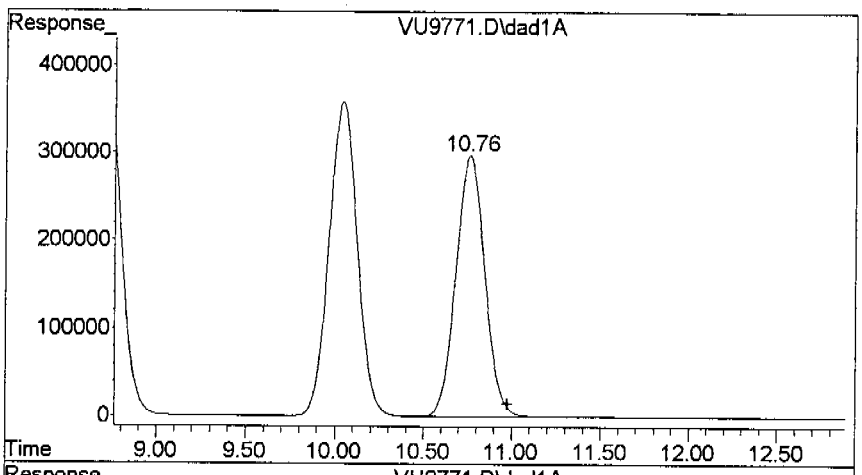
#4 HMX

R.T.: 8.715 min
Delta R.T.: -0.173 min
Response: 38735252
Conc: 9.07 ug/ml m



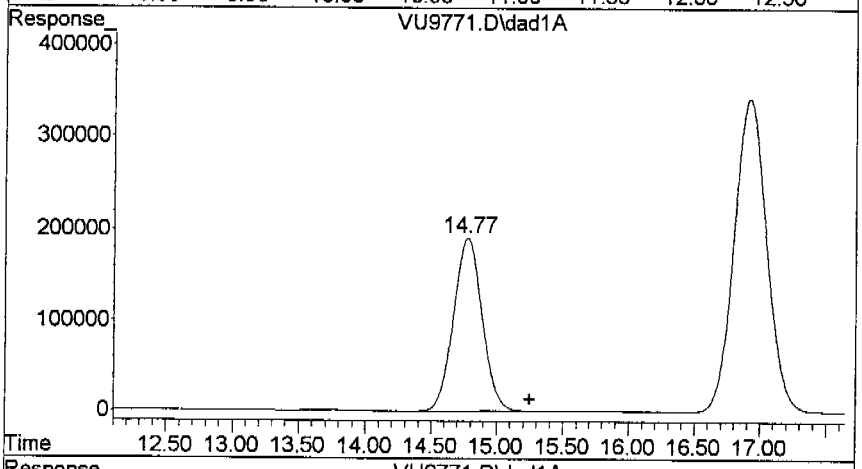
#5 1,2-Dinitrobenzene

R.T.: 10.038 min
Delta R.T.: -0.312 min
Response: 39315081
Conc: 10.36 ug/ml m



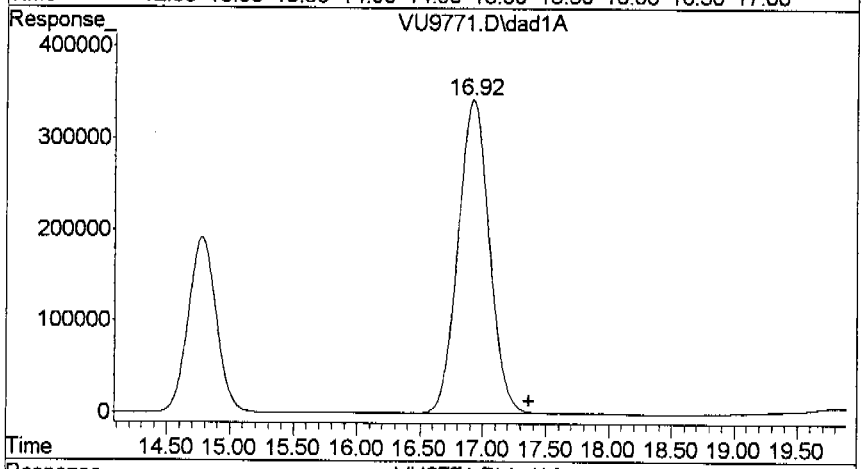
#6 1,3-Dinitrobenzene

R.T.: 10.759 min
Delta R.T.: -0.213 min
Response: 33707110
Conc: 12.72 ug/ml m



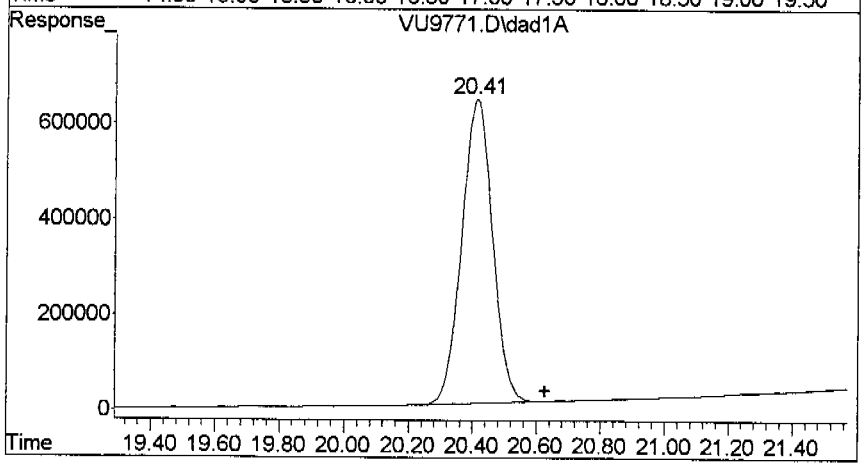
#13 2,4-Dinitrotoluene

R.T.: 14.772 min
Delta R.T.: -0.476 min
Response: 29084926
Conc: 8.60 ug/ml m



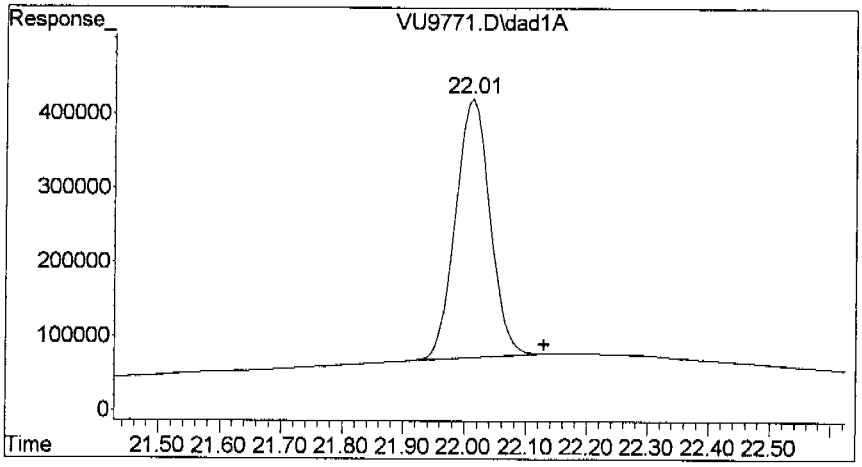
#14 1,3,5-Trinitrobenzene

R.T.: 16.917 min
Delta R.T.: -0.448 min
Response: 59239881
Conc: 19.38 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.412 min
Delta R.T.: -0.215 min
Response: 42679958
Conc: 15.11 ug/ml m



#17 PETN

R.T.: 22.011 min
Delta R.T.: -0.119 min
Response: 13524834
Conc: 5.29 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9772.D\dad1B.ch Vial: 2
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9772.D\dad1A.ch
Acq On : 20-Aug-2004, 19:31:42 Operator: caobinz
Sample : icc326-5,A 5 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:36 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:34:02 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.05	19579427	5.140 ug/ml
Spiked Amount 5.000 Range 24 - 143		Recovery =	102.80%
Target Compounds			
2) RDX	7.30	15307019	4.473 ug/mlm
3) Nitrobenzene	8.54	13861813	3.544 ug/ml
4) HMX	8.73	19354041	4.646 ug/mlm
6) 1,3-Dinitrobenzene	10.78	16905560	6.171 ug/mlm
13) 2,4-Dinitrotoluene	14.81	14601446	4.413 ug/mlm
14) 1,3,5-Trinitrobenzene	16.97	29852178	8.600 ug/mlm
15) 2,4,6-Trinitrotoluene	20.43	21428416	7.192 ug/mlm
17) PETN	22.00	6807738	2.918 ug/mlm

8/22/04

08/22/04

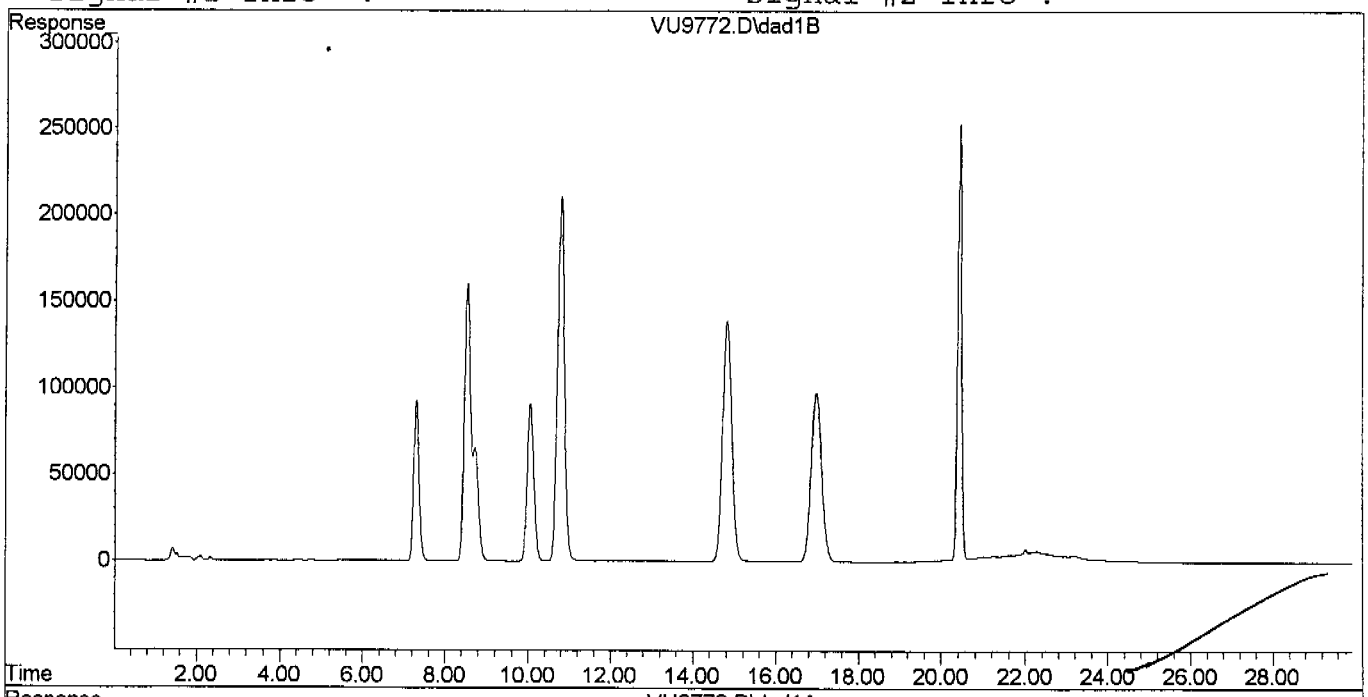
(f)=RT Delta > 1/2 Window (m)=manual int.

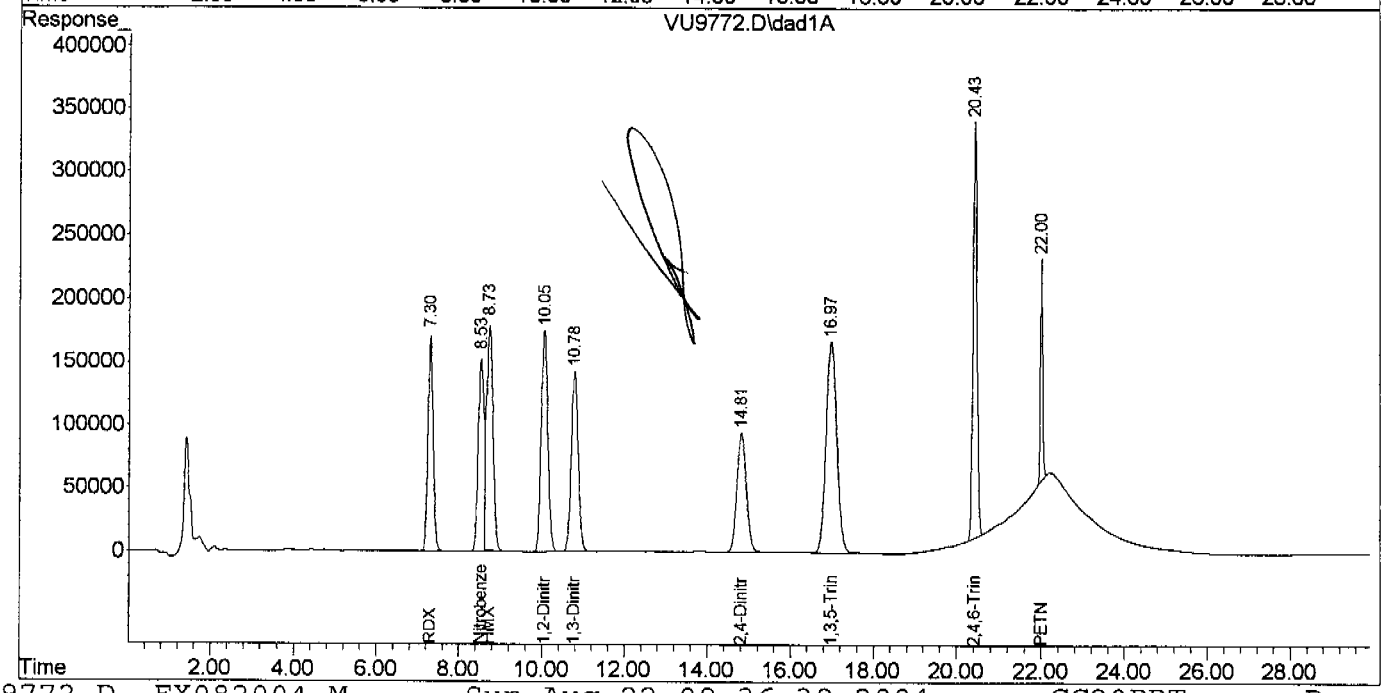
Quantitation Report (QT Reviewed)

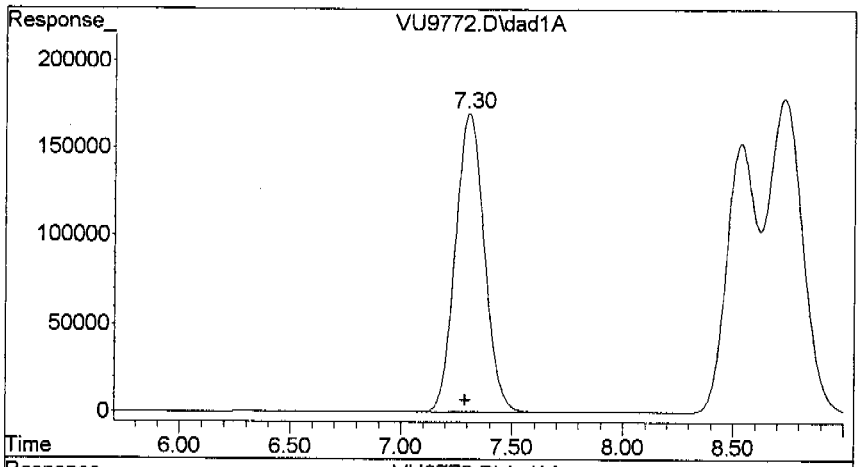
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9772.D\dad1B.ch Vial: 2
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9772.D\dad1A.ch
Acq On : 20-Aug-2004, 19:31:42 Operator: caobinz
Sample : icc326-5,A 5 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:36 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:34:02 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

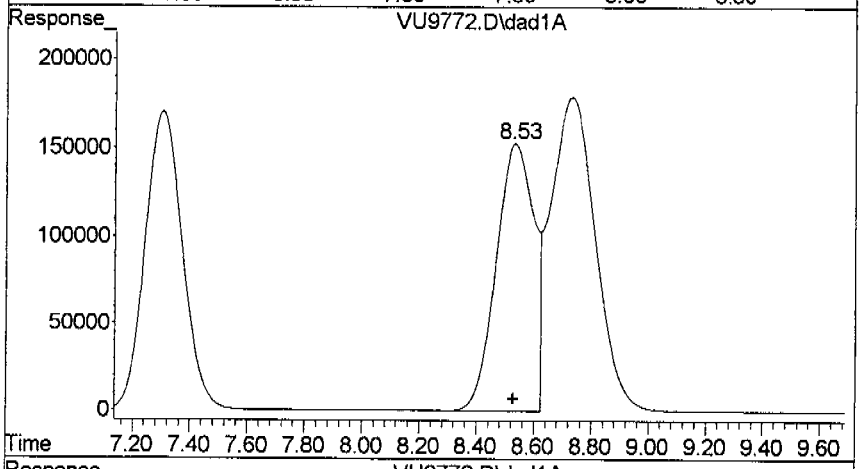






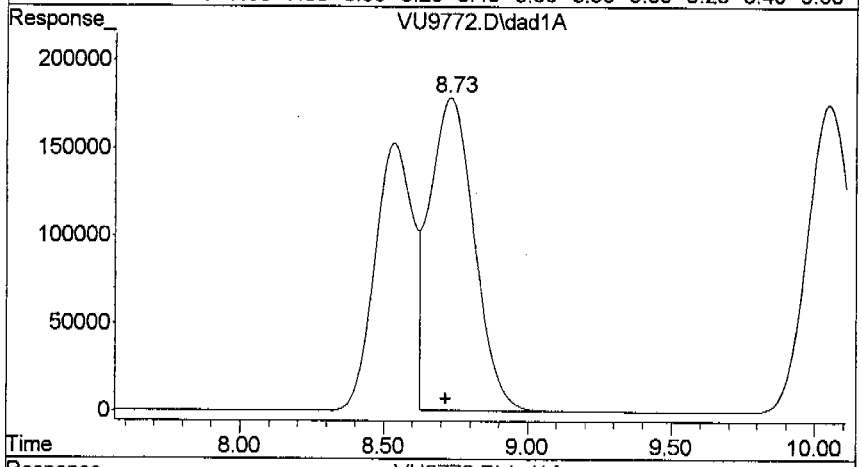
#2 RDX

R.T.: 7.302 min
Delta R.T.: 0.014 min
Response: 15307019
Conc: 4.47 ug/ml m



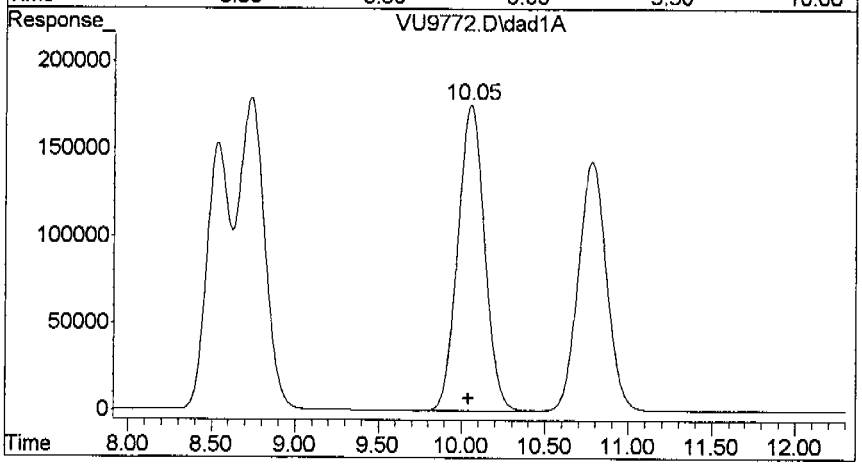
#3 Nitrobenzene

R.T.: 8.537 min
Delta R.T.: 0.009 min
Response: 13861813
Conc: 3.54 ug/ml



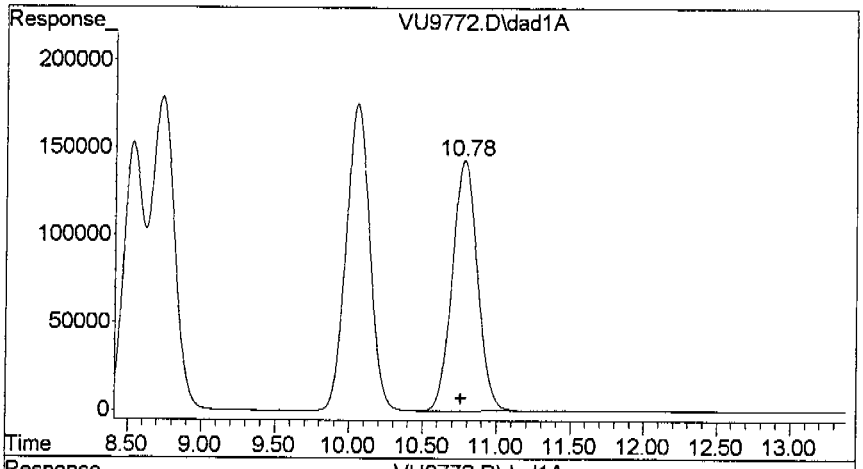
#4 HMX

R.T.: 8.730 min
Delta R.T.: 0.014 min
Response: 19354041
Conc: 4.65 ug/ml m



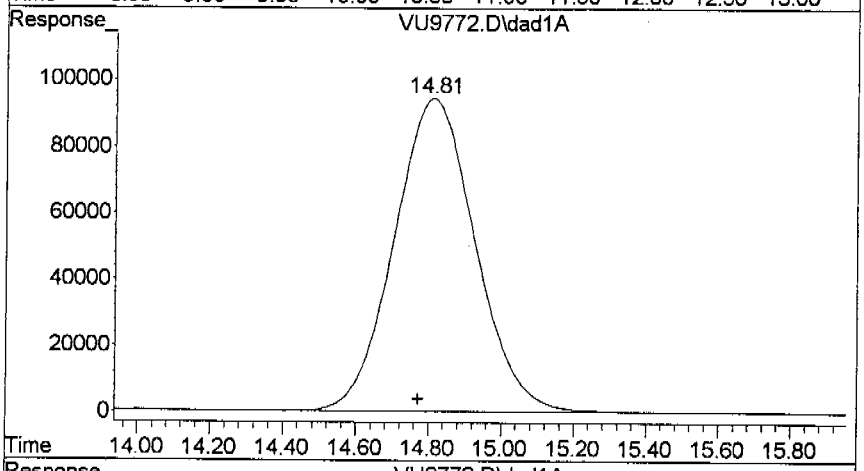
#5 1,2-Dinitrobenzene

R.T.: 10.053 min
Delta R.T.: 0.014 min
Response: 19579427
Conc: 5.14 ug/ml



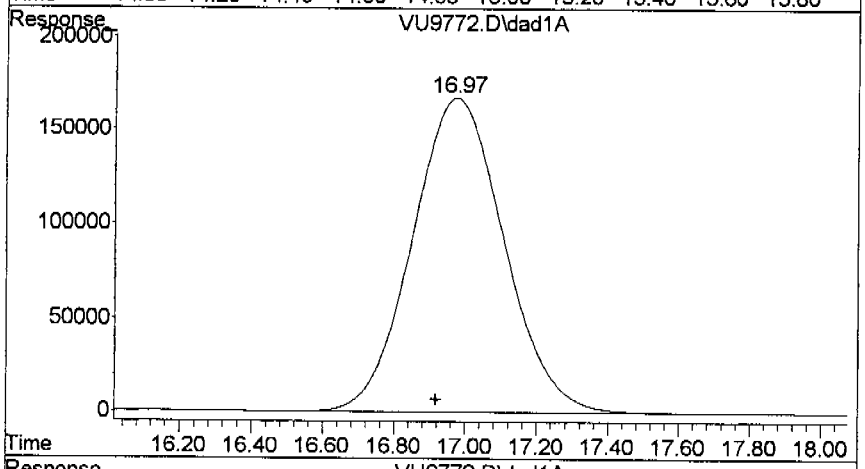
#6 1,3-Dinitrobenzene

R.T.: 10.777 min
Delta R.T.: 0.018 min
Response: 16905560
Conc: 6.17 ug/ml m



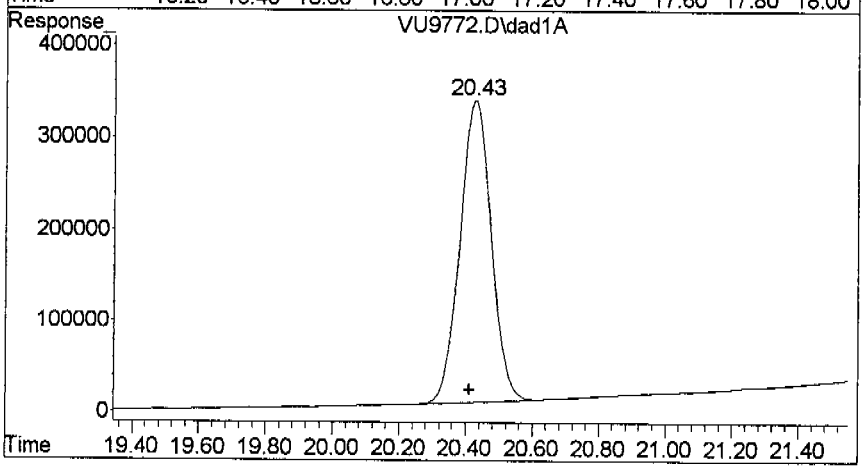
#13 2,4-Dinitrotoluene

R.T.: 14.810 min
Delta R.T.: 0.038 min
Response: 14601446
Conc: 4.41 ug/ml m



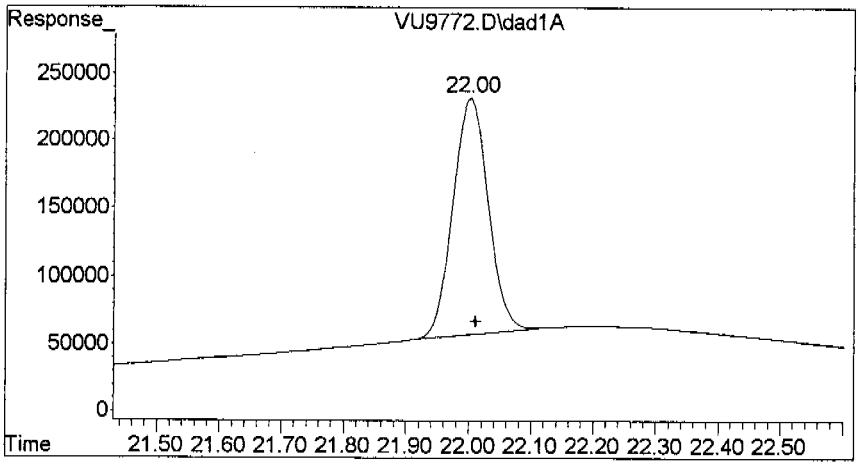
#14 1,3,5-Trinitrobenzene

R.T.: 16.973 min
Delta R.T.: 0.056 min
Response: 29852178
Conc: 8.60 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.426 min
Delta R.T.: 0.014 min
Response: 21428416
Conc: 7.19 ug/ml m



#17 PETN

R.T.: 22.001 min
Delta R.T.: -0.009 min
Response: 6807738
Conc: 2.92 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9773.D\dad1B.ch Vial: 3
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9773.D\dad1A.ch
Acq On : 20-Aug-2004, 20:03:38 Operator: caobinz
Sample : ic326-2,A 2 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:38 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:36:32 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.08	7899710	2.066 ug/ml
Spiked Amount 5.000 Range 24 - 143		Recovery =	41.32%
Target Compounds			
2) RDX	7.32	6128433	1.838 ug/mlm
3) Nitrobenzene	8.56	5460753	1.479 ug/mlm
4) HMX	8.77	7734458	1.907 ug/mlm
6) 1,3-Dinitrobenzene	10.79	6802560	2.397 ug/ml
13) 2,4-Dinitrotoluene	14.81	5879302	1.812 ug/mlm
14) 1,3,5-Trinitrobenzene	16.97	11924877	3.054 ug/mlm
15) 2,4,6-Trinitrotoluene	20.42	8530769	2.688 ug/mlm
17) PETN	22.01	2785562	1.336 ug/mlm

08/22/04

8/20/04

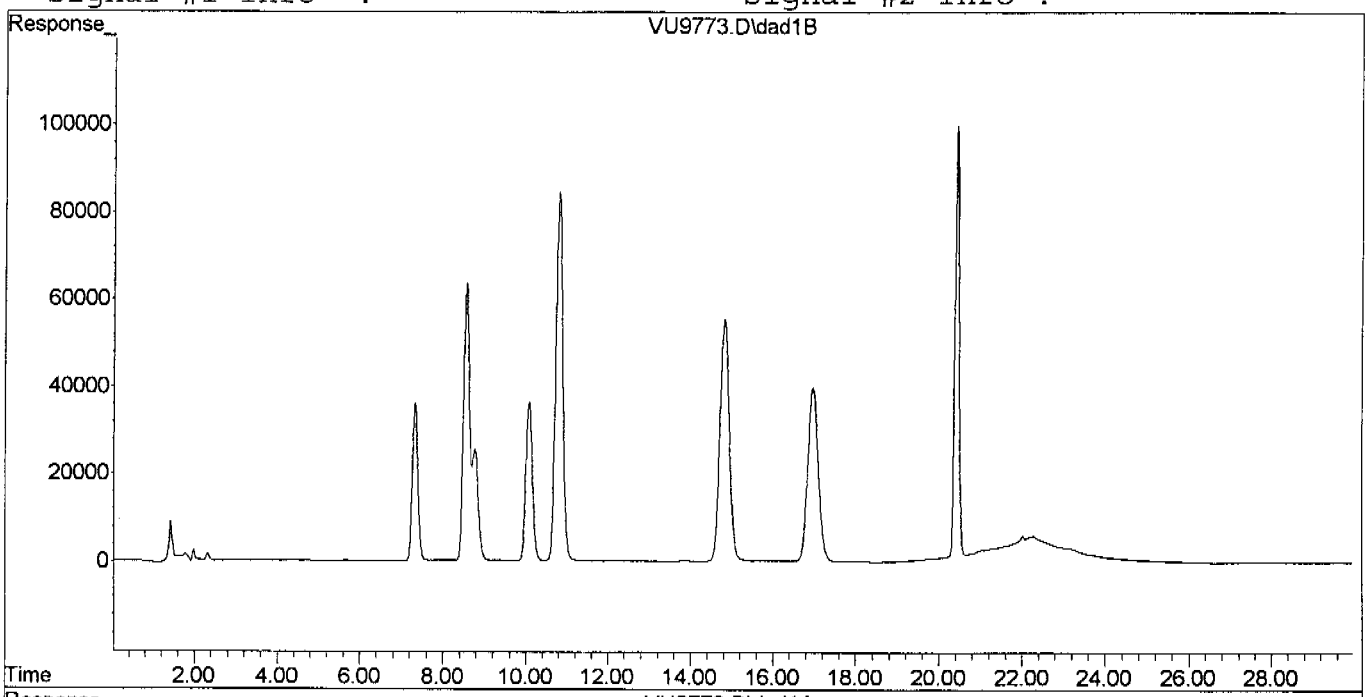
(f)=RT Delta > 1/2 Window (m)=manual int.

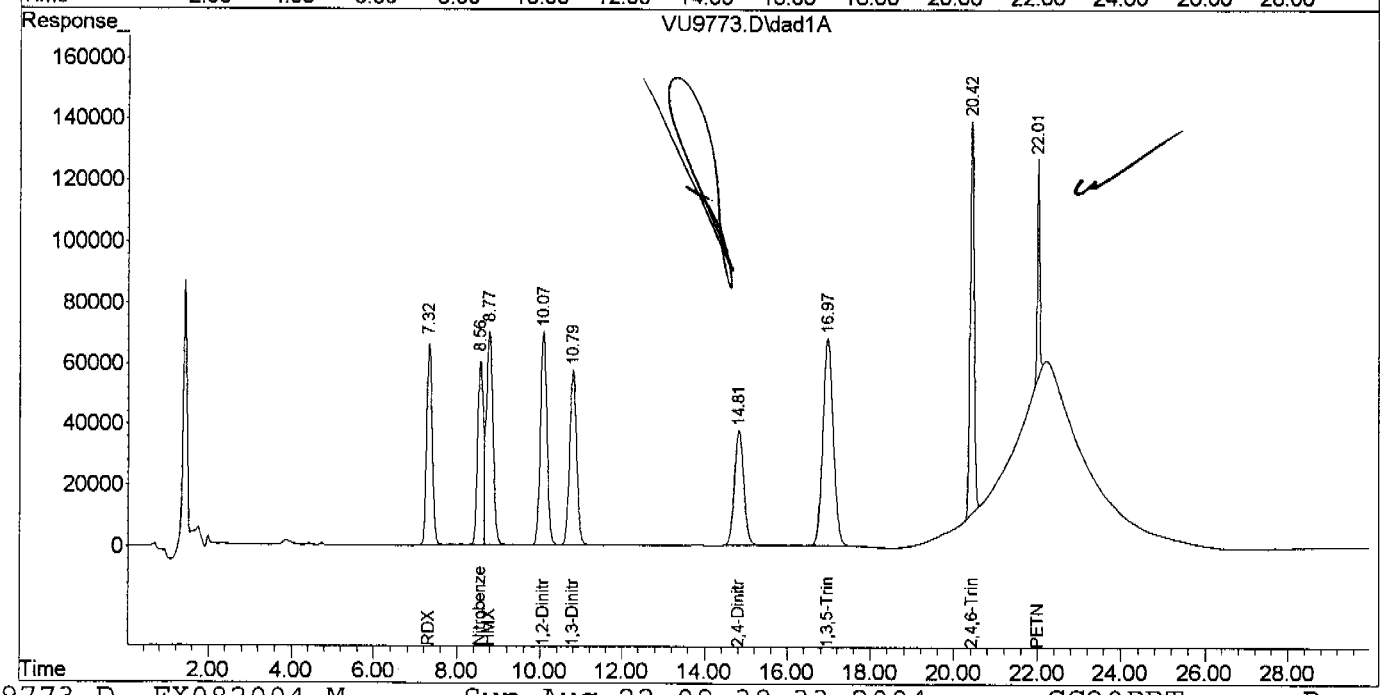
Quantitation Report (QT Reviewed)

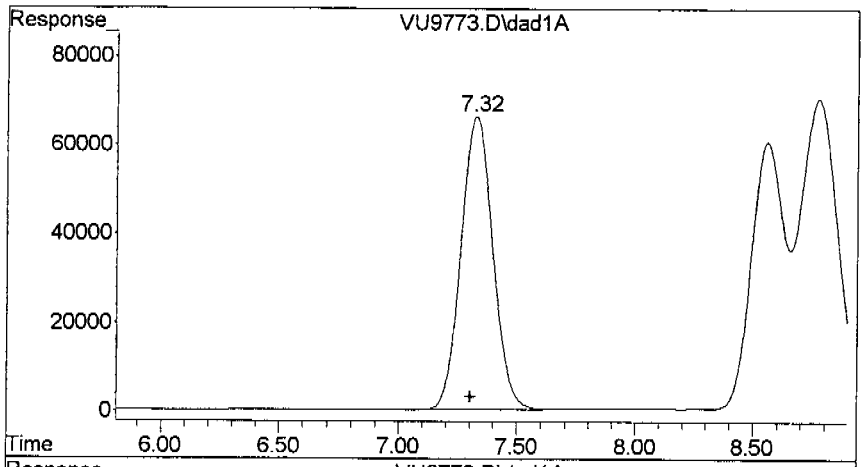
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9773.D\dad1B.ch Vial: 3
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9773.D\dad1A.ch
Acq On : 20-Aug-2004, 20:03:38 Operator: caobinz
Sample : ic326-2,A 2 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:38 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:36:32 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

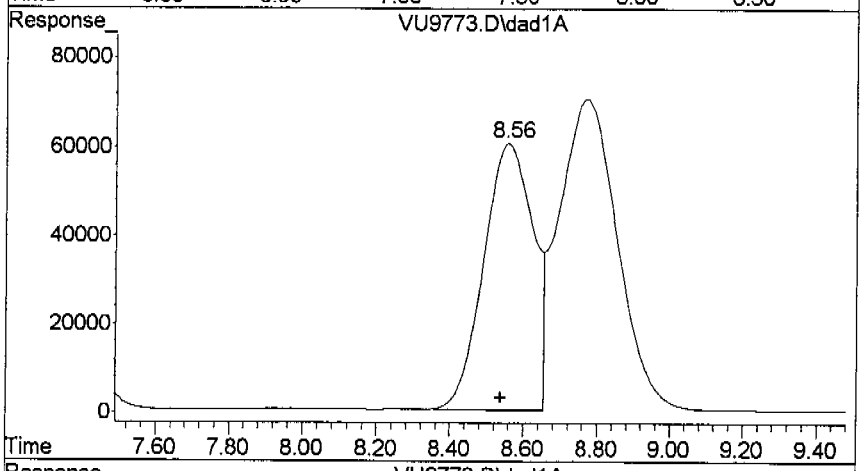






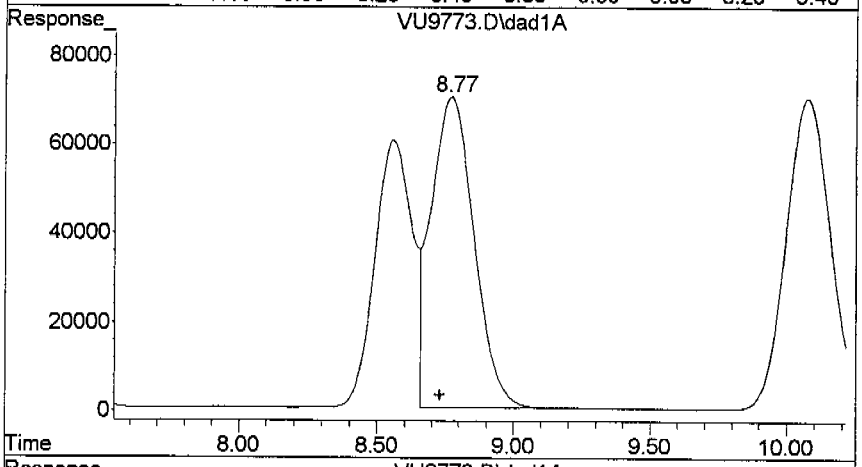
#2 RDX

R.T.: 7.324 min
Delta R.T.: 0.021 min
Response: 6128433
Conc: 1.84 ug/ml m



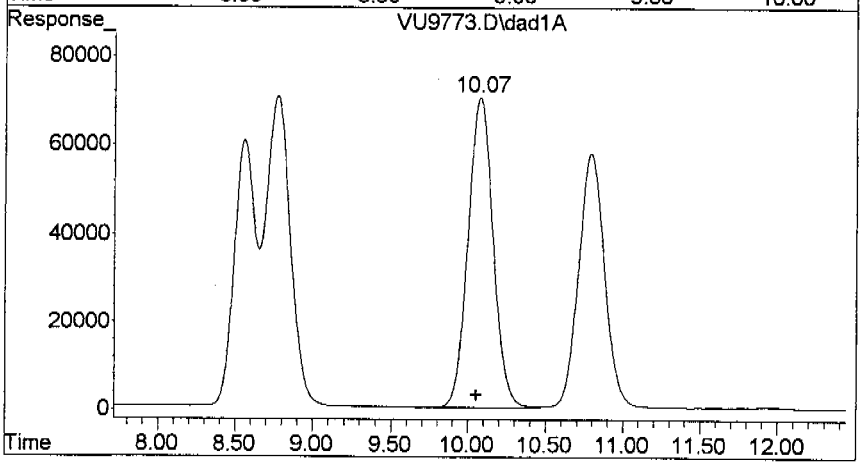
#3 Nitrobenzene

R.T.: 8.557 min
Delta R.T.: 0.020 min
Response: 5460753
Conc: 1.48 ug/ml m



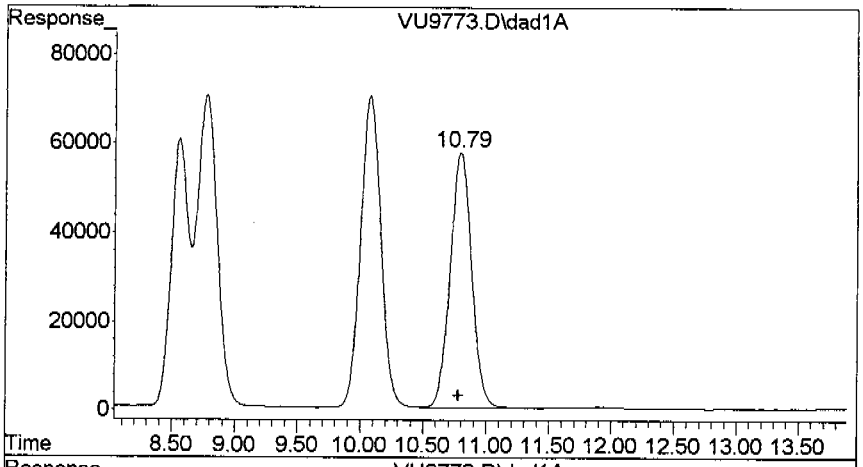
#4 HMX

R.T.: 8.770 min
Delta R.T.: 0.040 min
Response: 7734458
Conc: 1.91 ug/ml m



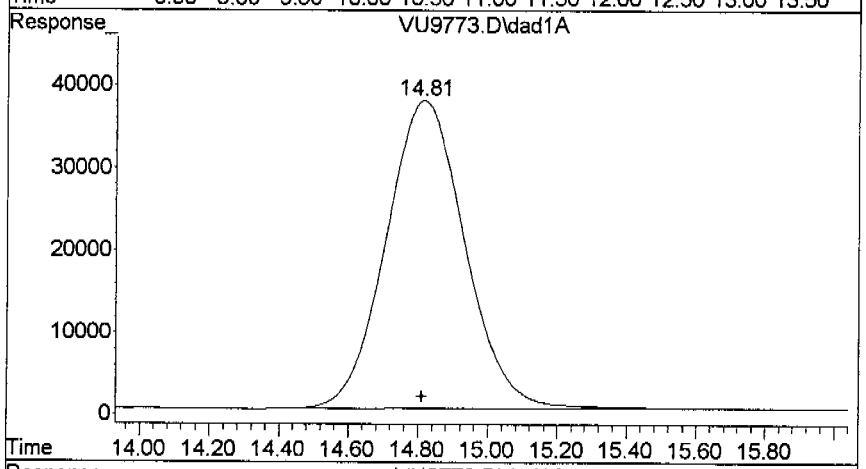
#5 1,2-Dinitrobenzene

R.T.: 10.076 min
Delta R.T.: 0.024 min
Response: 7899710
Conc: 2.07 ug/ml



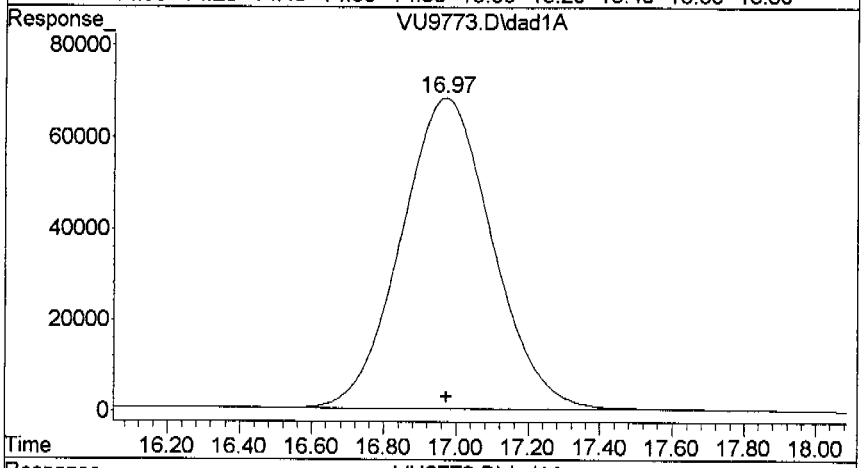
#6 1,3-Dinitrobenzene

R.T.: 10.792 min
Delta R.T.: 0.015 min
Response: 6802560
Conc: 2.40 ug/ml



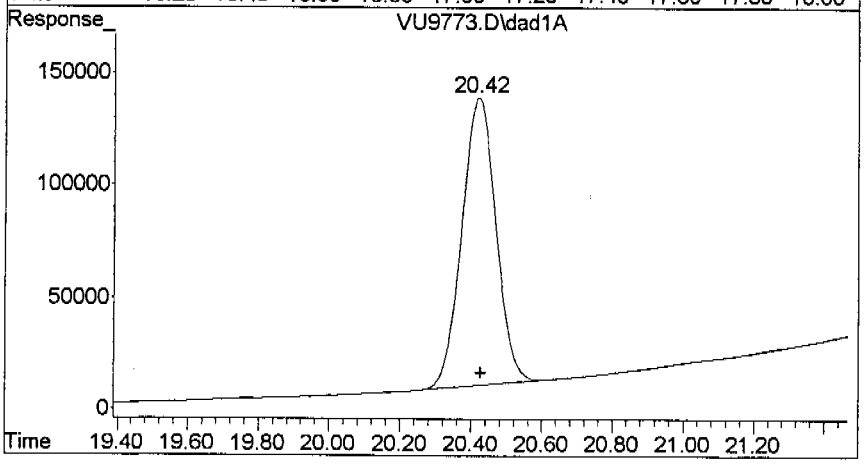
#13 2,4-Dinitrotoluene

R.T.: 14.814 min
Delta R.T.: 0.004 min
Response: 5879302
Conc: 1.81 ug/ml m



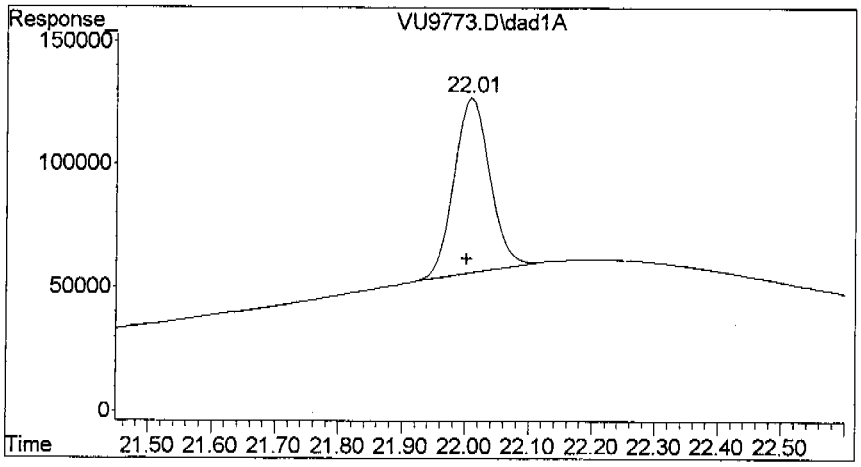
#14 1,3,5-Trinitrobenzene

R.T.: 16.967 min
Delta R.T.: -0.006 min
Response: 11924877
Conc: 3.05 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.419 min
Delta R.T.: -0.007 min
Response: 8530769
Conc: 2.69 ug/ml m



#17 PETN

R.T.: 22.008 min
Delta R.T.: 0.007 min
Response: 2785562
Conc: 1.34 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9774.D\dad1B.ch Vial: 4
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9774.D\dad1A.ch
Acq On : 20-Aug-2004, 20:35:34 Operator: caobinz
Sample : ic326-1,A 1 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:40 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:38:25 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.05	3890221	1.010 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	20.20%#
Target Compounds			
2) RDX	7.30	3033441	0.933 ug/mlm
3) Nitrobenzene	8.54	2797724	0.807 ug/mlm
4) HMX	8.74	3857809	0.973 ug/mlm
6) 1,3-Dinitrobenzene	10.77	3330147	1.129 ug/mlm
13) 2,4-Dinitrotoluene	14.78	2901133	0.908 ug/mlm
14) 1,3,5-Trinitrobenzene	16.95	5895324	1.359 ug/mlm
15) 2,4,6-Trinitrotoluene	20.41	4182313	1.239 ug/mlm
17) PETN	22.00	1343221	0.713 ug/mlm

08/22/04

8/22/04

S

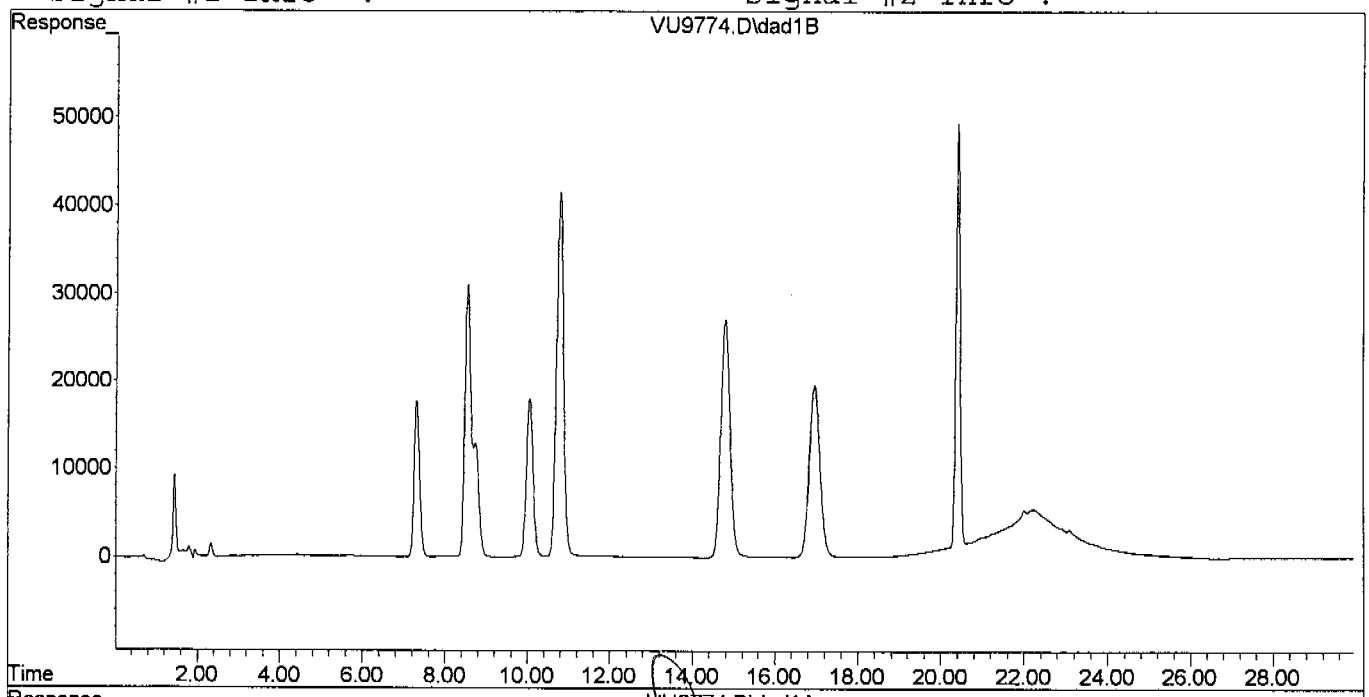
(f)=RT Delta > 1/2 Window (m)=manual int.

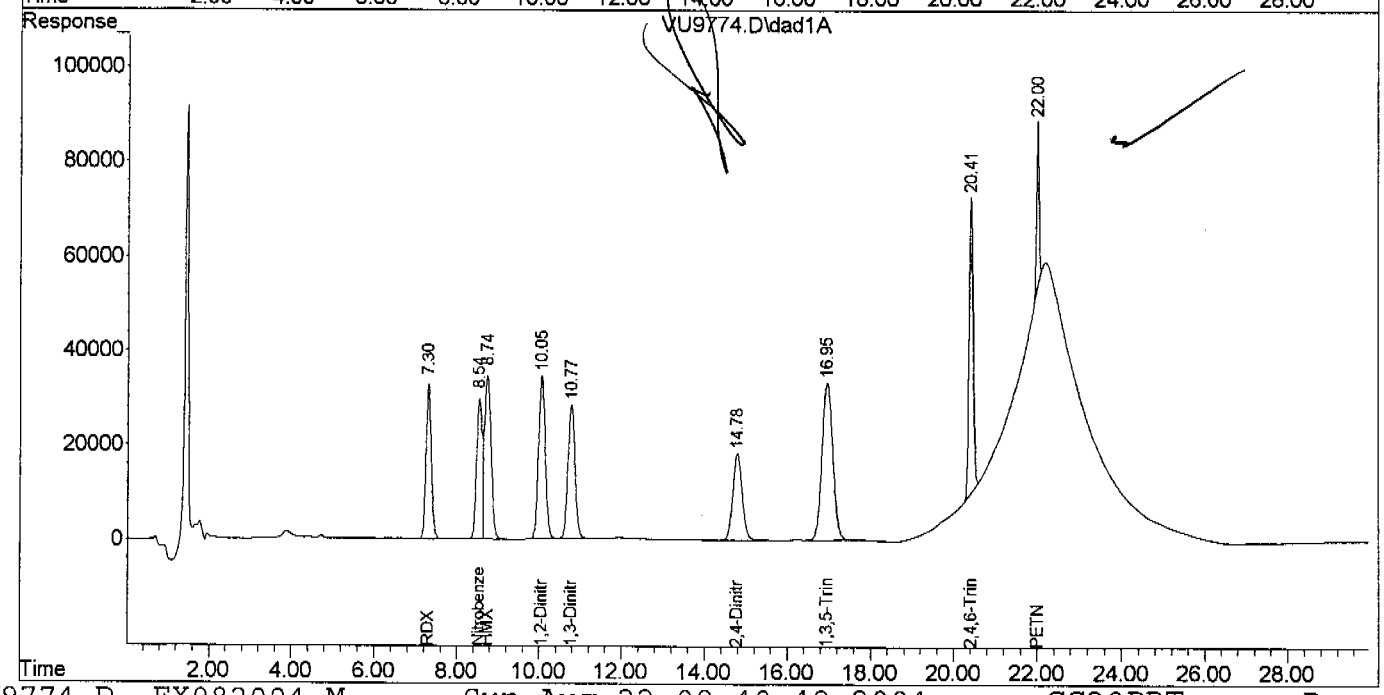
Quantitation Report (QT Reviewed)

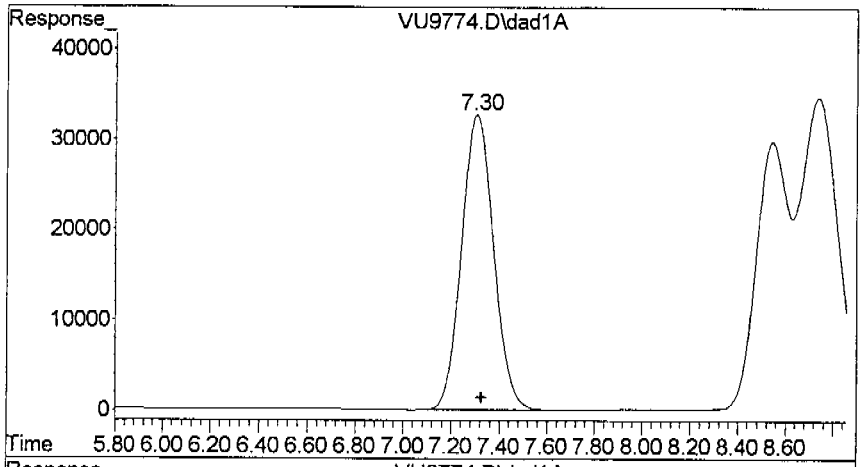
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9774.D\dad1B.ch Vial: 4
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9774.D\dad1A.ch
Acq On : 20-Aug-2004, 20:35:34 Operator: caobinz
Sample : ic326-1,A 1 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:40 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:38:25 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

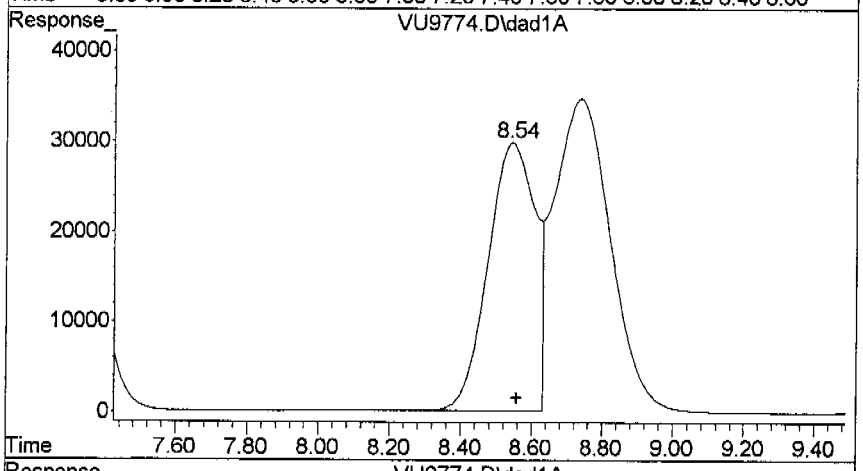






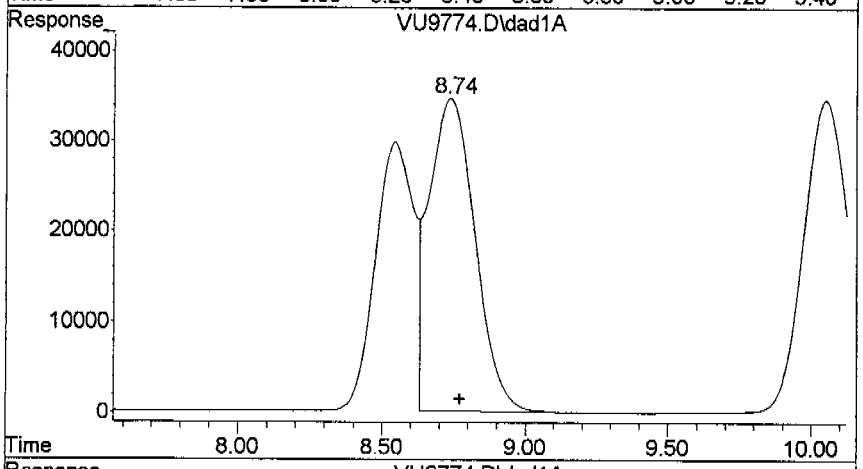
#2 RDX

R.T.: 7.304 min
Delta R.T.: -0.020 min
Response: 3033441
Conc: 0.93 ug/ml m



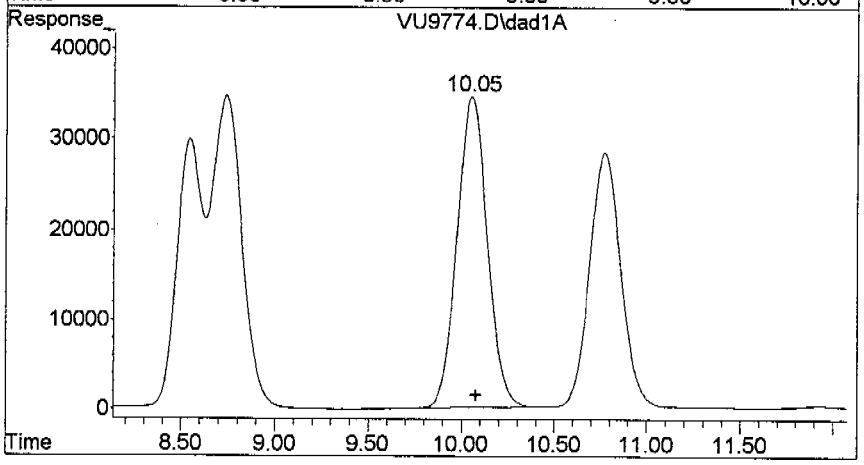
#3 Nitrobenzene

R.T.: 8.542 min
Delta R.T.: -0.014 min
Response: 2797724
Conc: 0.81 ug/ml m



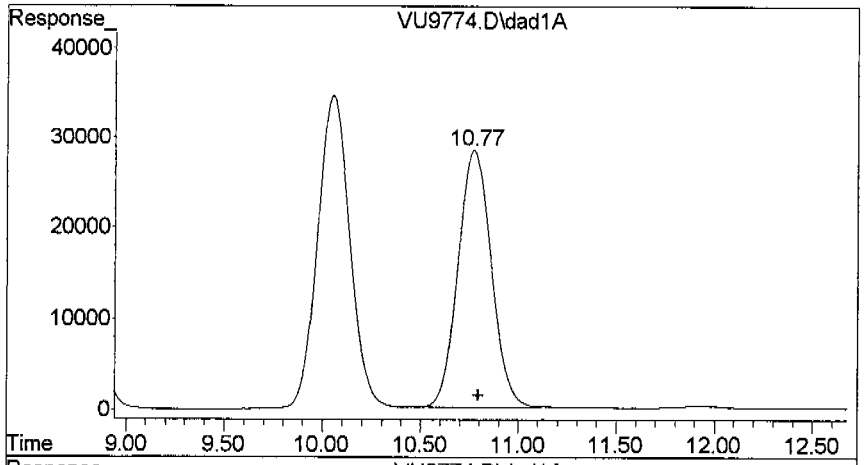
#4 HMX

R.T.: 8.736 min
Delta R.T.: -0.034 min
Response: 3857809
Conc: 0.97 ug/ml m



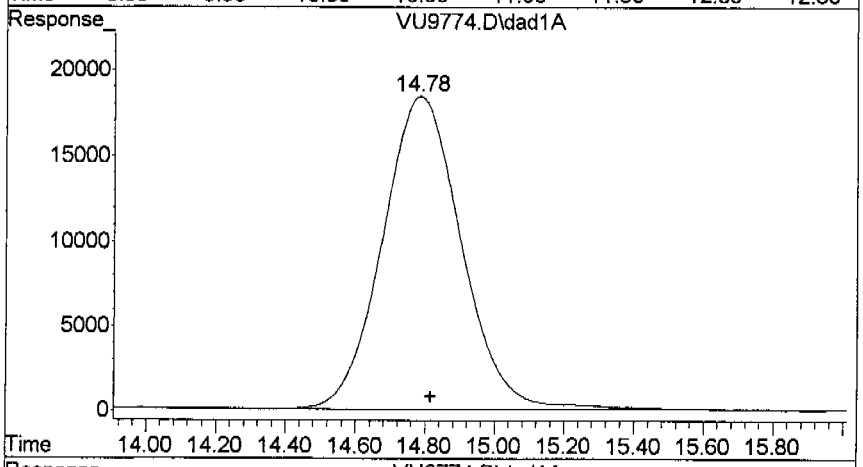
#5 1,2-Dinitrobenzene

R.T.: 10.050 min
Delta R.T.: -0.027 min
Response: 3890221
Conc: 1.01 ug/ml m



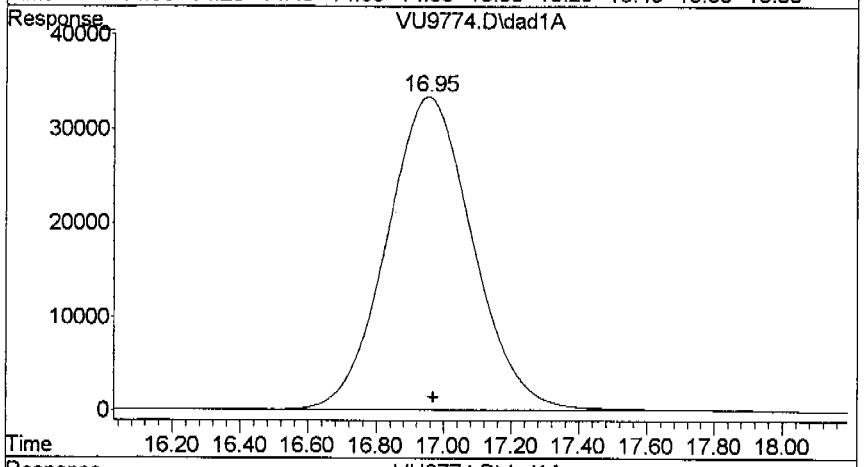
#6 1,3-Dinitrobenzene

R.T.: 10.770 min
Delta R.T.: -0.023 min
Response: 3330147
Conc: 1.13 ug/ml m



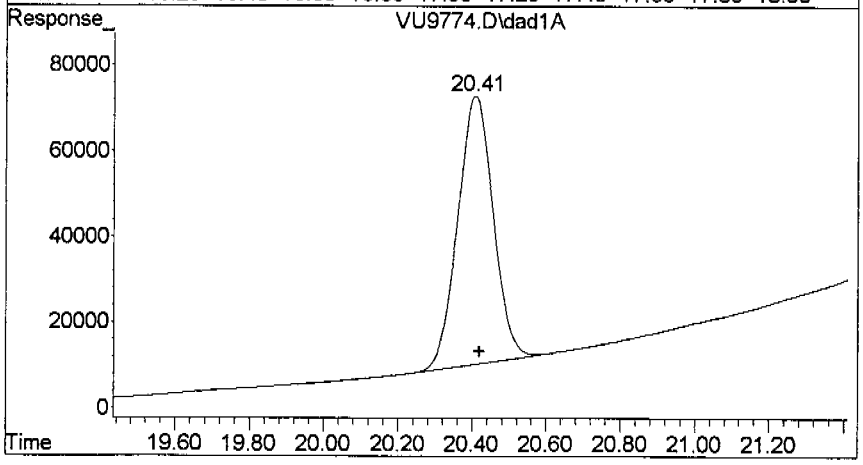
#13 2,4-Dinitrotoluene

R.T.: 14.783 min
Delta R.T.: -0.031 min
Response: 2901133
Conc: 0.91 ug/ml m



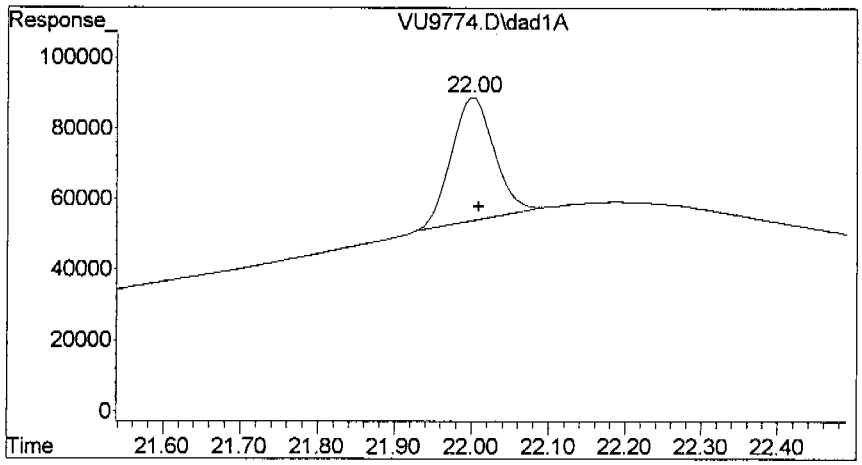
#14 1,3,5-Trinitrobenzene

R.T.: 16.954 min
Delta R.T.: -0.014 min
Response: 5895324
Conc: 1.36 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.406 min
Delta R.T.: -0.012 min
Response: 4182313
Conc: 1.24 ug/ml m



#17 PETN

R.T.: 22.000 min
Delta R.T.: -0.008 min
Response: 1343221
Conc: 0.71 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9775.D\dad1B.ch Vial: 5
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9775.D\dad1A.ch
Acq On : 21-Aug-2004, 10:42:50 Operator: caobinz
Sample : ic326-0.25,A 0.25 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:42 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:40:41 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	9.92	974583	0.251 ug/mlm
Spiked Amount 5.000 Range 24 - 143 Recovery = 5.02%#			
Target Compounds			
2) RDX	7.20	972798	0.306 ug/mlm
3) Nitrobenzene	8.44	648326	0.199 ug/mlm
4) HMX	8.59	915643	0.235 ug/mlm
6) 1,3-Dinitrobenzene	10.65	863791	0.281 ug/ml
13) 2,4-Dinitrotoluene	14.64	711854	0.226 ug/mlm
14) 1,3,5-Trinitrobenzene	16.78	1400662	0.293 ug/mlm
15) 2,4,6-Trinitrotoluene	20.36	1039696	0.290 ug/mlm
17) PETN	21.98	362088	0.212 ug/mlm

08/22/04

8/22/04

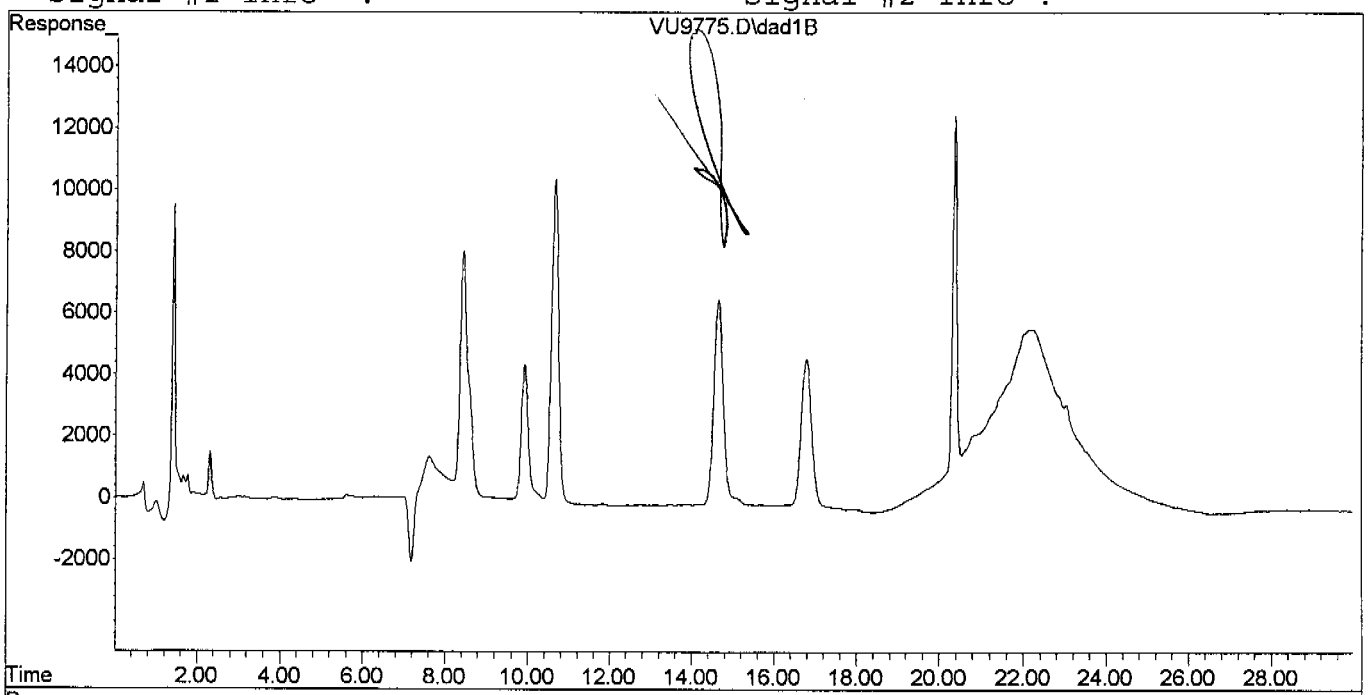
(f)=RT Delta > 1/2 Window (m)=manual int.

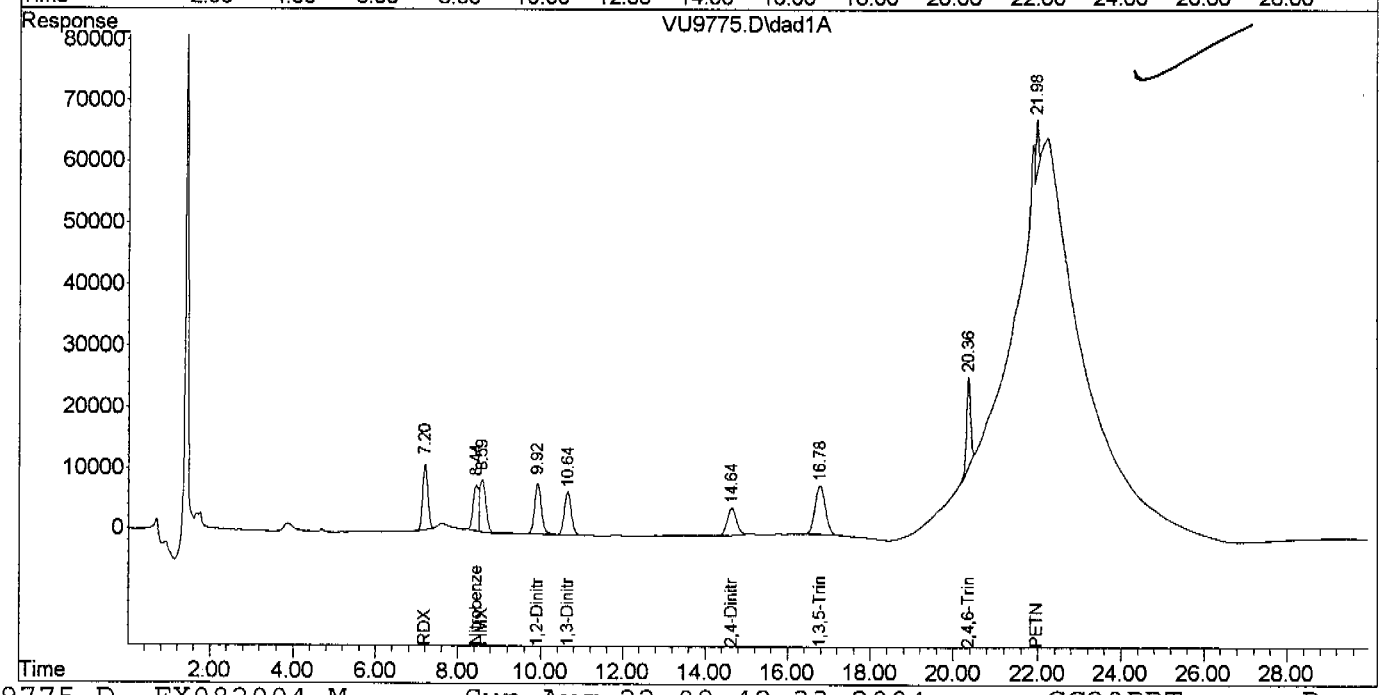
Quantitation Report (QT Reviewed)

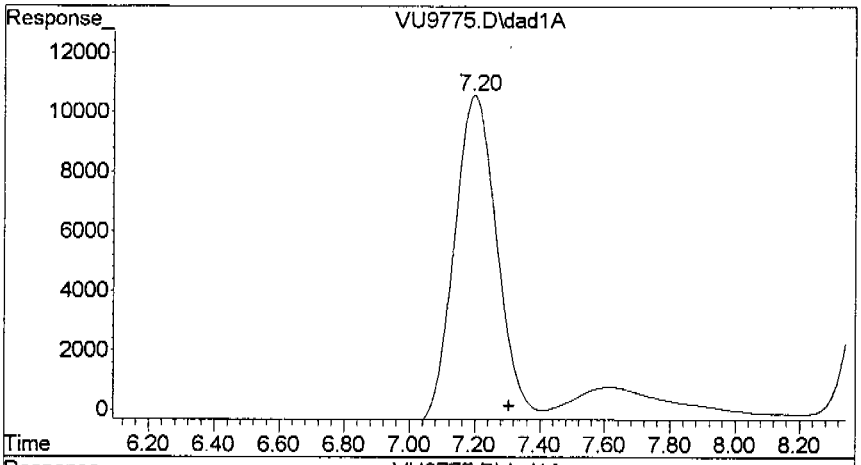
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9775.D\dad1B.ch Vial: 5
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9775.D\dad1A.ch
Acq On : 21-Aug-2004, 10:42:50 Operator: caobinz
Sample : ic326-0.25,A 0.25 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:42 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:40:41 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

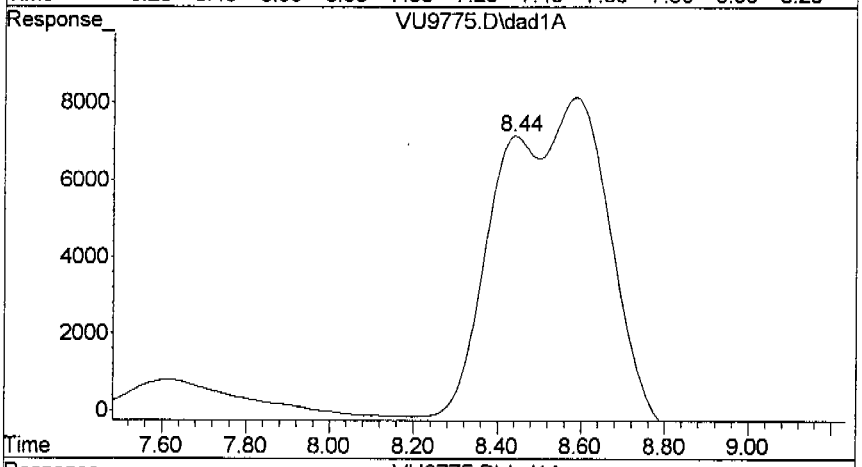






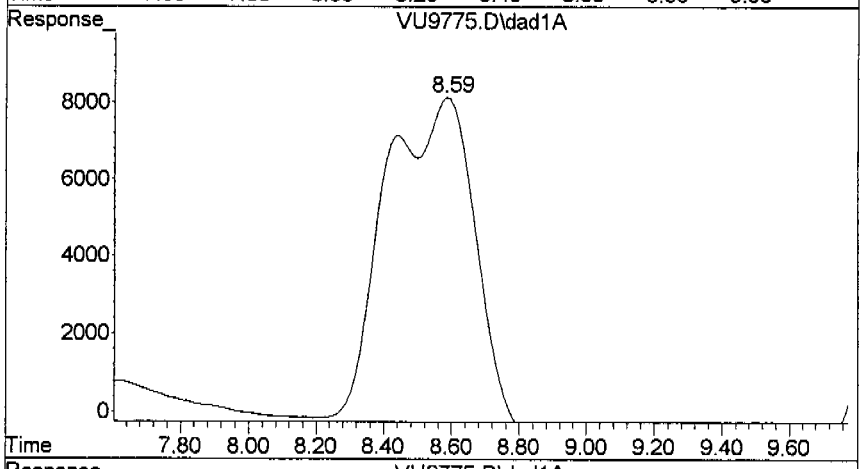
#2 RDX

R.T.: 7.197 min
Delta R.T.: -0.107 min
Response: 972798
Conc: 0.31 ug/ml m



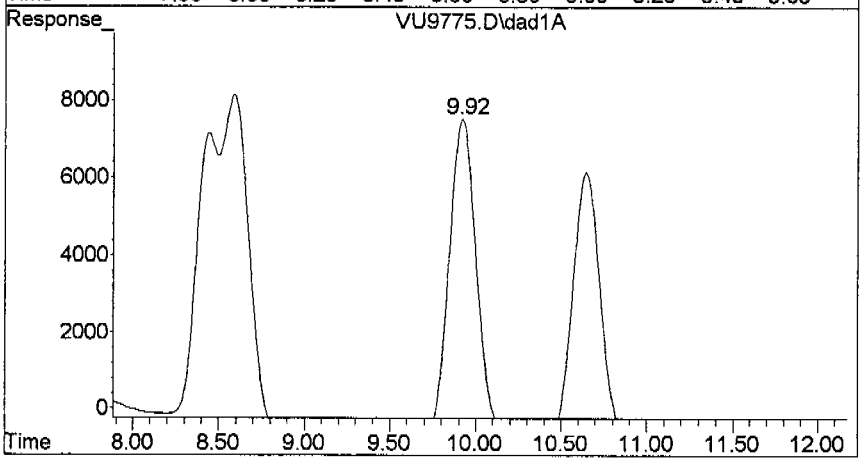
#3 Nitrobenzene

R.T.: 8.442 min
Delta R.T.: -0.101 min
Response: 648326
Conc: 0.20 ug/ml m



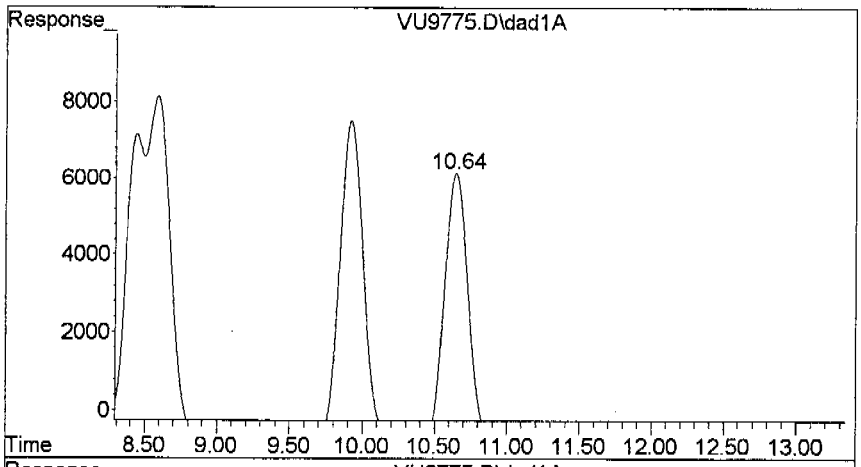
#4 HMX

R.T.: 8.587 min
Delta R.T.: -0.150 min
Response: 915643
Conc: 0.23 ug/ml m



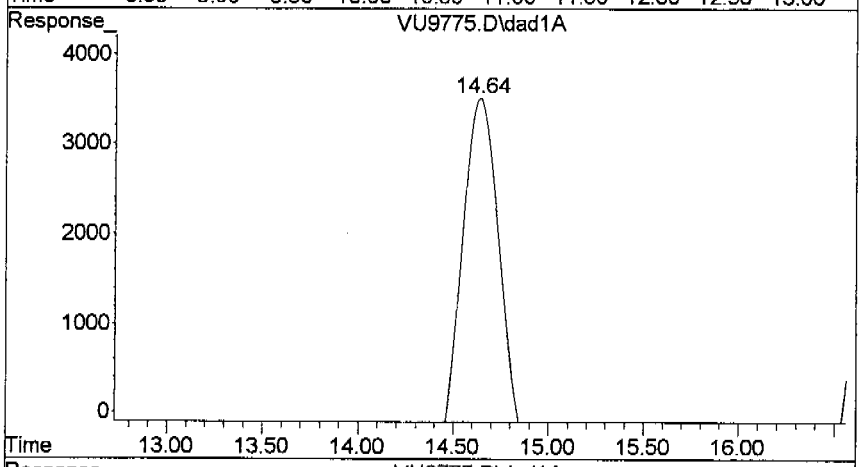
#5 1,2-Dinitrobenzene

R.T.: 9.918 min
Delta R.T.: -0.131 min
Response: 974583
Conc: 0.25 ug/ml m



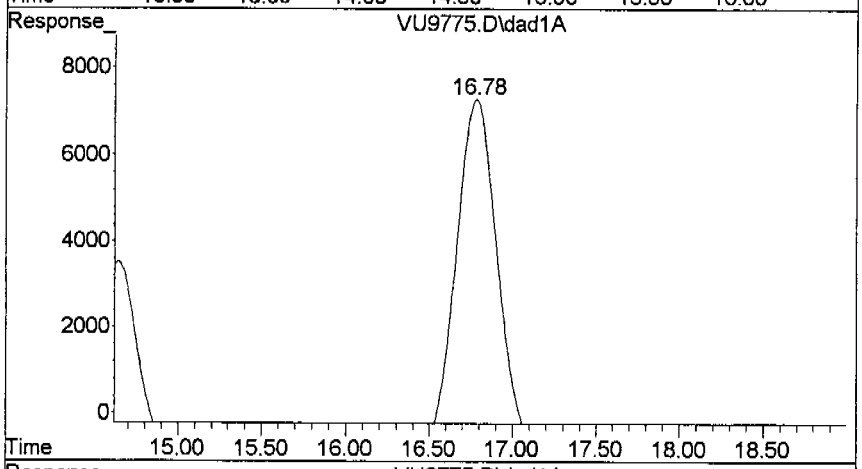
#6 1,3-Dinitrobenzene

R.T.: 10.648 min
Delta R.T.: -0.122 min
Response: 863791
Conc: 0.28 ug/ml



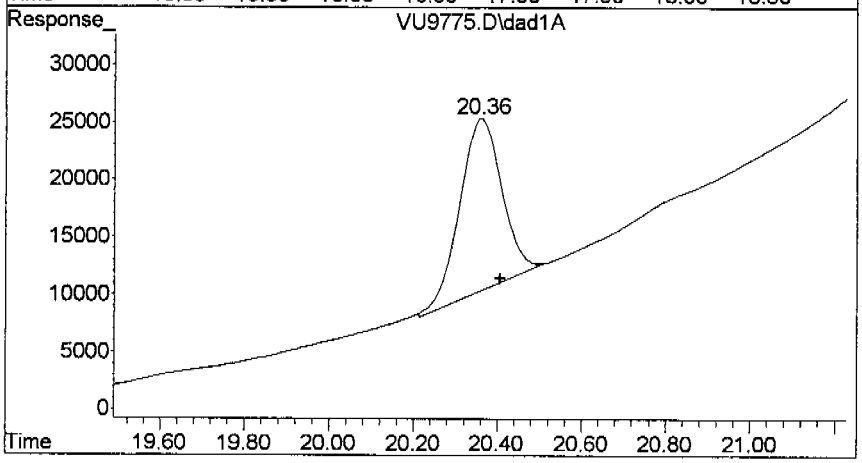
#13 2,4-Dinitrotoluene

R.T.: 14.638 min
Delta R.T.: -0.146 min
Response: 711854
Conc: 0.23 ug/ml m



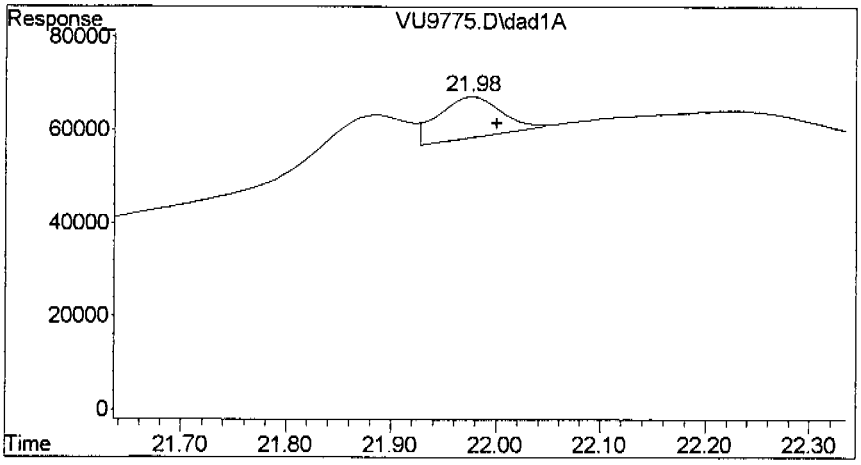
#14 1,3,5-Trinitrobenzene

R.T.: 16.782 min
Delta R.T.: -0.172 min
Response: 1400662
Conc: 0.29 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.360 min
Delta R.T.: -0.047 min
Response: 1039696
Conc: 0.29 ug/ml m



#17 PETN

R.T.: 21.975 min
Delta R.T.: -0.025 min
Response: 362088
Conc: 0.21 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9776.D\dad1B.ch Vial: 6
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9776.D\dad1A.ch
Acq On : 21-Aug-2004, 11:14:48 Operator: caobinz
Sample : ic326-0.05,A 0.05 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:44 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:42:23 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.02	212328	0.054 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	1.08%#
Target Compounds			
2) RDX	7.24	169529	0.052 ug/mlm
3) Nitrobenzene	8.50	121353	0.041 ug/ml
4) HMX	8.69	177880	0.047 ug/mlm
6) 1,3-Dinitrobenzene	10.75	178341	0.055 ug/ml
13) 2,4-Dinitrotoluene	14.76	135334	0.044 ug/mlm
14) 1,3,5-Trinitrobenzene	16.95	297449	0.057 ug/mlm
15) 2,4,6-Trinitrotoluene	20.43	206284	0.054 ug/mlm
17) PETN	22.02	42374	0.028 ug/mlm

08/22/04

8/22/04

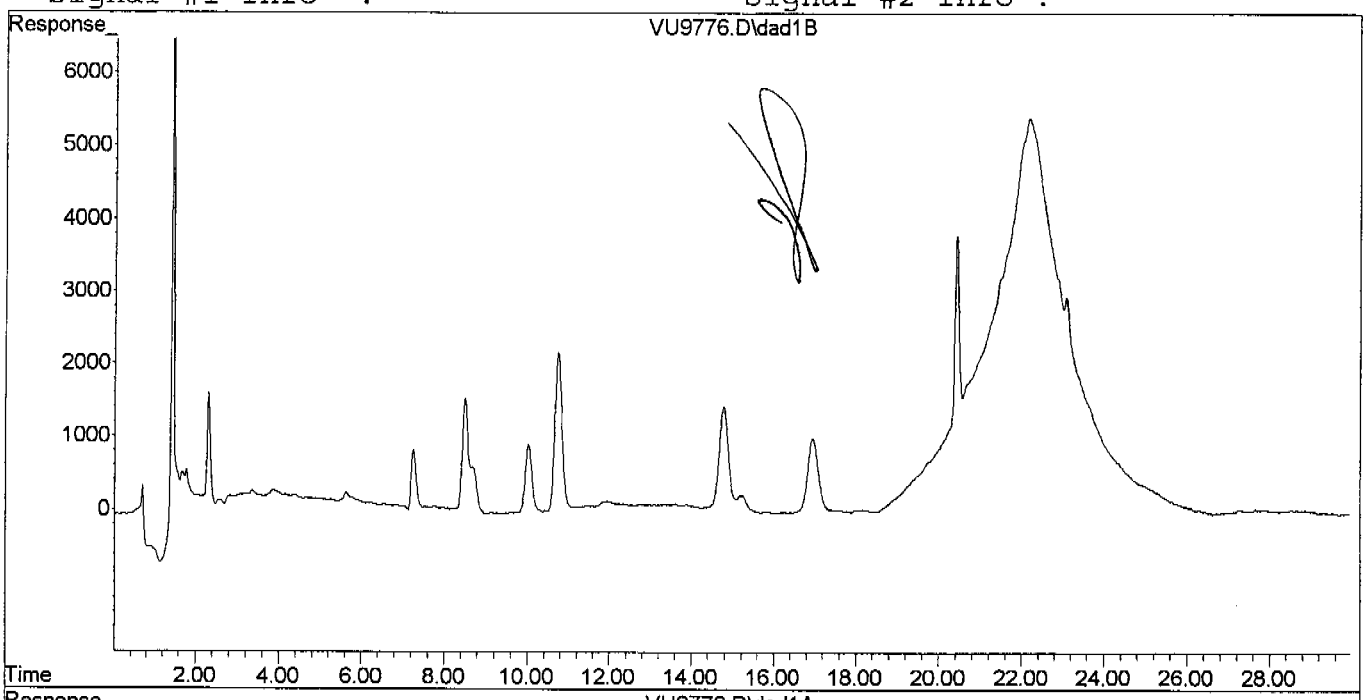
(f)=RT Delta > 1/2 Window (m)=manual int.

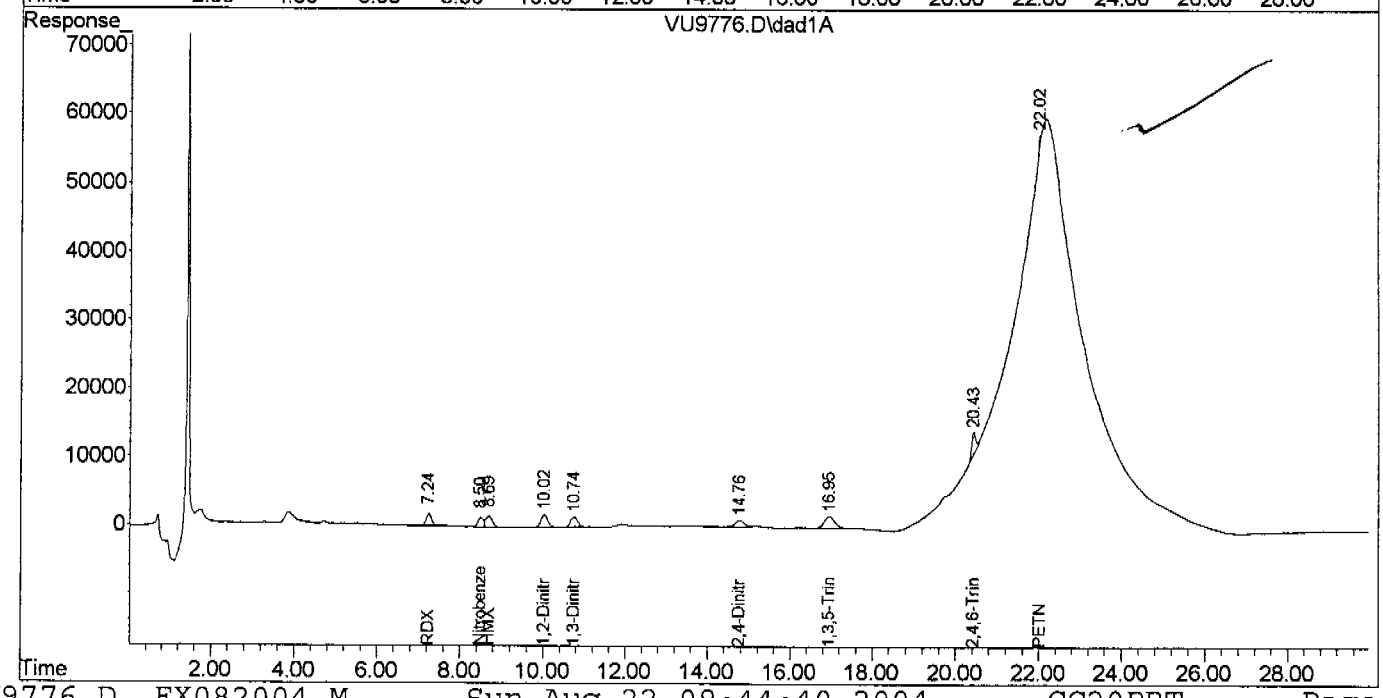
Quantitation Report (QT Reviewed)

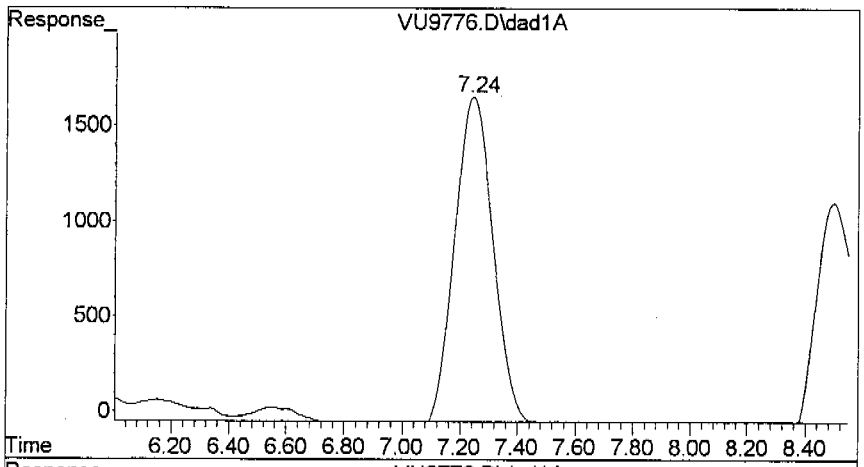
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9776.D\dad1B.ch Vial: 6
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9776.D\dad1A.ch
Acq On : 21-Aug-2004, 11:14:48 Operator: caobinz
Sample : ic326-0.05,A 0.05 ug/ml Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:44 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:42:23 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

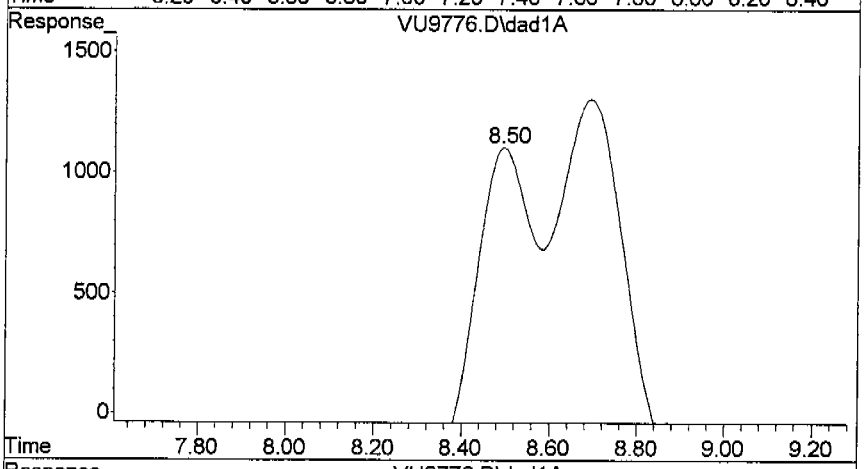






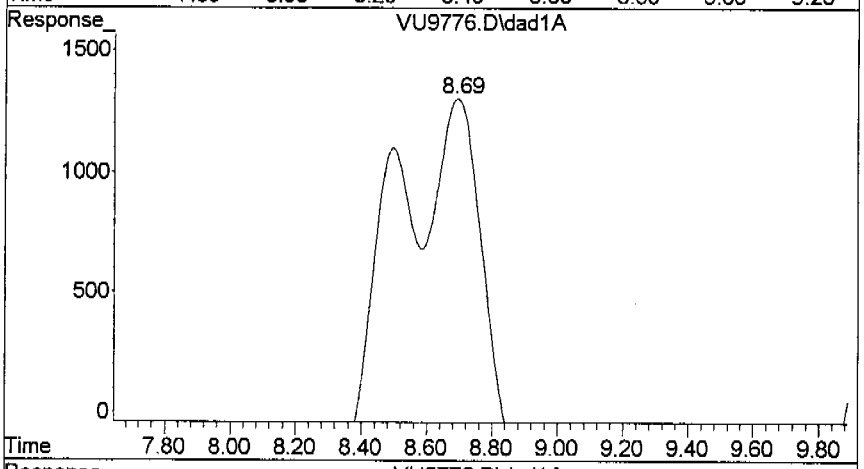
#2 RDX

R.T.: 7.243 min
Delta R.T.: 0.046 min
Response: 169529
Conc: 0.05 ug/ml m



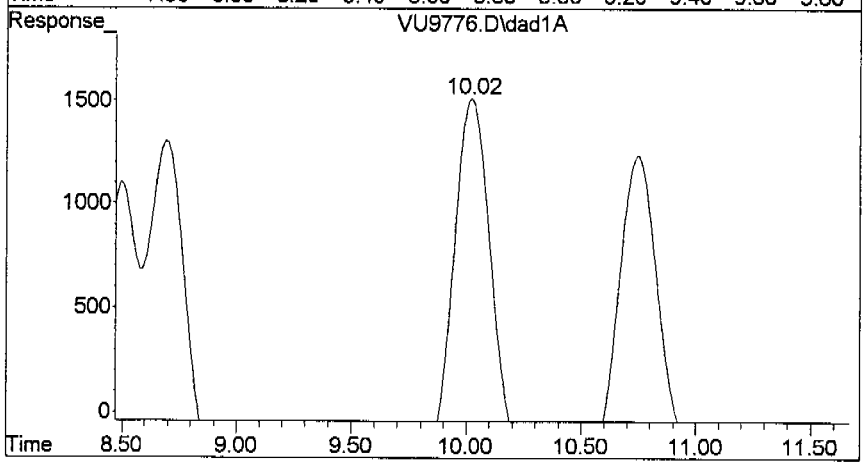
#3 Nitrobenzene

R.T.: 8.500 min
Delta R.T.: 0.058 min
Response: 121353
Conc: 0.04 ug/ml



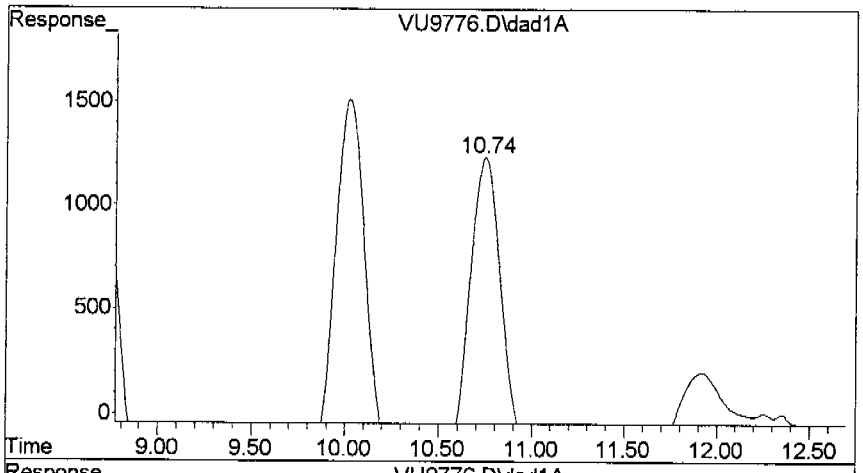
#4 HMX

R.T.: 8.692 min
Delta R.T.: 0.105 min
Response: 177880
Conc: 0.05 ug/ml m



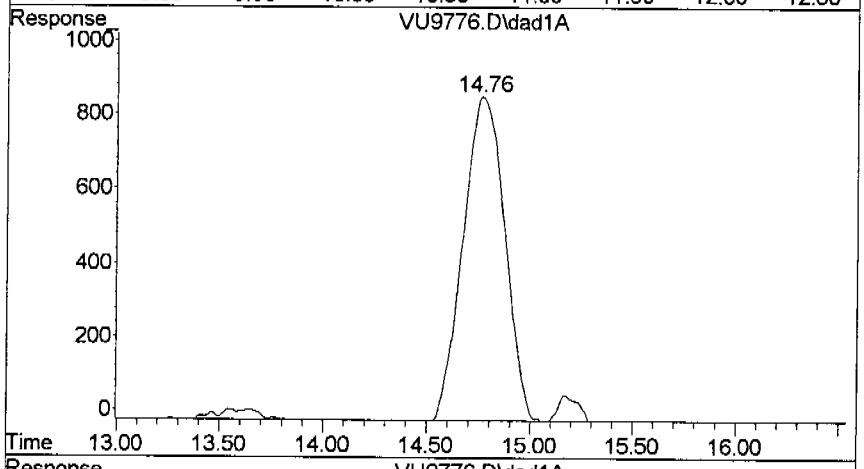
#5 1,2-Dinitrobenzene

R.T.: 10.019 min
Delta R.T.: 0.101 min
Response: 212328
Conc: 0.05 ug/ml m



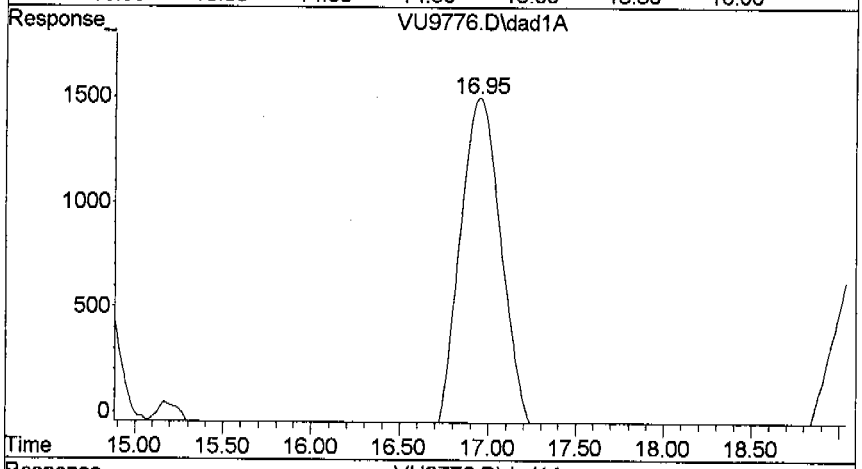
#6 1,3-Dinitrobenzene

R.T.: 10.747 min
Delta R.T.: 0.099 min
Response: 178341
Conc: 0.06 ug/ml



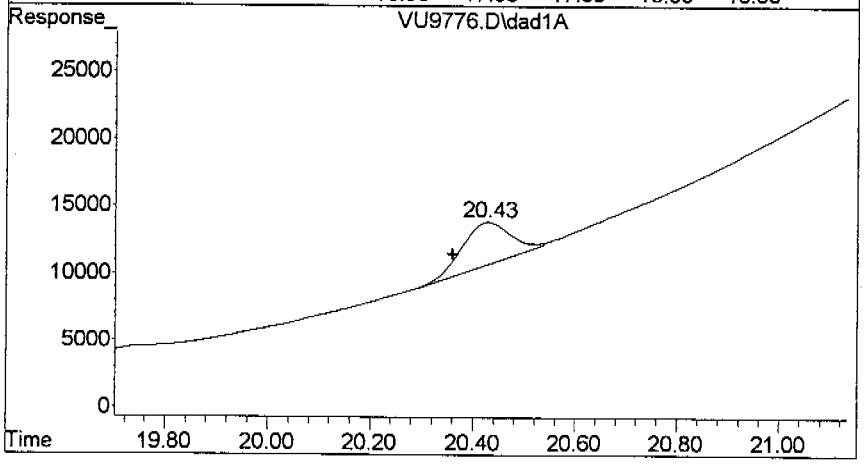
#13 2,4-Dinitrotoluene

R.T.: 14.761 min
Delta R.T.: 0.123 min
Response: 135334
Conc: 0.04 ug/ml m



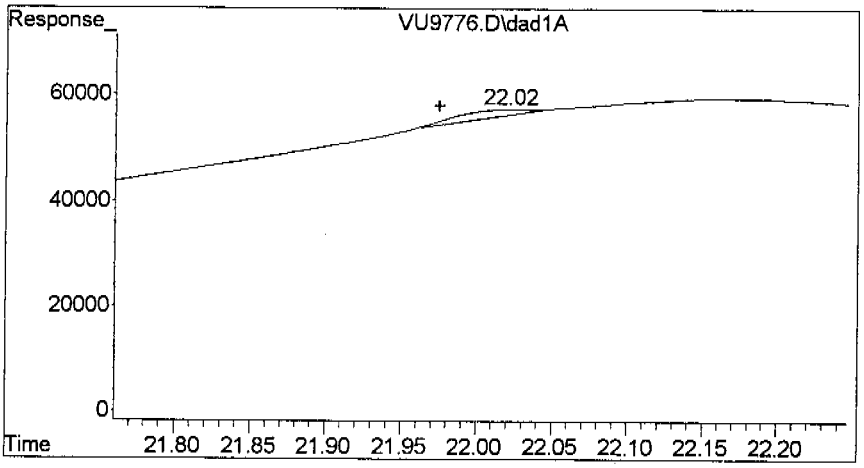
#14 1,3,5-Trinitrobenzene

R.T.: 16.947 min
Delta R.T.: 0.165 min
Response: 297449
Conc: 0.06 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.427 min
Delta R.T.: 0.067 min
Response: 206284
Conc: 0.05 ug/ml m



#17 PETN

R.T.: 22.020 min
Delta R.T.: 0.045 min
Response: 42374
Conc: 0.03 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9777.D\dad1B.ch Vial: 11
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9777.D\dad1A.ch
Acq On : 21-Aug-2004, 11:46:43 Operator: caobinz
Sample : ic326-10,B 10 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:47 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:44:33 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

08/22/04

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.05	38290032	9.640 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	192.80%#
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	10.86	80382022	25.418 ug/mlm
8) 4-Amino-2,6-Dinitrotoluene	10.86	80102904	25.016 ug/mlm
9) o-Nitrotoluene	11.63	27478148	6.209 ug/mlm
10) p-Nitrotoluene	12.01	26633429	6.466 ug/mlm
11) m-Nitrotoluene	12.48	35908535	6.137 ug/mlm
12) 2,6-Dinitrotoluene	13.95	32068109	8.034 ug/mlm
16) Tetryl	20.61	41189620	13.758 ug/mlm

8/22/04

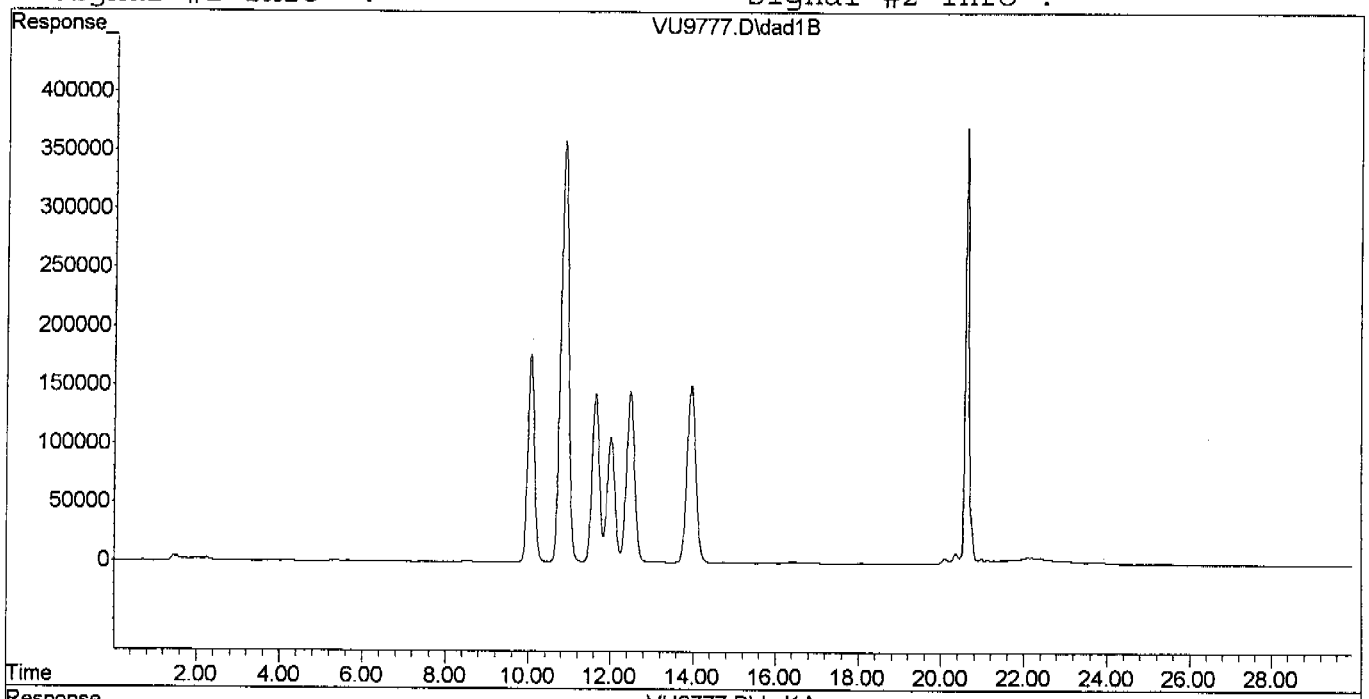
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9777.D EX082004.M Sun Aug 22 2004 48:20 2004 GC20PRT Page 1

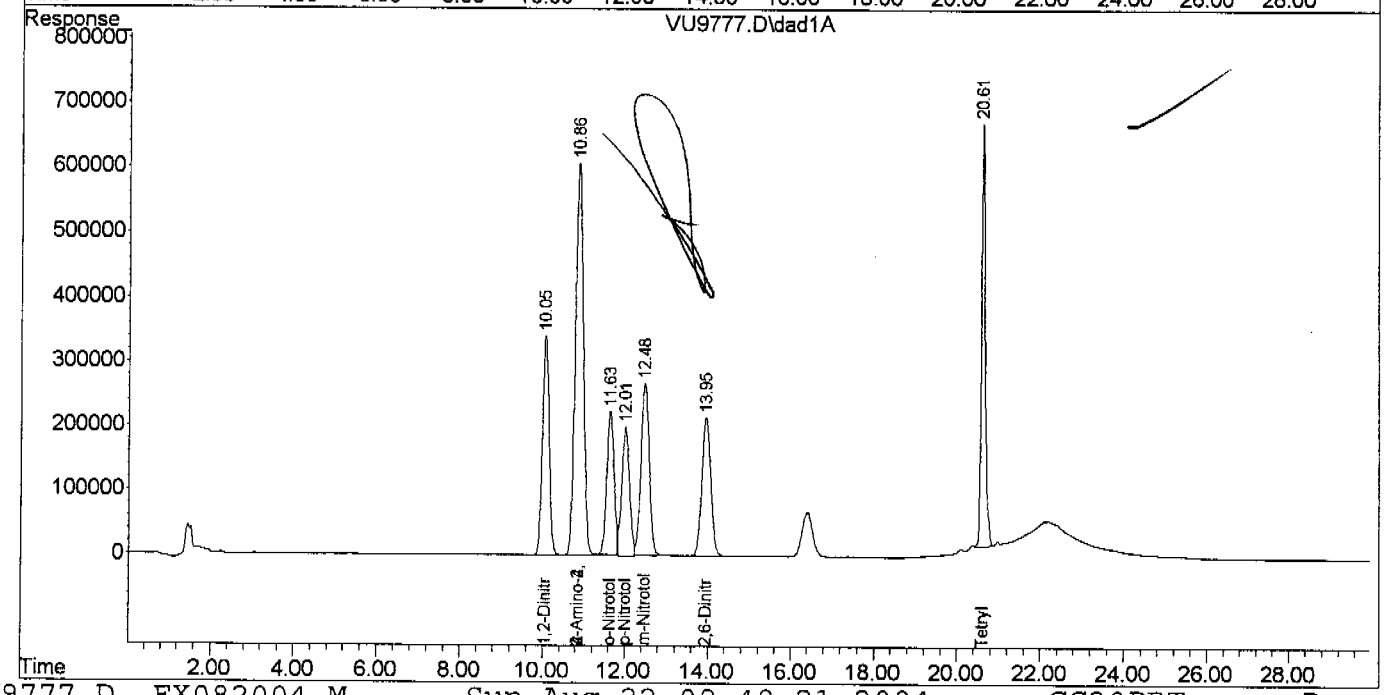
Quantitation Report (QT Reviewed)

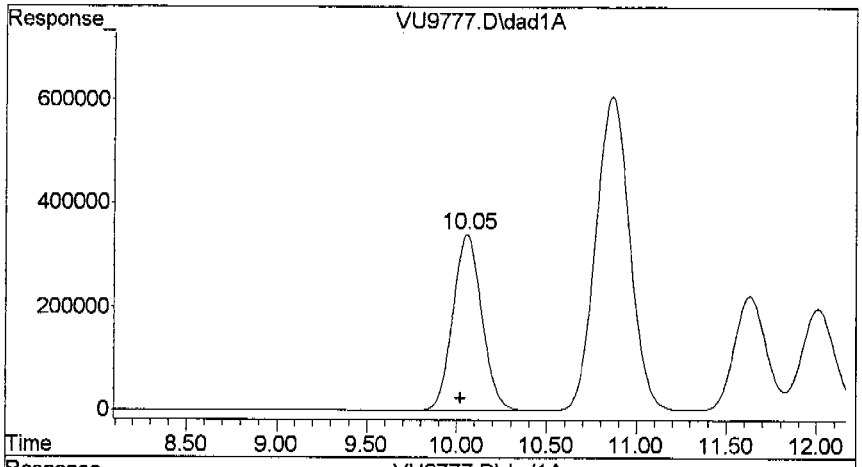
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9777.D\dad1B.ch Vial: 11
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9777.D\dad1A.ch
Acq On : 21-Aug-2004, 11:46:43 Operator: caobinz
Sample : ic326-10,B 10 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:47 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:44:33 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

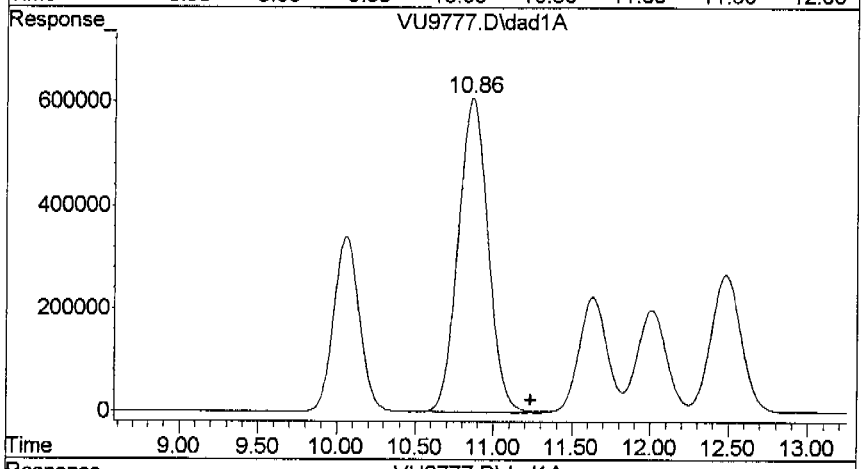






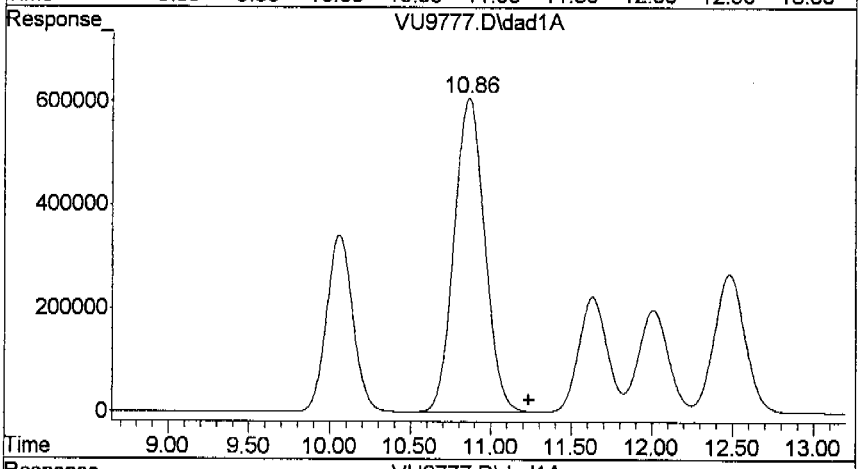
#5 1,2-Dinitrobenzene

R.T.: 10.054 min
Delta R.T.: 0.035 min
Response: 38290032
Conc: 9.64 ug/ml m



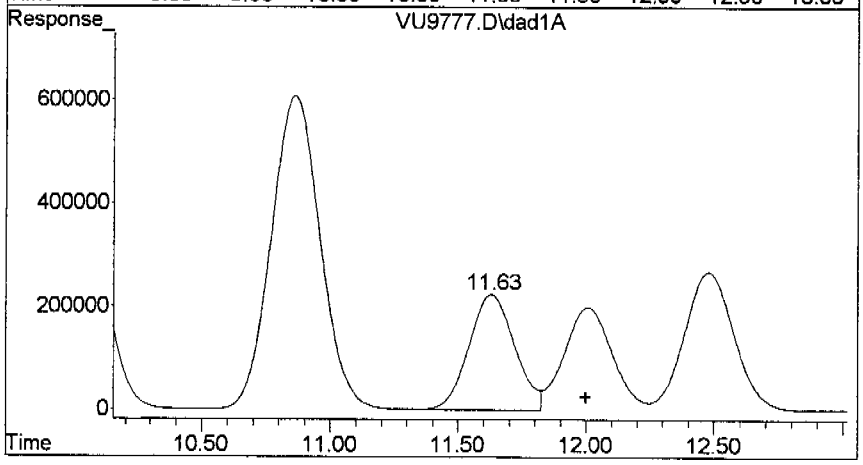
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 10.859 min
Delta R.T.: -0.376 min
Response: 80382022
Conc: 25.42 ug/ml m



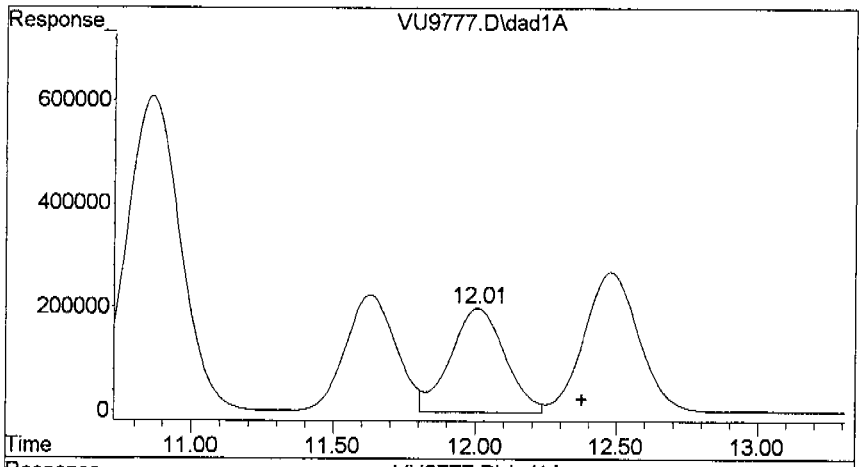
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 10.859 min
Delta R.T.: -0.376 min
Response: 80102904
Conc: 25.02 ug/ml m



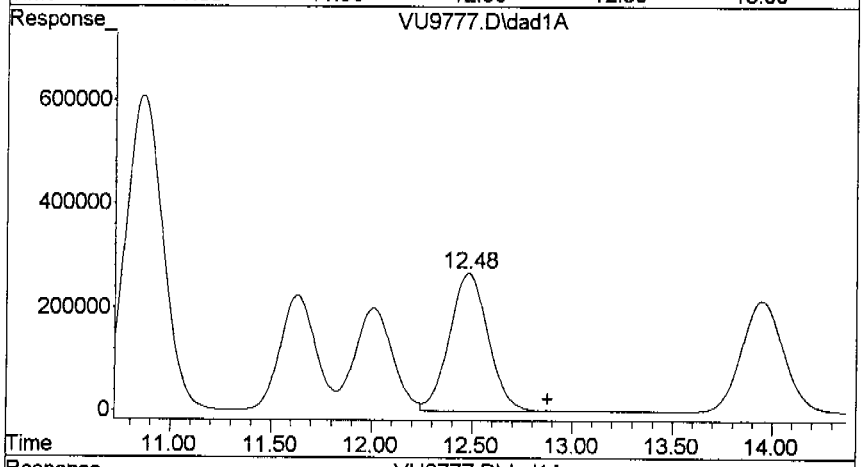
#9 o-Nitrotoluene

R.T.: 11.628 min
Delta R.T.: -0.370 min
Response: 27478148
Conc: 6.21 ug/ml m



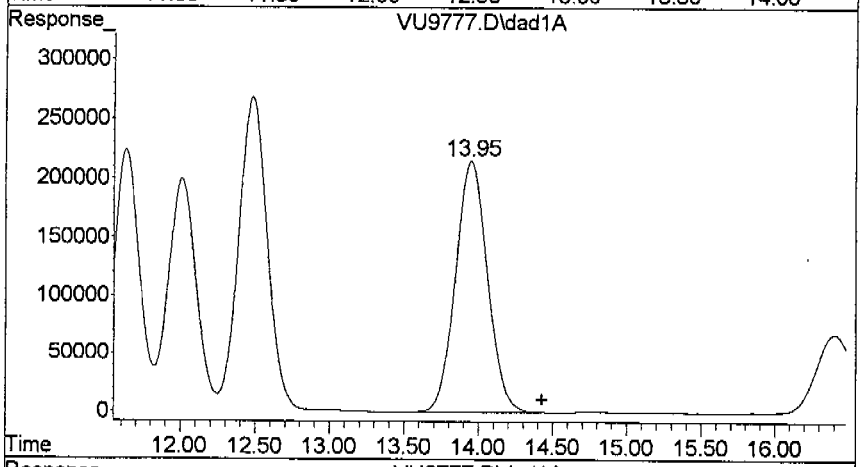
#10 p-Nitrotoluene

R.T.: 12.006 min
Delta R.T.: -0.369 min
Response: 26633429
Conc: 6.47 ug/ml m



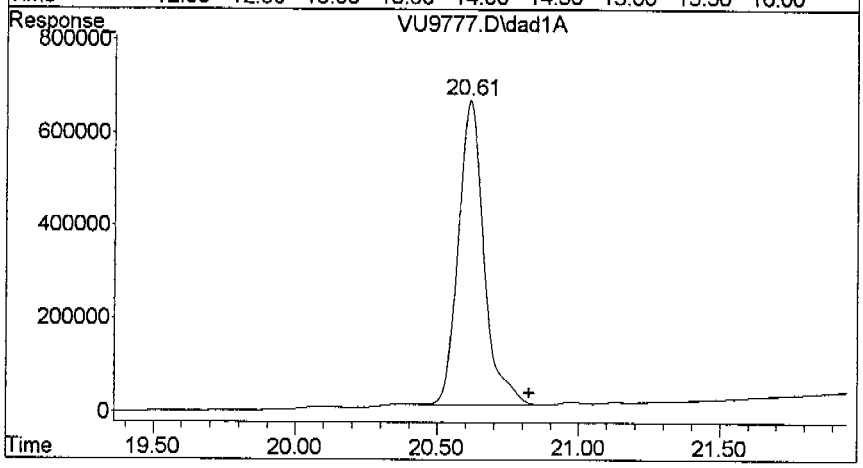
#11 m-Nitrotoluene

R.T.: 12.477 min
Delta R.T.: -0.398 min
Response: 35908535
Conc: 6.14 ug/ml m



#12 2,6-Dinitrotoluene

R.T.: 13.945 min
Delta R.T.: -0.478 min
Response: 32068109
Conc: 8.03 ug/ml m



#16 Tetryl

R.T.: 20.612 min
Delta R.T.: -0.211 min
Response: 41189620
Conc: 13.76 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9778.D\dad1B.ch Vial: 12
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9778.D\dad1A.ch
Acq On : 21-Aug-2004, 12:18:39 Operator: caobinz
Sample : icc326-5,B 5 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:49 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:48:08 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.10	18959732	4.794 ug/ml
Spiked Amount 5.000 Range 24 - 143		Recovery =	95.88%
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	10.93	39611655	12.092 ug/ml
8) 4-Amino-2,6-Dinitrotoluene	10.93	39611655	11.956 ug/ml
9) o-Nitrotoluene	11.70	13663192	3.339 ug/ml
10) p-Nitrotoluene	12.08	12806552	3.343 ug/ml
11) m-Nitrotoluene	12.55	17640941	3.274 ug/mlm
12) 2,6-Dinitrotoluene	14.02	15838407	4.138 ug/ml
16) Tetryl	20.64	20657134	6.714 ug/mlm

8/22/04

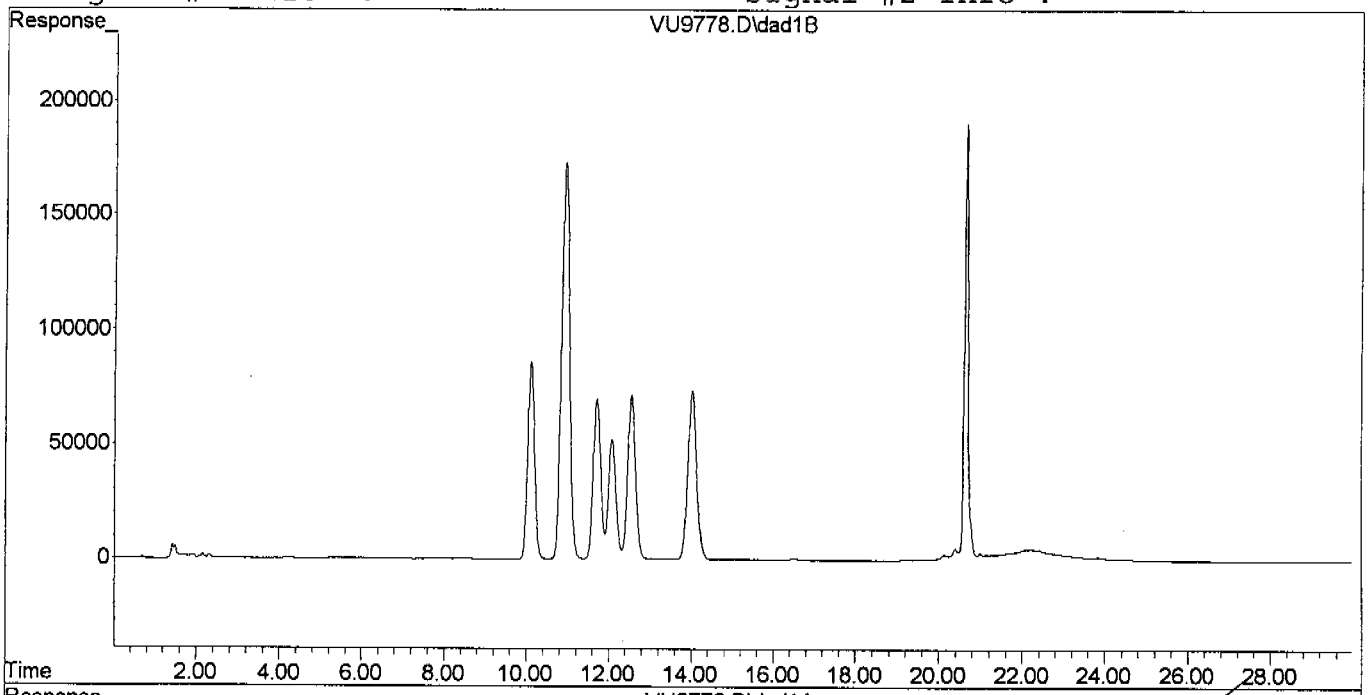
(f)=RT Delta > 1/2 Window (m)=manual int.

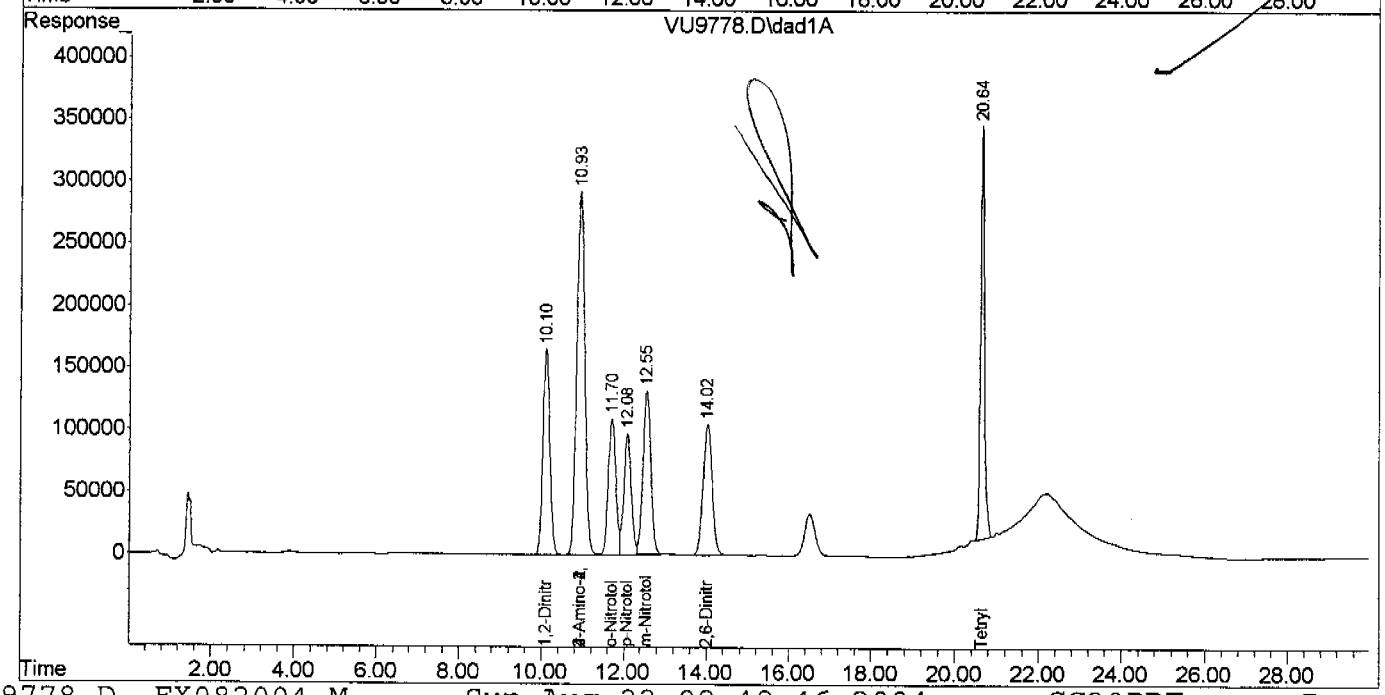
Quantitation Report (QT Reviewed)

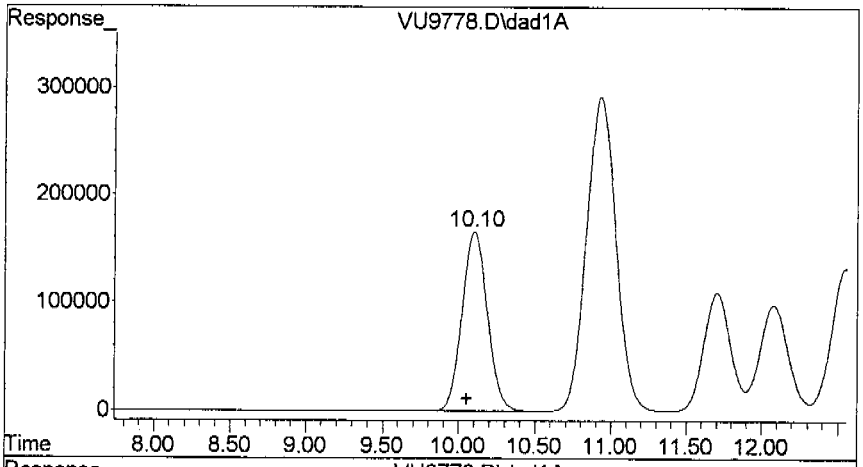
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9778.D\dad1B.ch Vial: 12
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9778.D\dad1A.ch
Acq On : 21-Aug-2004, 12:18:39 Operator: caobinz
Sample : icc326-5,B 5 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:49 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:48:08 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

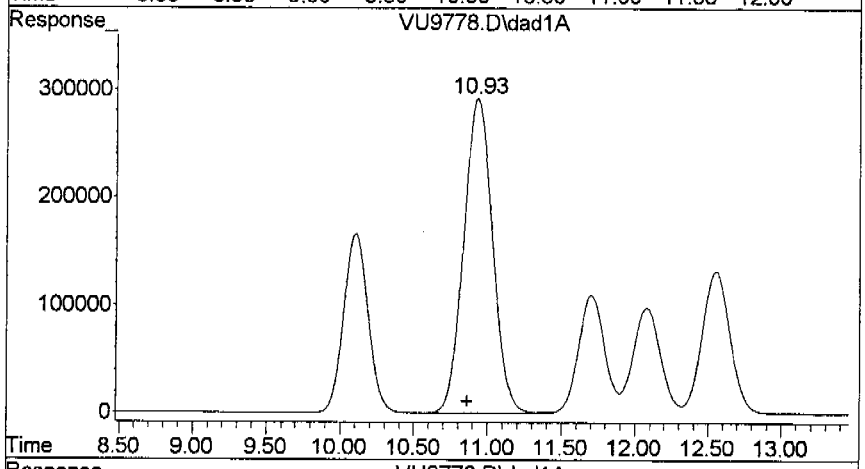






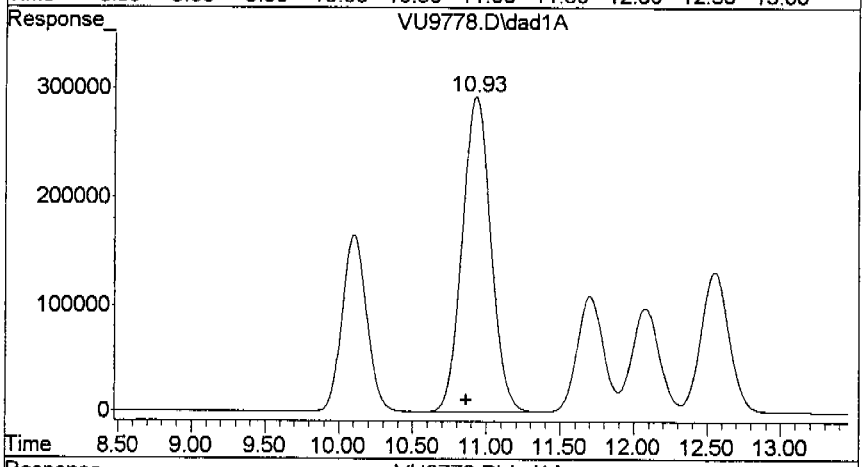
#5 1,2-Dinitrobenzene

R.T.: 10.102 min
Delta R.T.: 0.048 min
Response: 18959732
Conc: 4.79 ug/ml



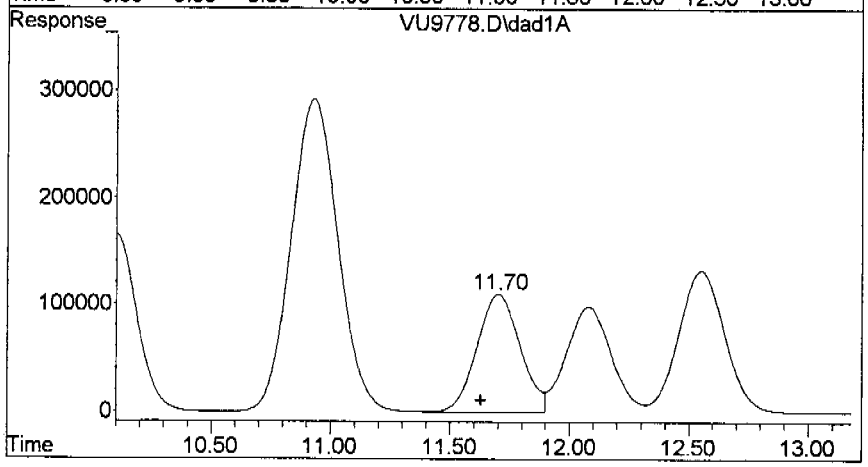
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 10.929 min
Delta R.T.: 0.070 min
Response: 39611655
Conc: 12.09 ug/ml



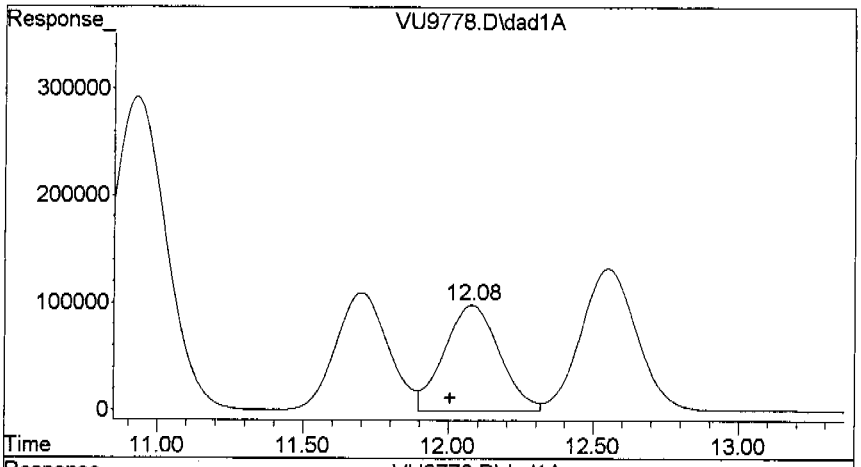
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 10.929 min
Delta R.T.: 0.070 min
Response: 39611655
Conc: 11.96 ug/ml



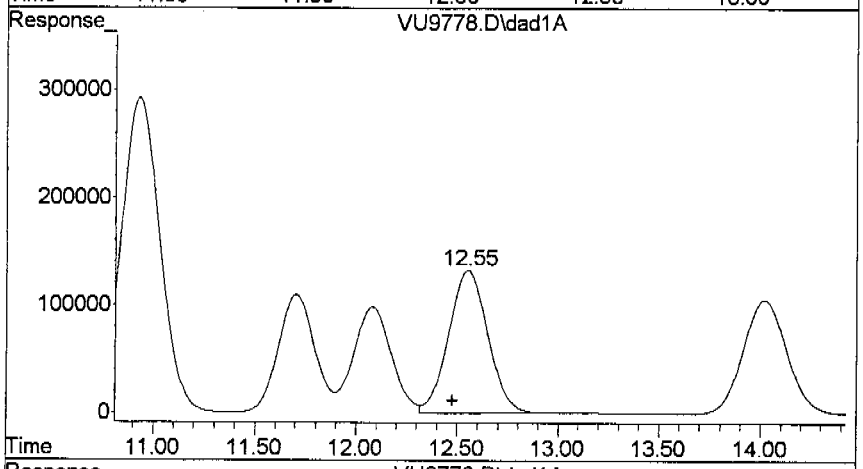
#9 o-Nitrotoluene

R.T.: 11.702 min
Delta R.T.: 0.074 min
Response: 13663192
Conc: 3.34 ug/ml



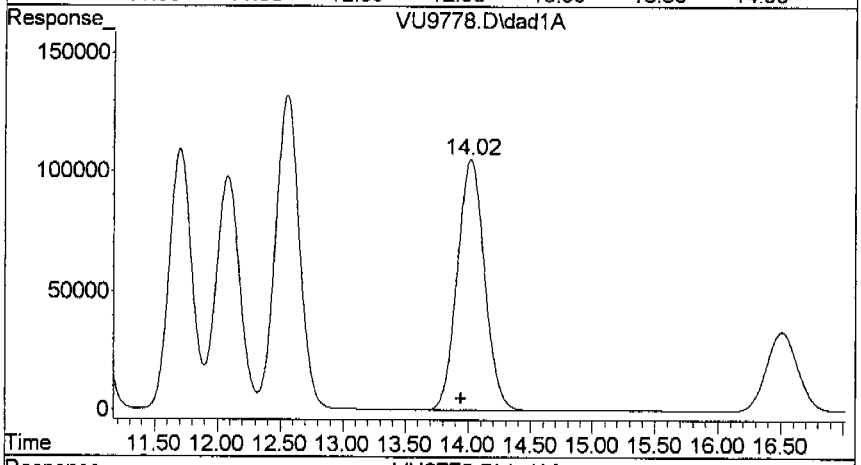
#10 p-Nitrotoluene

R.T.: 12.080 min
Delta R.T.: 0.074 min
Response: 12806552
Conc: 3.34 ug/ml



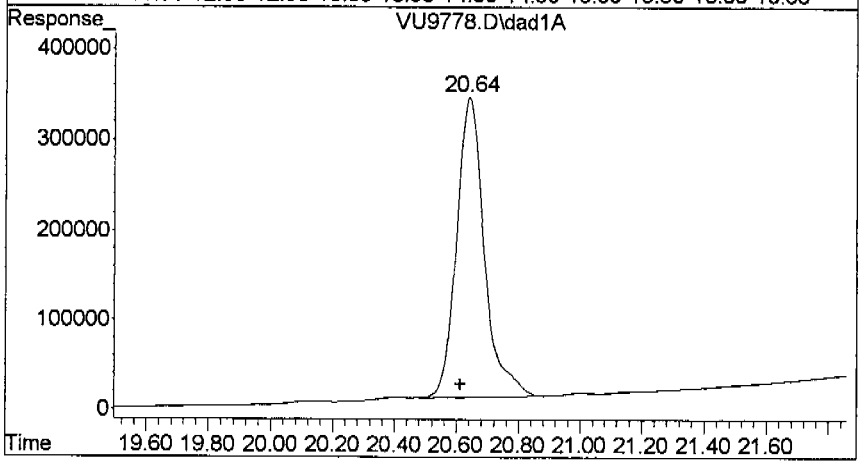
#11 m-Nitrotoluene

R.T.: 12.549 min
Delta R.T.: 0.072 min
Response: 17640941
Conc: 3.27 ug/ml m



#12 2,6-Dinitrotoluene

R.T.: 14.020 min
Delta R.T.: 0.075 min
Response: 15838407
Conc: 4.14 ug/ml



#16 Tetryl

R.T.: 20.639 min
Delta R.T.: 0.027 min
Response: 20657134
Conc: 6.71 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9779.D\dad1B.ch Vial: 13
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9779.D\dad1A.ch
Acq On : 21-Aug-2004, 12:50:36 Operator: caobinz
Sample : ic326-2,B 2 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:50 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:49:38 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.13	7618970	1.937 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	38.74%
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	10.97	16145546	4.774 ug/ml
8) 4-Amino-2,6-Dinitrotoluene	10.97	16145546	4.722 ug/ml
9) o-Nitrotoluene	11.73	5535577	1.460 ug/ml
10) p-Nitrotoluene	12.11	5200884	1.458 ug/ml
11) m-Nitrotoluene	12.59	7194065	1.454 ug/ml
12) 2,6-Dinitrotoluene	14.06	6353483	1.734 ug/ml
16) Tetryl	20.66	8324226	2.622 ug/mlm

08/22/04

8/22/04

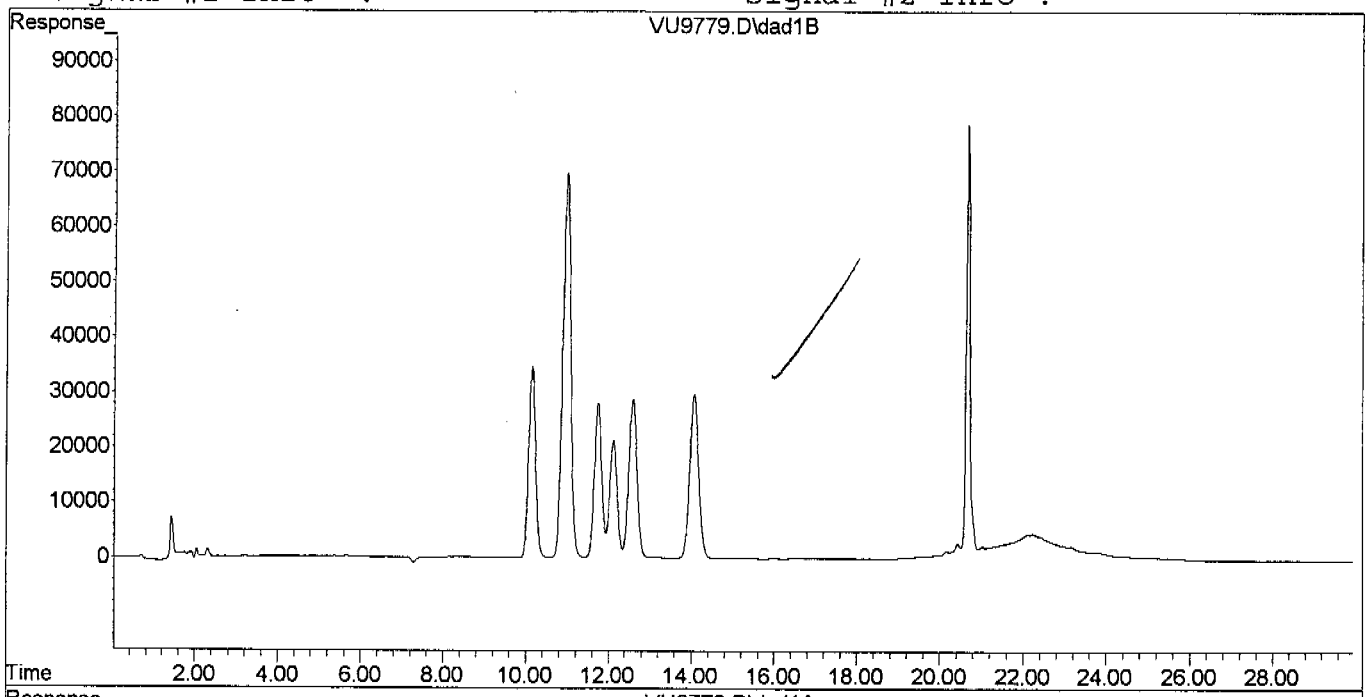
(f)=RT Delta > 1/2 Window (m)=manual int.

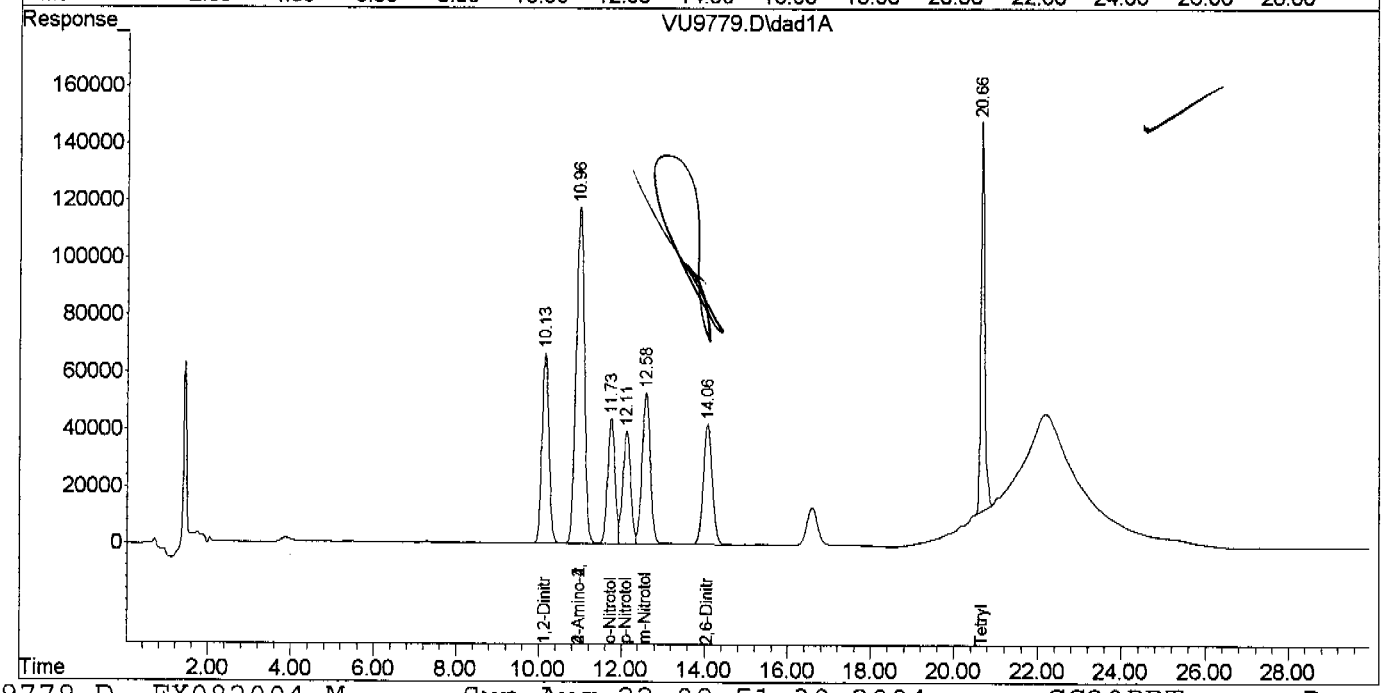
Quantitation Report (QT Reviewed)

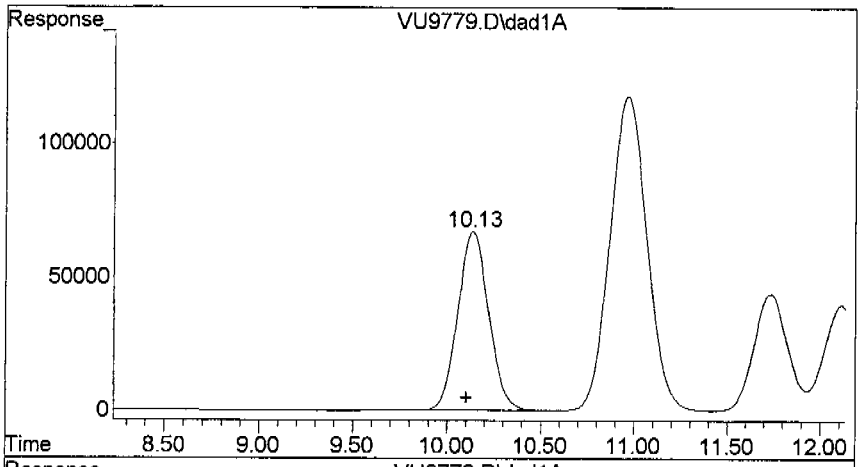
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9779.D\dad1B.ch Vial: 13
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9779.D\dad1A.ch
Acq On : 21-Aug-2004, 12:50:36 Operator: caobinz
Sample : ic326-2,B 2 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:50 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:49:38 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

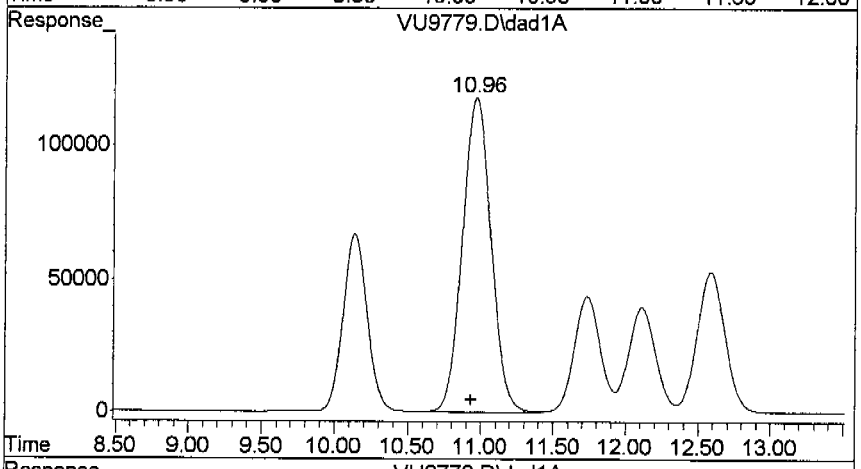






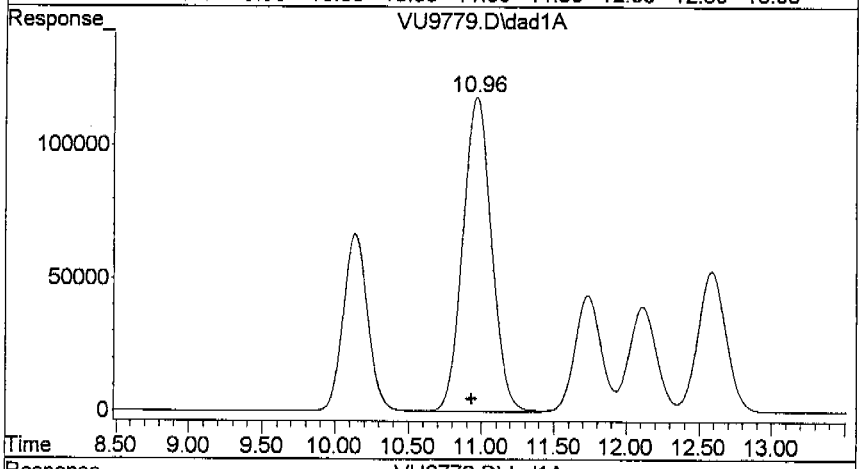
#5 1,2-Dinitrobenzene

R.T.: 10.133 min
Delta R.T.: 0.031 min
Response: 7618970
Conc: 1.94 ug/ml m



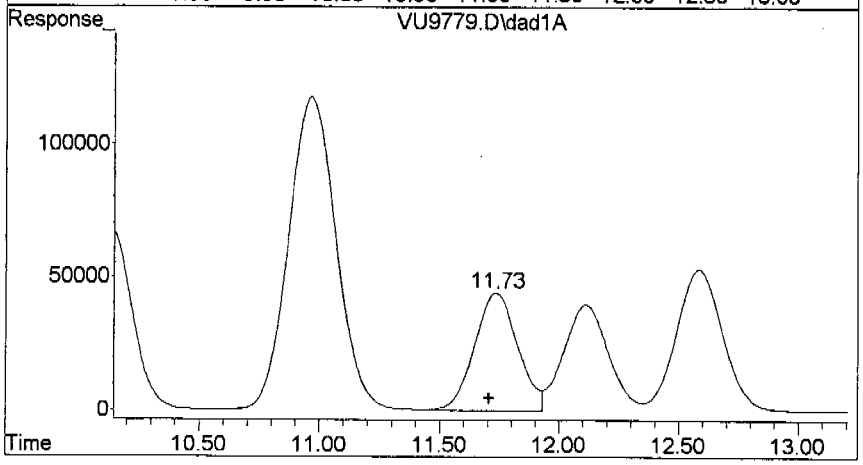
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 10.965 min
Delta R.T.: 0.036 min
Response: 16145546
Conc: 4.77 ug/ml



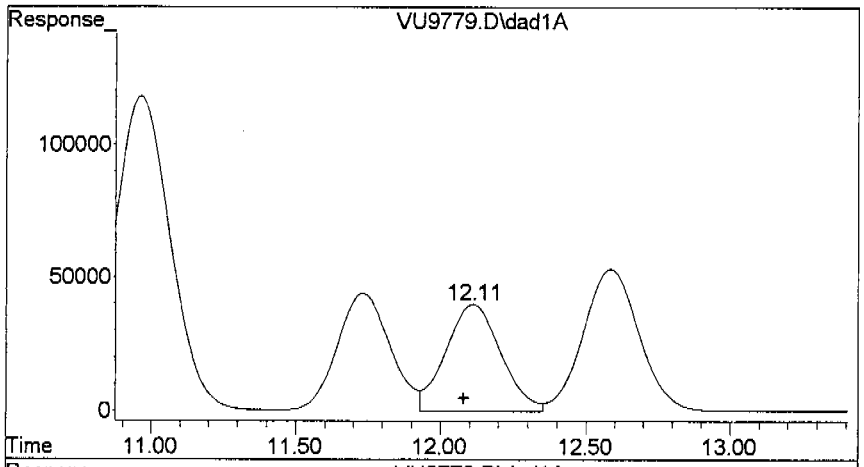
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 10.965 min
Delta R.T.: 0.036 min
Response: 16145546
Conc: 4.72 ug/ml



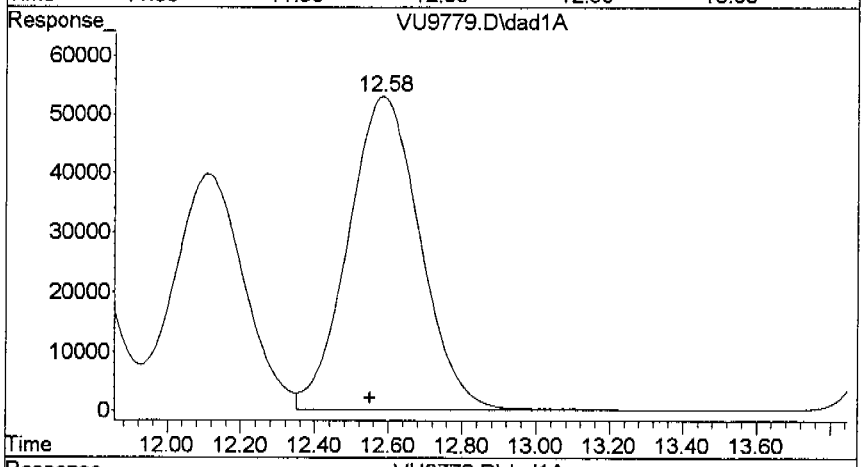
#9 o-Nitrotoluene

R.T.: 11.733 min
Delta R.T.: 0.031 min
Response: 5535577
Conc: 1.46 ug/ml



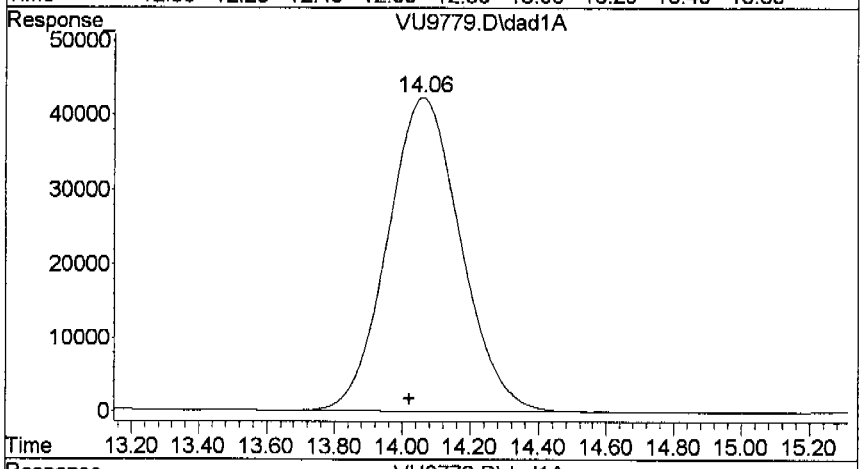
#10 p-Nitrotoluene

R.T.: 12.112 min
Delta R.T.: 0.032 min
Response: 5200884
Conc: 1.46 ug/ml



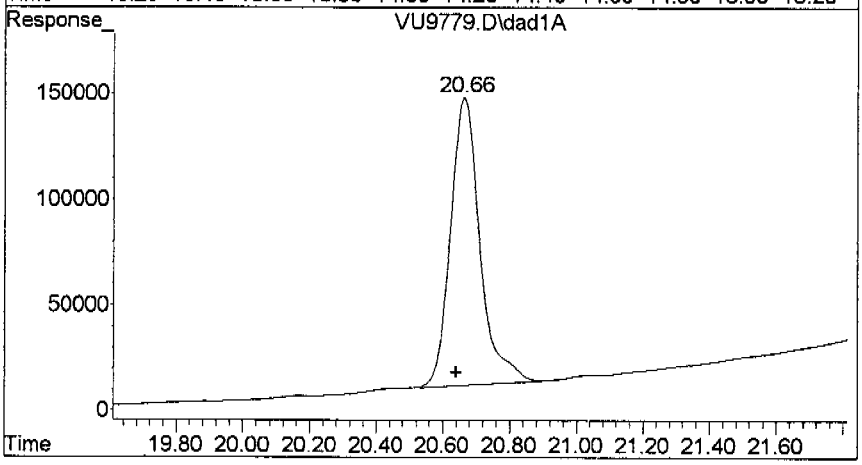
#11 m-Nitrotoluene

R.T.: 12.586 min
Delta R.T.: 0.037 min
Response: 7194065
Conc: 1.45 ug/ml



#12 2,6-Dinitrotoluene

R.T.: 14.062 min
Delta R.T.: 0.043 min
Response: 6353483
Conc: 1.73 ug/ml



#16 Tetryl

R.T.: 20.663 min
Delta R.T.: 0.024 min
Response: 8324226
Conc: 2.62 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9780.D\dad1B.ch Vial: 14
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9780.D\dad1A.ch
Acq On : 21-Aug-2004, 13:22:33 Operator: caobinz
Sample : ic326-1,B 1 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:53 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:51:08 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.18	3724629	0.952 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	19.04%#
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	11.02	7797133	2.212 ug/ml
8) 4-Amino-2,6-Dinitrotoluene	11.02	7797133	2.191 ug/ml
9) o-Nitrotoluene	11.80	2667611	0.763 ug/ml
10) p-Nitrotoluene	12.18	2517356	0.761 ug/ml
11) m-Nitrotoluene	12.67	3482826	0.767 ug/ml
12) 2,6-Dinitrotoluene	14.17	3115396	0.887 ug/ml
16) Tetryl	20.67	4059813	1.217 ug/mlm

08/22/04 8/22/04

S

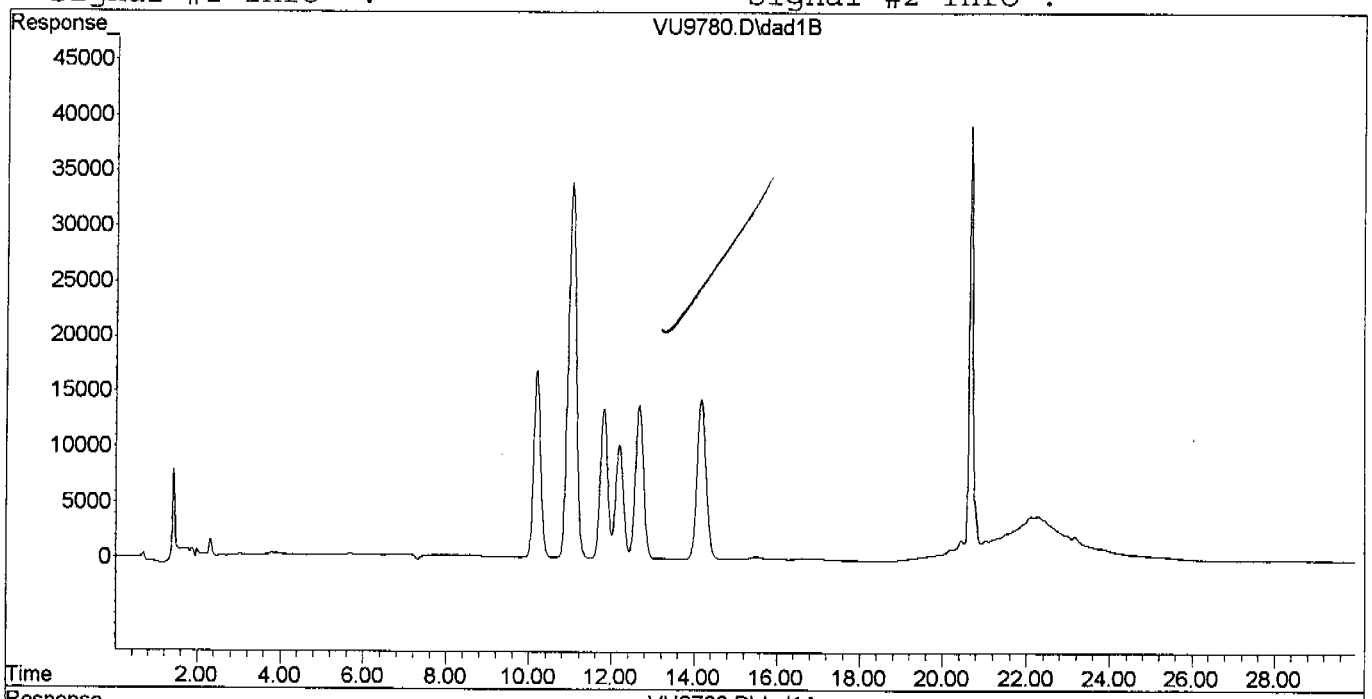
(f)=RT Delta > 1/2 Window (m)=manual int.

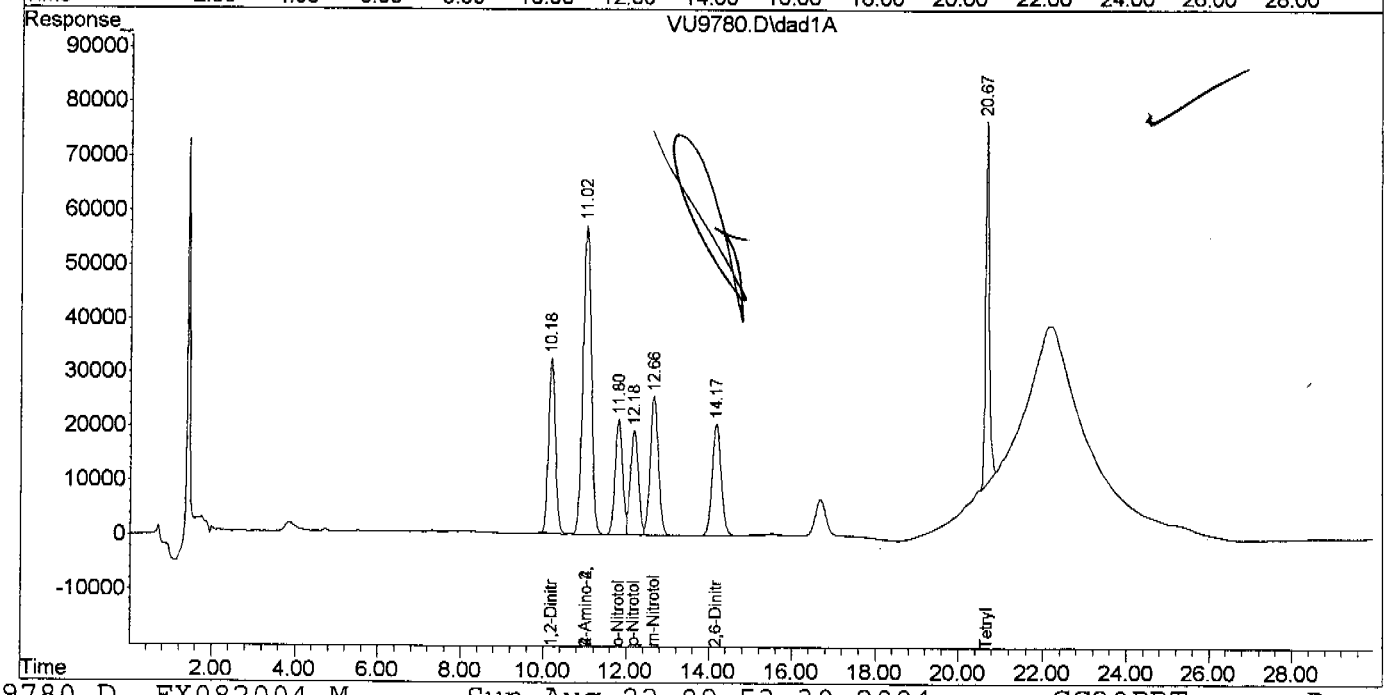
Quantitation Report (QT Reviewed)

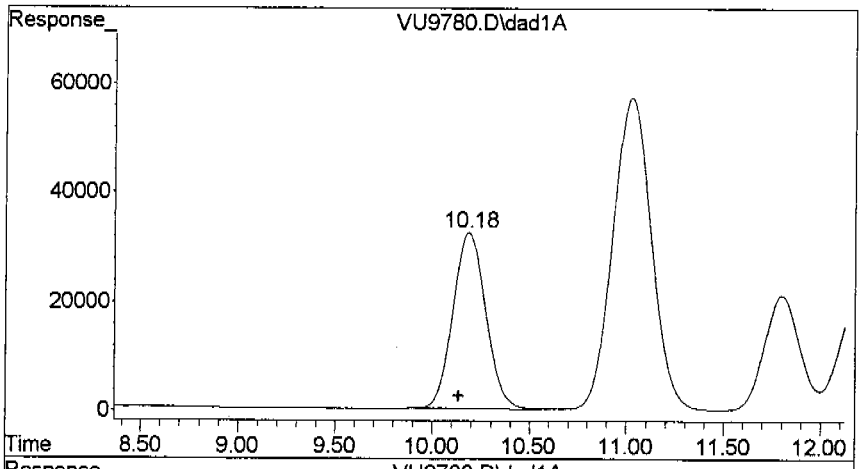
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9780.D\dad1B.ch Vial: 14
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9780.D\dad1A.ch
Acq On : 21-Aug-2004, 13:22:33 Operator: caobinz
Sample : ic326-1,B 1 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:53 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:51:08 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

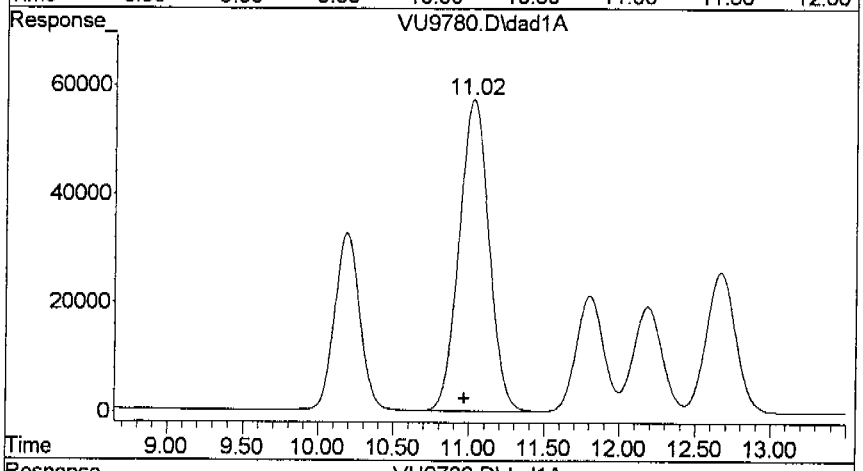






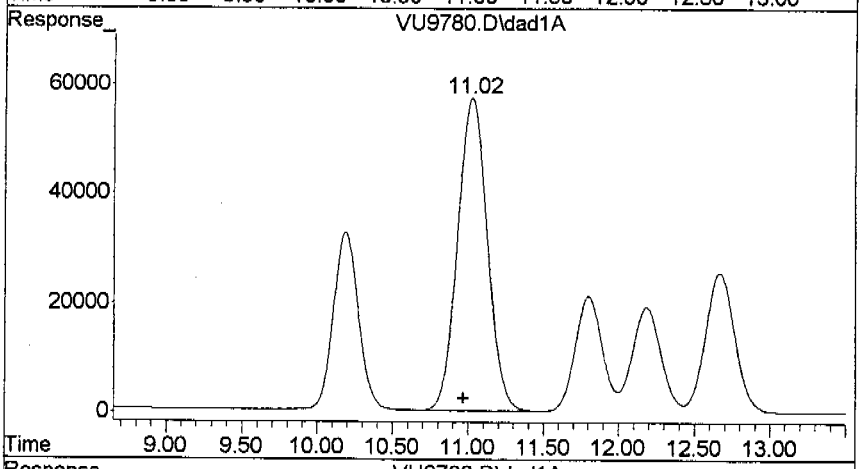
#5 1,2-Dinitrobenzene

R.T.: 10.184 min
Delta R.T.: 0.051 min
Response: 3724629
Conc: 0.95 ug/ml m



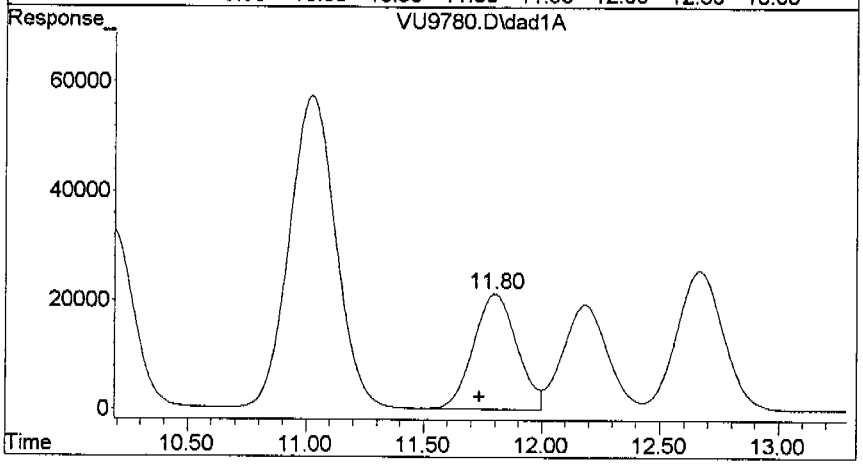
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 11.024 min
Delta R.T.: 0.058 min
Response: 7797133
Conc: 2.21 ug/ml



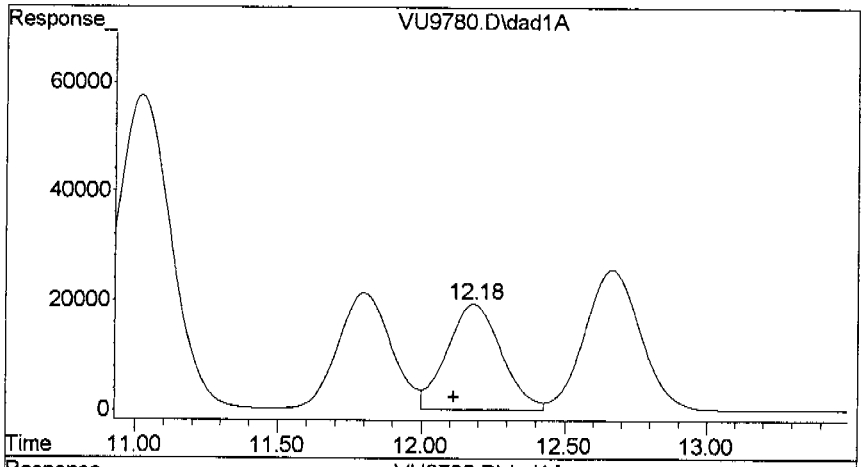
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 11.024 min
Delta R.T.: 0.058 min
Response: 7797133
Conc: 2.19 ug/ml



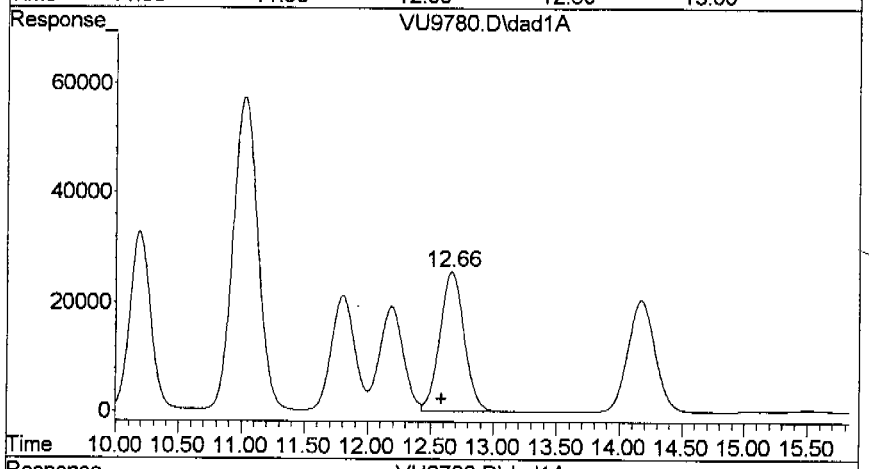
#9 o-Nitrotoluene

R.T.: 11.801 min
Delta R.T.: 0.067 min
Response: 2667611
Conc: 0.76 ug/ml



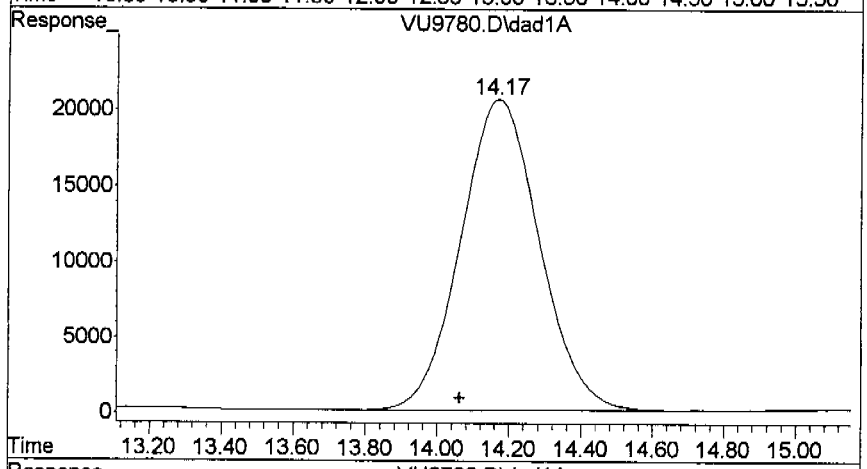
#10 p-Nitrotoluene

R.T.: 12.185 min
Delta R.T.: 0.073 min
Response: 2517356
Conc: 0.76 ug/ml



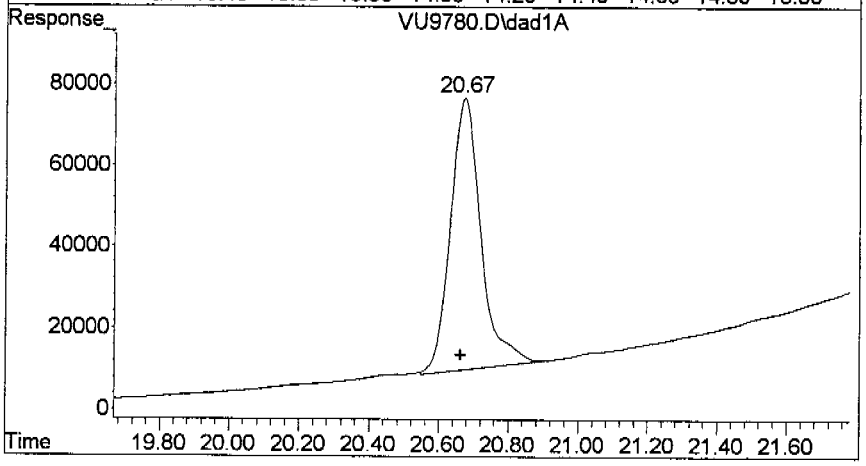
#11 m-Nitrotoluene

R.T.: 12.666 min
Delta R.T.: 0.080 min
Response: 3482826
Conc: 0.77 ug/ml



#12 2,6-Dinitrotoluene

R.T.: 14.172 min
Delta R.T.: 0.110 min
Response: 3115396
Conc: 0.89 ug/ml



#16 Tetryl

R.T.: 20.672 min
Delta R.T.: 0.009 min
Response: 4059813
Conc: 1.22 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9781.D\dad1B.ch Vial: 15
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9781.D\dad1A.ch
Acq On : 21-Aug-2004, 13:54:27 Operator: caobinz
Sample : ic326-0.25,B 0.25 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:55 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:53:22 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.19	925980	0.238 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	4.76%#
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	11.03	1947354	0.532 ug/ml
8) 4-Amino-2,6-Dinitrotoluene	11.03	1947354	0.529 ug/ml
9) o-Nitrotoluene	11.81	678422	0.211 ug/ml
10) p-Nitrotoluene	12.19	662590	0.216 ug/ml
11) m-Nitrotoluene	12.67	883953	0.211 ug/ml
12) 2,6-Dinitrotoluene	14.14	773937	0.230 ug/mlm
16) Tetryl	20.69	1034088	0.293 ug/mlm

8/22/04

8/22/04

S

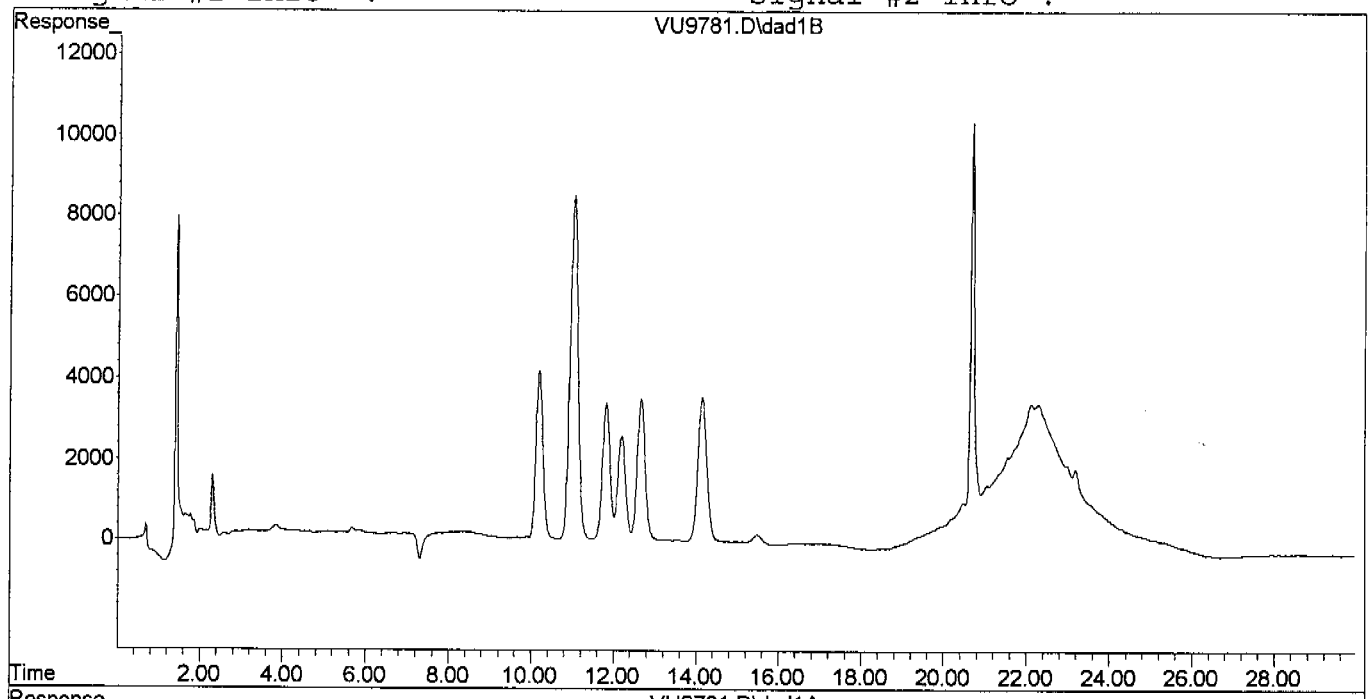
(f)=RT Delta > 1/2 Window (m)=manual int.

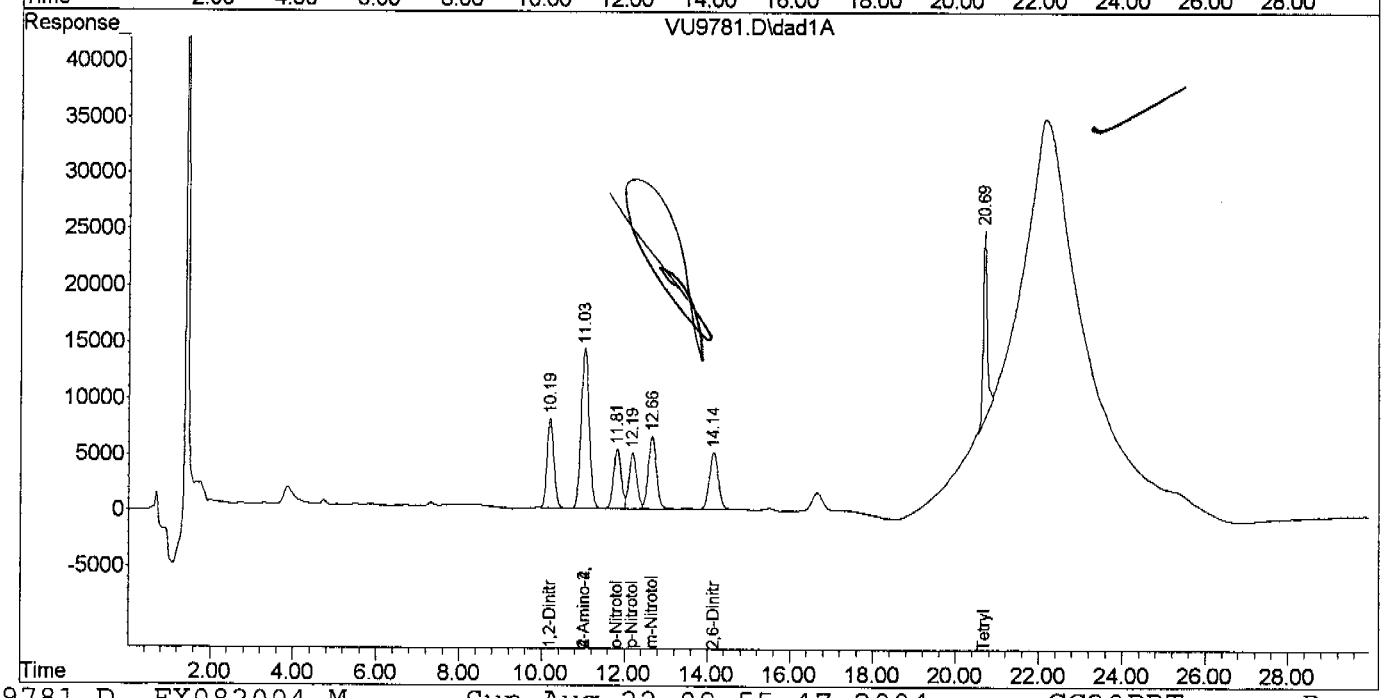
Quantitation Report (QT Reviewed)

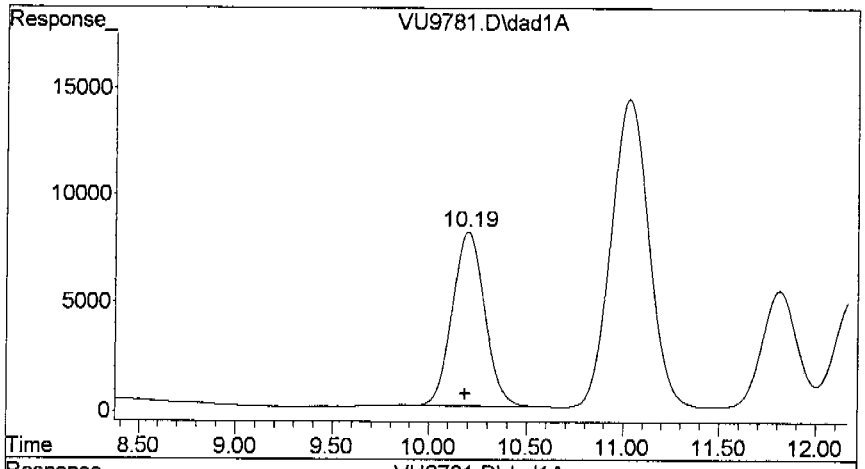
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9781.D\dad1B.ch Vial: 15
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9781.D\dad1A.ch
Acq On : 21-Aug-2004, 13:54:27 Operator: caobinz
Sample : ic326-0.25,B 0.25 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:55 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:53:22 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

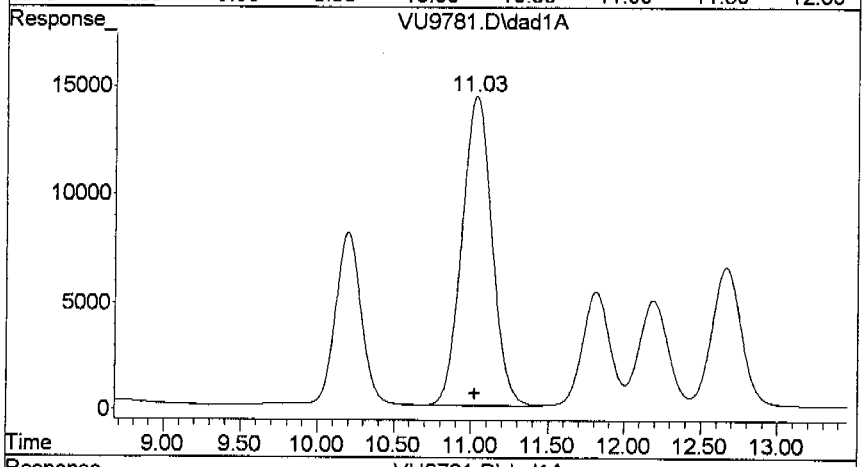






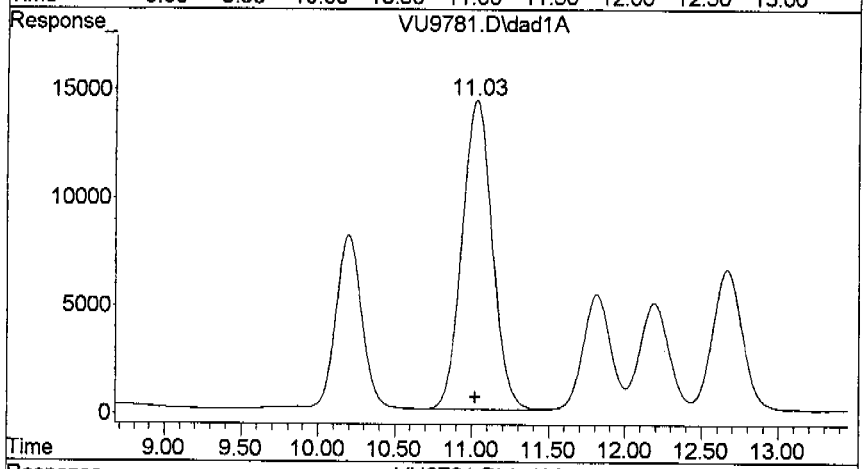
#5 1,2-Dinitrobenzene

R.T.: 10.195 min
Delta R.T.: 0.011 min
Response: 925980
Conc: 0.24 ug/ml m



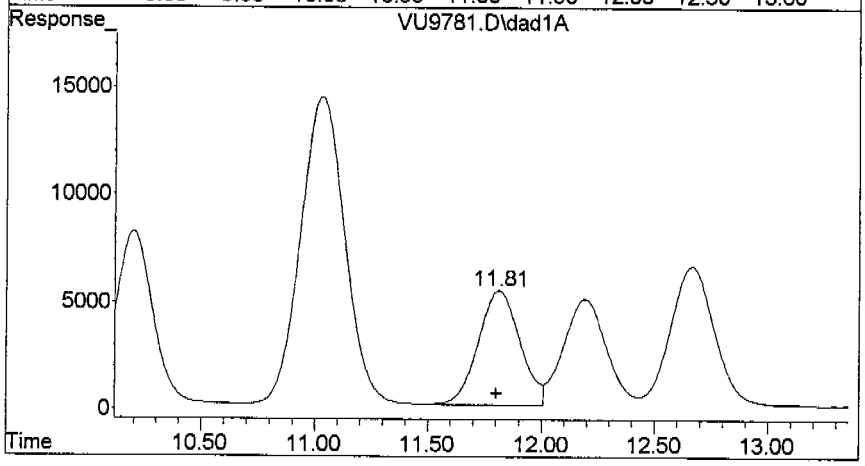
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 11.030 min
Delta R.T.: 0.007 min
Response: 1947354
Conc: 0.53 ug/ml



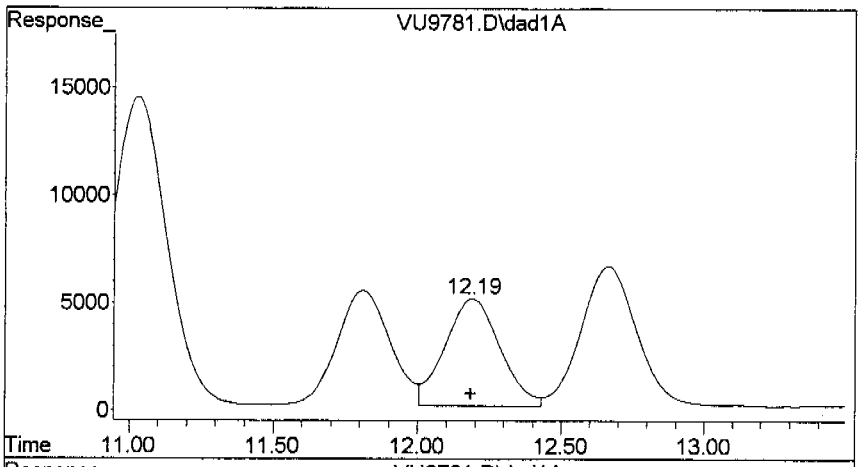
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 11.030 min
Delta R.T.: 0.007 min
Response: 1947354
Conc: 0.53 ug/ml



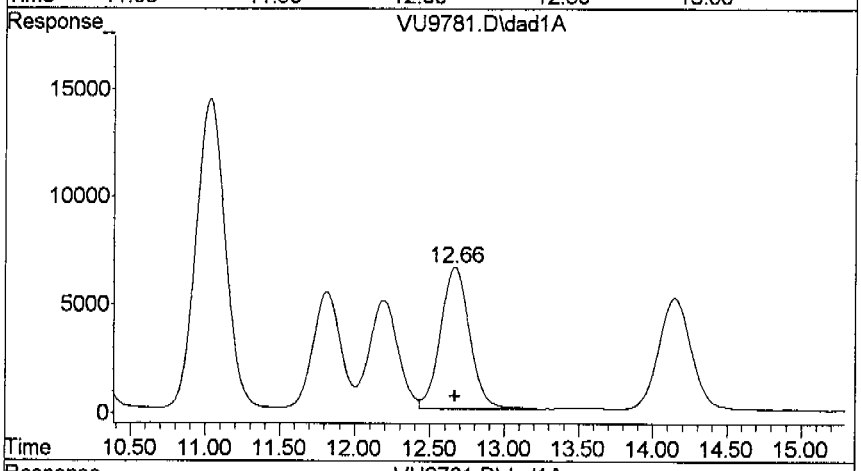
#9 o-Nitrotoluene

R.T.: 11.812 min
Delta R.T.: 0.012 min
Response: 678422
Conc: 0.21 ug/ml



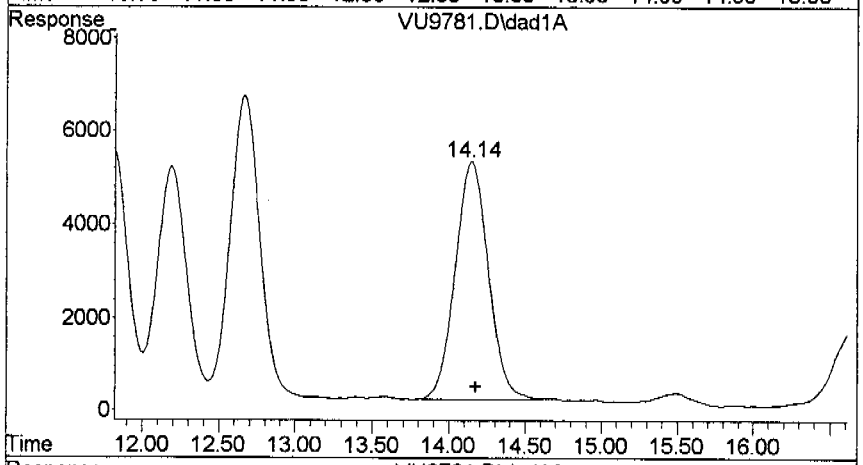
#10 p-Nitrotoluene

R.T.: 12.191 min
Delta R.T.: 0.006 min
Response: 662590
Conc: 0.22 ug/ml



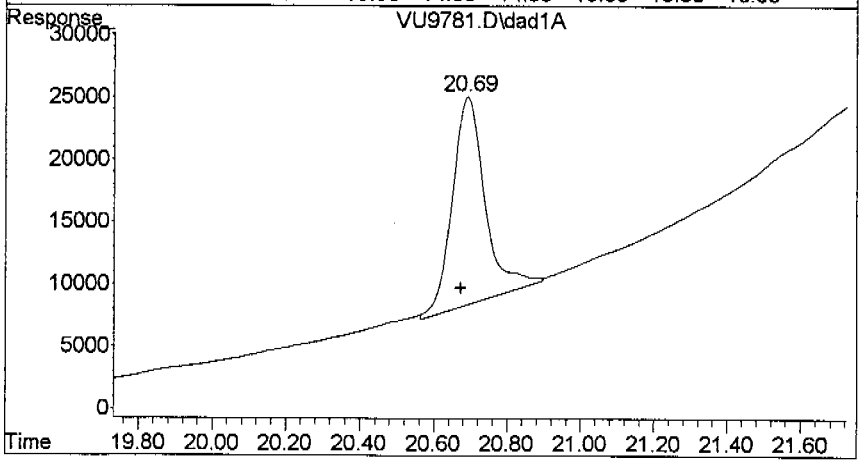
#11 m-Nitrotoluene

R.T.: 12.666 min
Delta R.T.: 0.000 min
Response: 883953
Conc: 0.21 ug/ml



#12 2,6-Dinitrotoluene

R.T.: 14.144 min
Delta R.T.: -0.028 min
Response: 773937
Conc: 0.23 ug/ml m



#16 Tetryl

R.T.: 20.690 min
Delta R.T.: 0.018 min
Response: 1034088
Conc: 0.29 ug/ml m

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9782.D\dad1B.ch Vial: 16
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9782.D\dad1A.ch
Acq On : 21-Aug-2004, 14:26:24 Operator: caobinz
Sample : ic326-0.05,B 0.05 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:57 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:55:38 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.14	195321	0.051 ug/mlm
Spiked Amount 5.000 Range 24 - 143 Recovery = 1.02%#			
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	10.96	411586	0.109 ug/mlm
8) 4-Amino-2,6-Dinitrotoluene	10.96	411647	0.109 ug/mlm
9) o-Nitrotoluene	11.76	144715	0.049 ug/ml
10) p-Nitrotoluene	12.13	165175	0.059 ug/ml
11) m-Nitrotoluene	12.61	179993	0.047 ug/mlm
12) 2,6-Dinitrotoluene	14.07	159259	0.049 ug/mlm
16) Tetryl	20.65	165730	0.043 ug/mlm

08/22/04

8/22/04

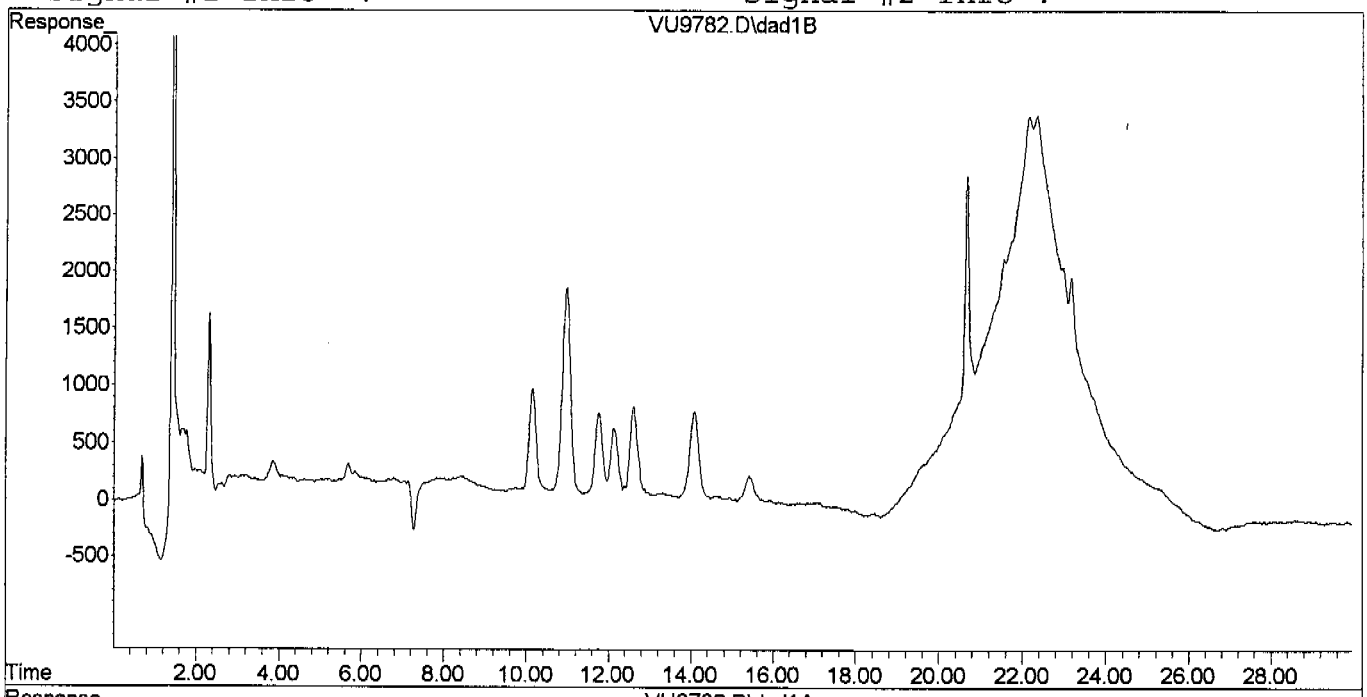
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9782.D EX082004.M Sun Aug 22 09:57:40 2004 GC20PRT Page 1

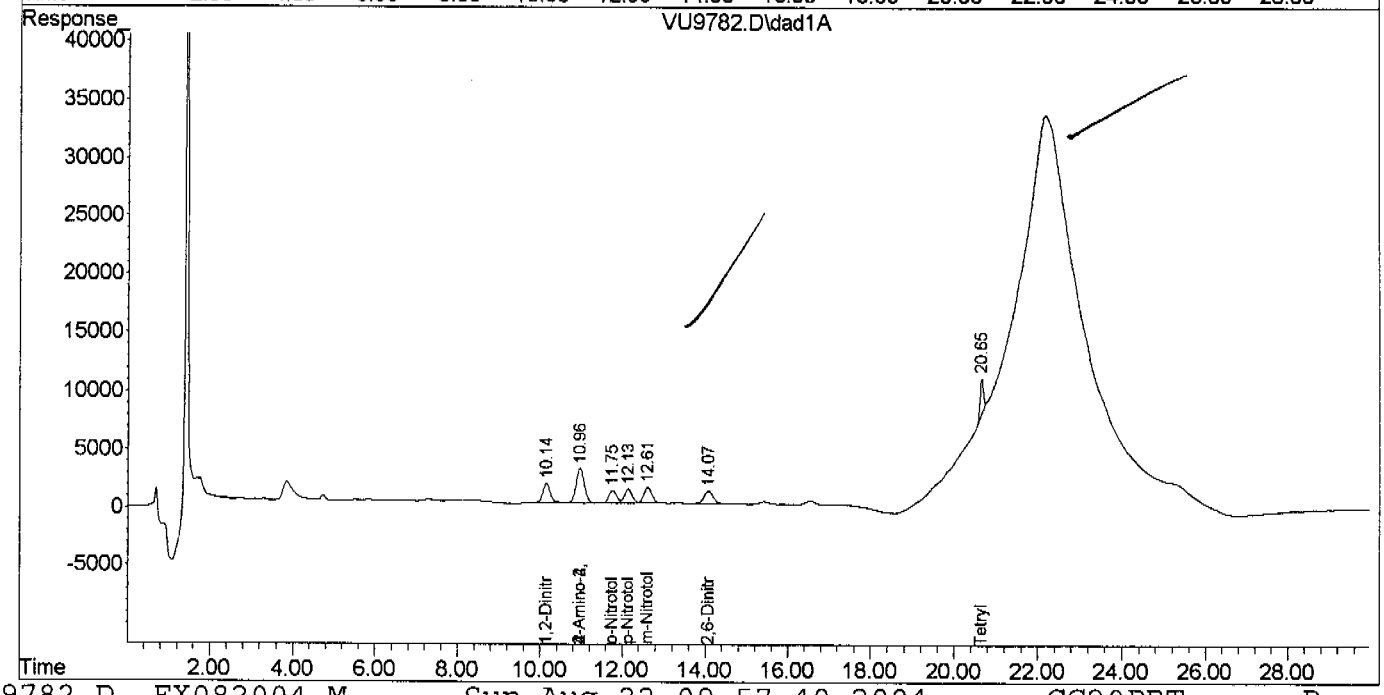
Quantitation Report (QT Reviewed)

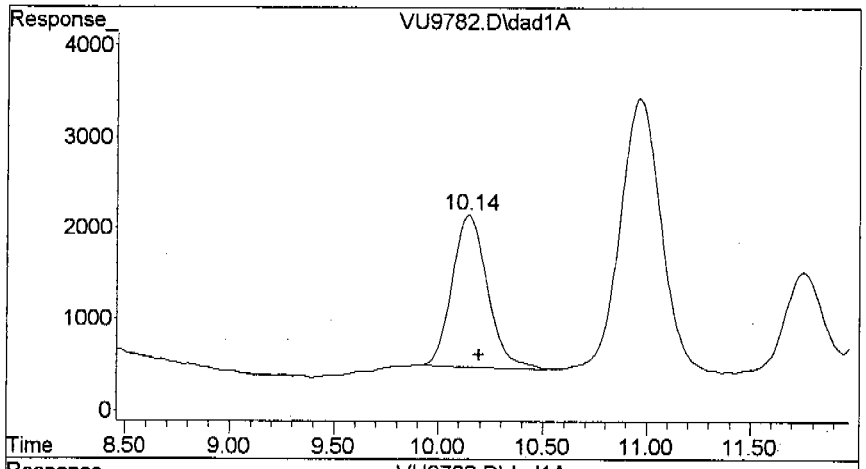
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9782.D\dad1B.ch Vial: 16
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9782.D\dad1A.ch
Acq On : 21-Aug-2004, 14:26:24 Operator: caobinz
Sample : ic326-0.05,B 0.05 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 9:57 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:55:38 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

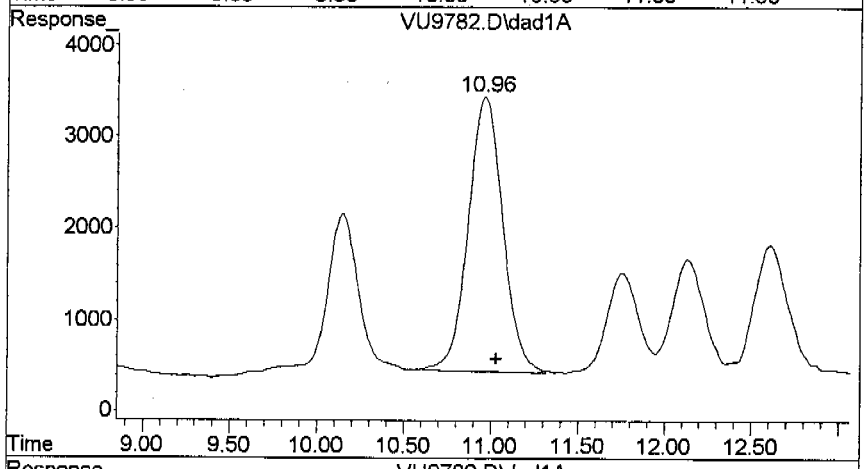






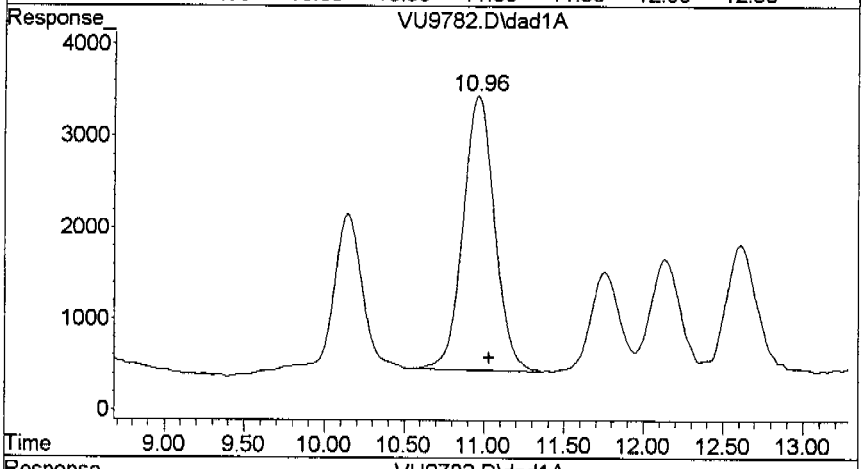
#5 1,2-Dinitrobenzene

R.T.: 10.143 min
Delta R.T.: -0.052 min
Response: 195321
Conc: 0.05 ug/ml m



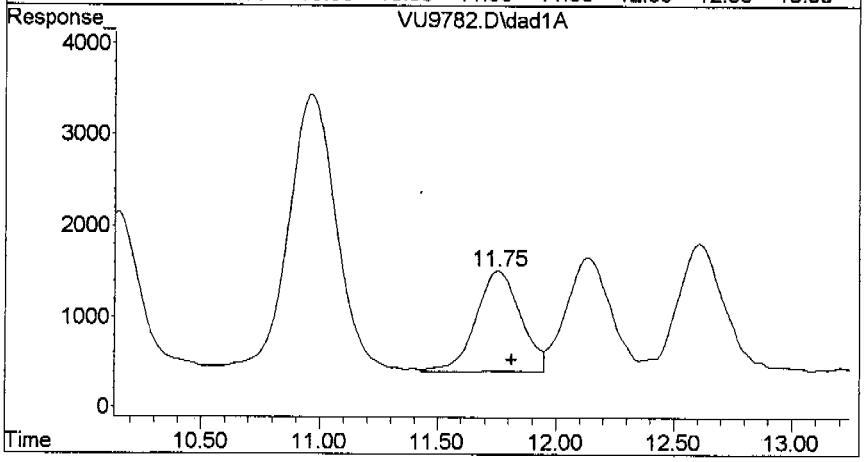
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 10.961 min
Delta R.T.: -0.069 min
Response: 411586
Conc: 0.11 ug/ml m



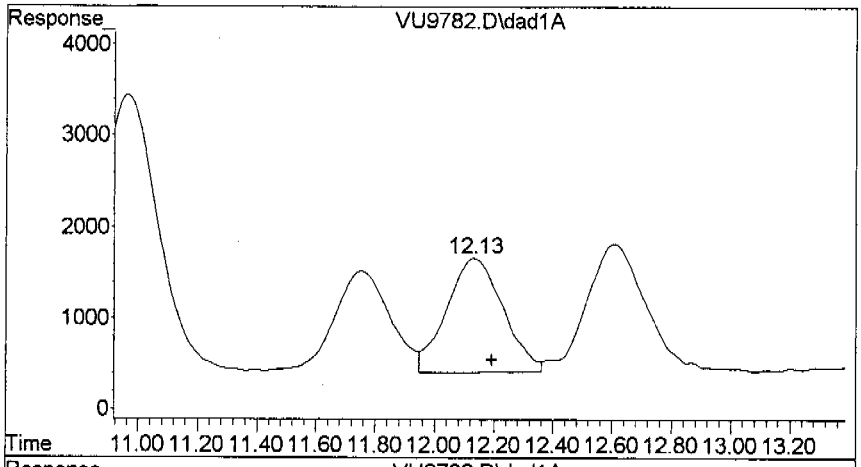
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 10.961 min
Delta R.T.: -0.069 min
Response: 411647
Conc: 0.11 ug/ml m



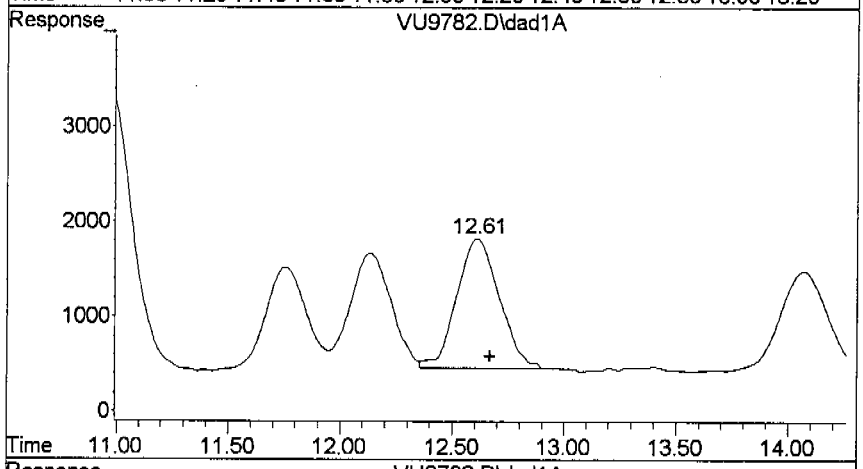
#9 o-Nitrotoluene

R.T.: 11.755 min
Delta R.T.: -0.057 min
Response: 144715
Conc: 0.05 ug/ml



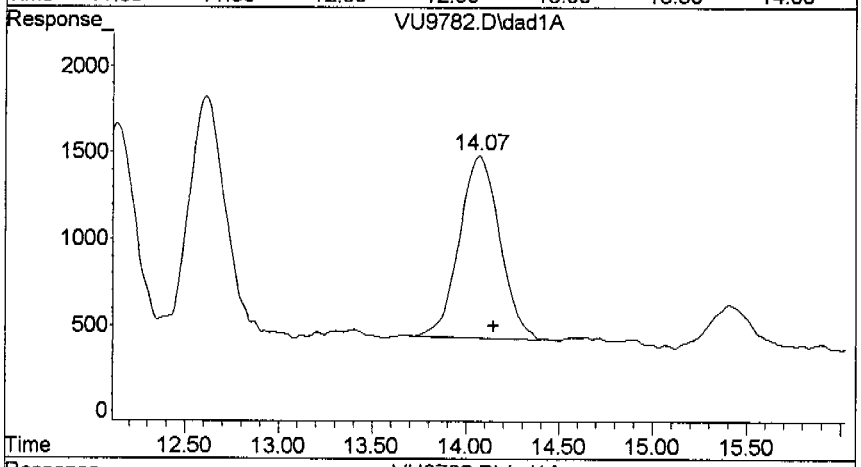
#10 p-Nitrotoluene

R.T.: 12.134 min
Delta R.T.: -0.056 min
Response: 165175
Conc: 0.06 ug/ml



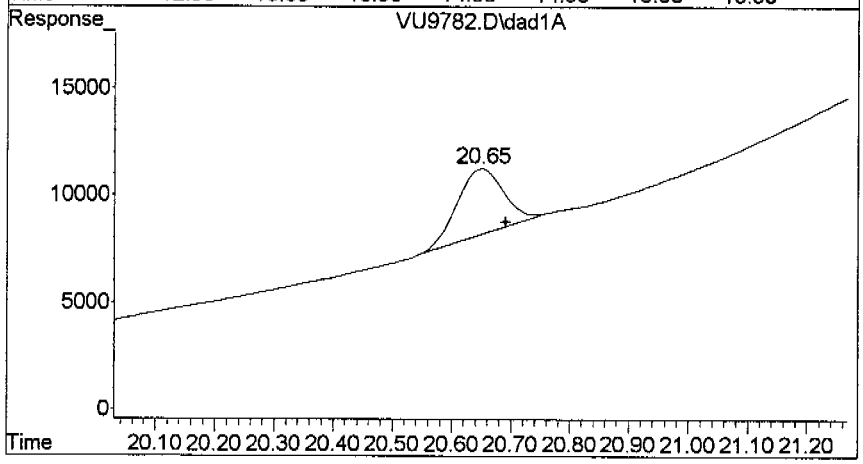
#11 m-Nitrotoluene

R.T.: 12.607 min
Delta R.T.: -0.058 min
Response: 179993
Conc: 0.05 ug/ml m



#12 2,6-Dinitrotoluene

R.T.: 14.069 min
Delta R.T.: -0.075 min
Response: 159259
Conc: 0.05 ug/ml m



#16 Tetryl

R.T.: 20.648 min
Delta R.T.: -0.042 min
Response: 165730
Conc: 0.04 ug/ml m

Evaluate Continuing Calibration Report

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1B.ch Vial: 7
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1A.ch
Acq On : 21-Aug-2004, 16:21:55 Operator: caobinz
Sample : icv326-5,A 5,icv Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:57:33 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2	RDX	3.248	2.949 E6	9.2	96	0.16
3	Nitrobenzene	2.677	2.684 E6	-0.3	97	0.16
4	HMX	3.782	3.762 E6	0.5	97	0.22
5 s	1,2-Dinitrobenzene	3.794	3.733 E6	1.6	98	0.11
6	1,3-Dinitrobenzene	3.418	3.222 E6	5.7	95	0.23
13	2,4-Dinitrotoluene	2.871	2.812 E6	2.1	96	0.38
14	1,3,5-Trinitrobenzene	5.884	5.260 E6	10.6	88	0.39
15	2,4,6-Trinitrotoluene	4.214	3.977 E6	5.6	93	0.15

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1B.ch Vial: 7
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1A.ch
Acq On : 21-Aug-2004, 16:21:55 Operator: caobinz
Sample : icv326-5,A 5,icv Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:57:33 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
7	2-Amino-4,6-Dinitrotoluene	3.988	0.000 E6	100.0#	0#	-10.96#
8	4-Amino-2,6-Dinitrotoluene	3.985	0.000 E6	100.0#	0#	-10.96#
9	o-Nitrotoluene	2.754	0.000 E6	100.0#	0#	-11.76#
10	p-Nitrotoluene	2.716	0.000 E6	100.0#	0#	-12.13#
11	m-Nitrotoluene	3.556	0.000 E6	100.0#	0#	-12.61#
12	2,6-Dinitrotoluene	3.158	0.000 E6	100.0#	0#	-14.07#
16	Tetryl	3.987	0.000 E6	100.0#	0#	-20.65#
17	PETN	1.291	0.000 E6	100.0#	0#	-22.02#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
VU9778.D EX082004.M Sun Aug 22 10:03:19 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1B.ch Vial: 7
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1A.ch
Acq On : 21-Aug-2004, 16:21:55 Operator: caobinz
Sample : icv326-5,A 5,icv Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:02 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:57:33 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.25	18664271	4.919 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	98.38%
Target Compounds			
2) RDX	7.40	14745885	4.539 ug/mlm
3) Nitrobenzene	8.66	13418276	5.013 ug/mlm
4) HMX	8.91	18808652	4.974 ug/mlm
6) 1,3-Dinitrobenzene	10.97	16109181	4.714 ug/mlm
13) 2,4-Dinitrotoluene	15.14	14060532	4.898 ug/mlm
14) 1,3,5-Trinitrobenzene	17.34	26300325	4.470 ug/mlm
15) 2,4,6-Trinitrotoluene	20.58	19883178	4.718 ug/mlm

08/22/04

8/22/04

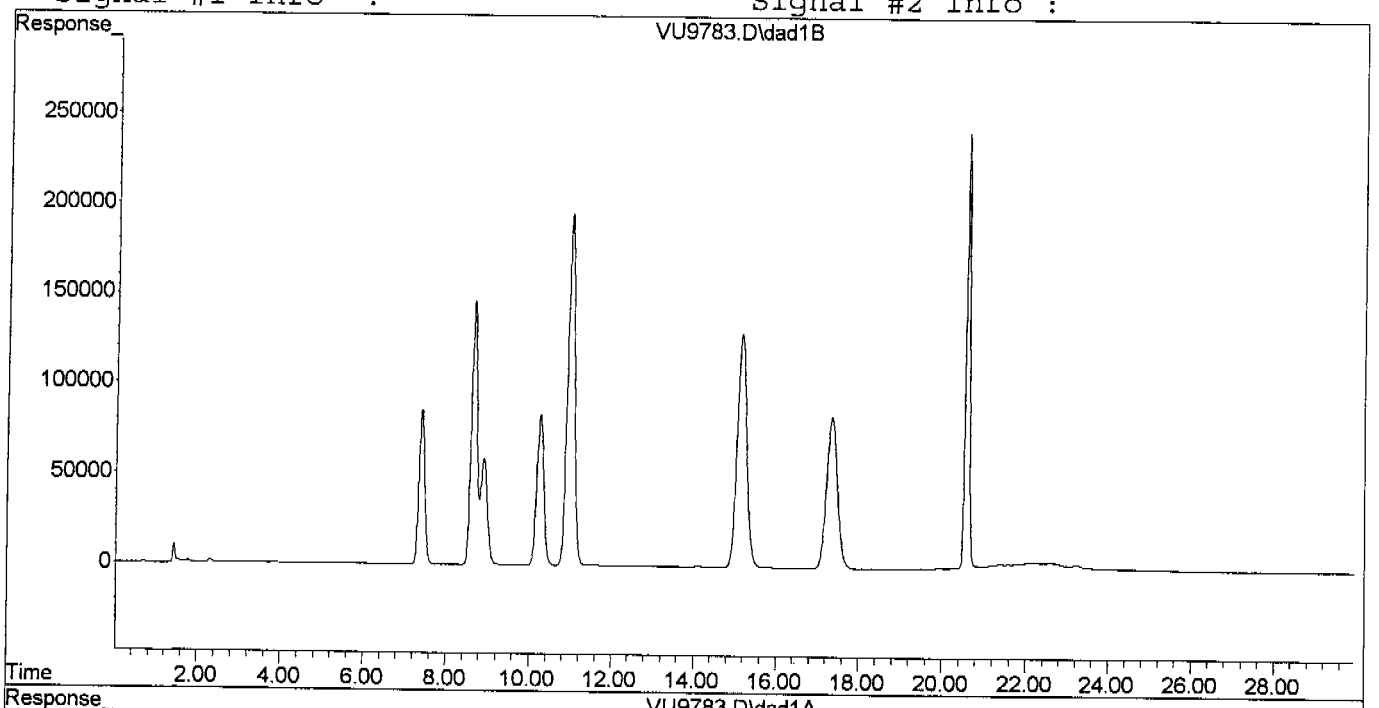
(f)=RT Delta > 1/2 Window (m)=manual int.

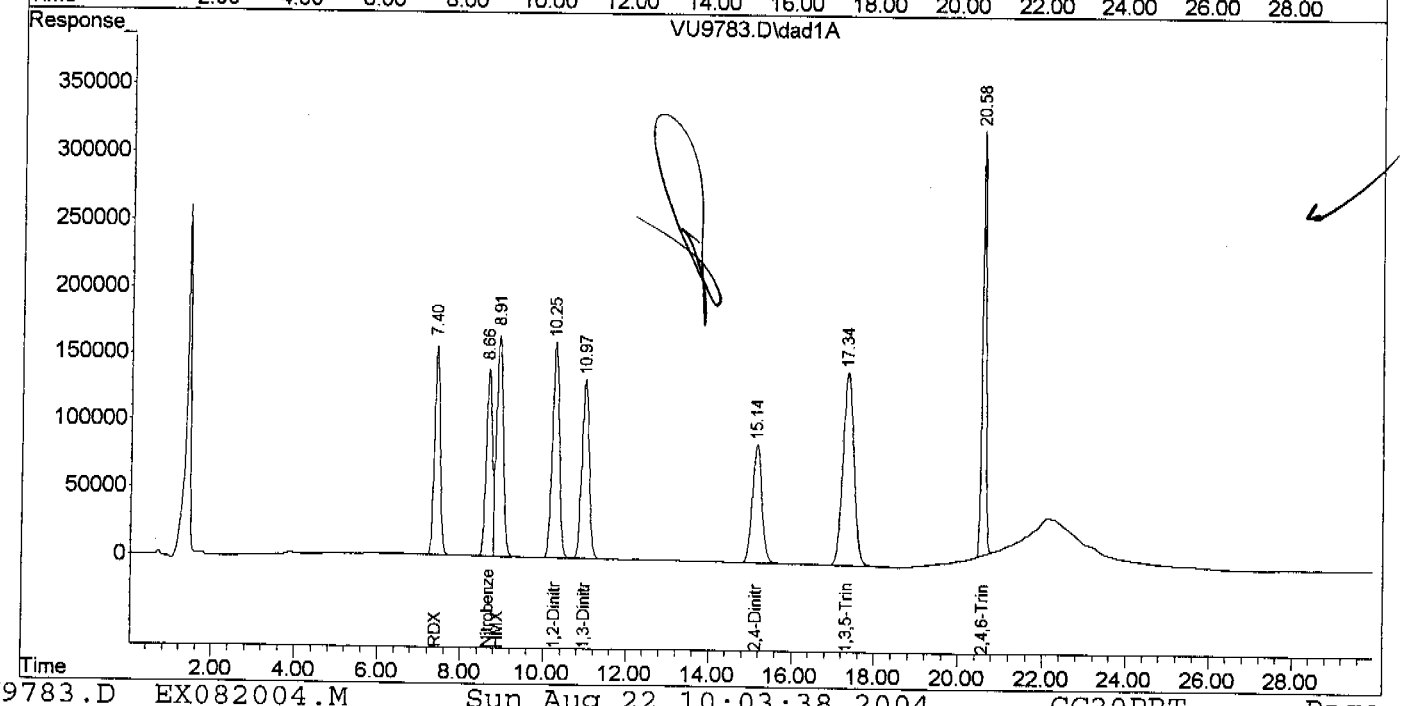
Quantitation Report (QT Reviewed)

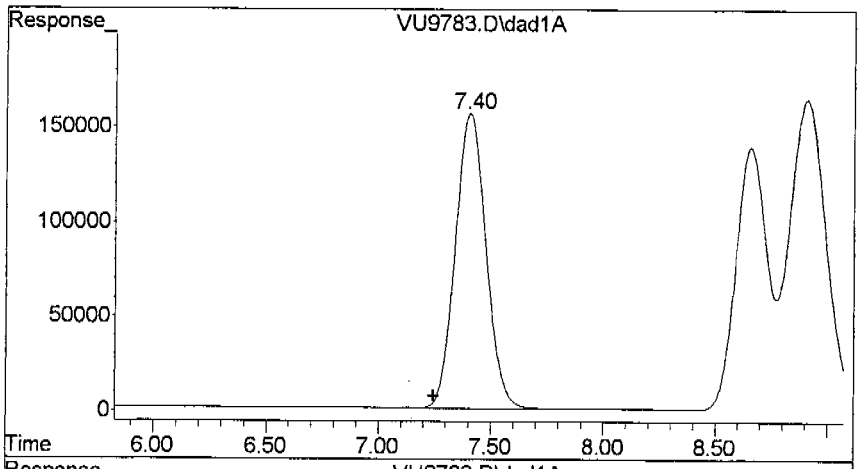
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1B.ch Vial: 7
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9783.D\dad1A.ch
Acq On : 21-Aug-2004, 16:21:55 Operator: caobinz
Sample : icv326-5,A 5,icv Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:02 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 09:57:33 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

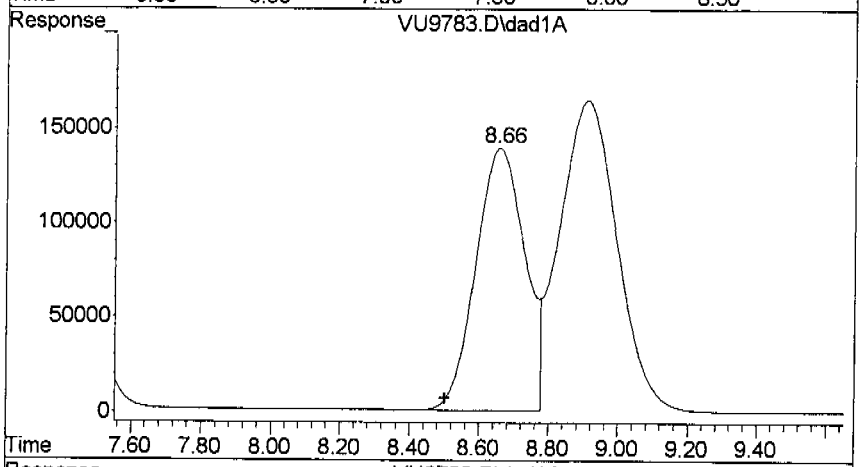






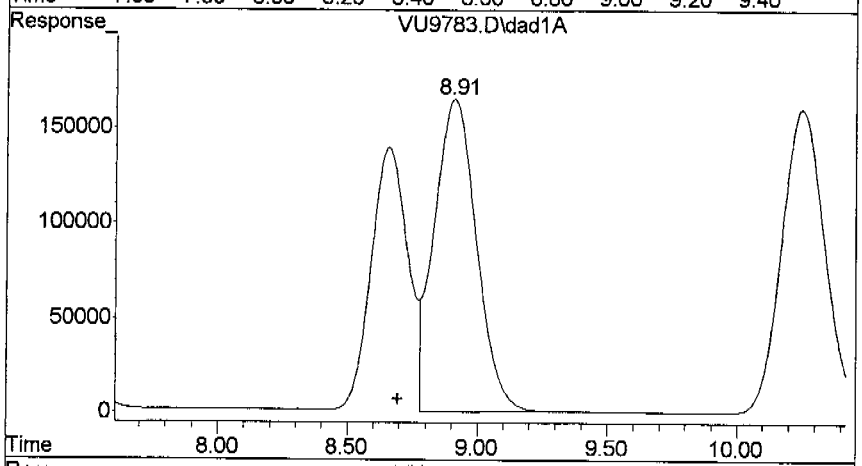
#2 RDX

R.T.: 7.402 min
Delta R.T.: 0.159 min
Response: 14745885
Conc: 4.54 ug/ml m



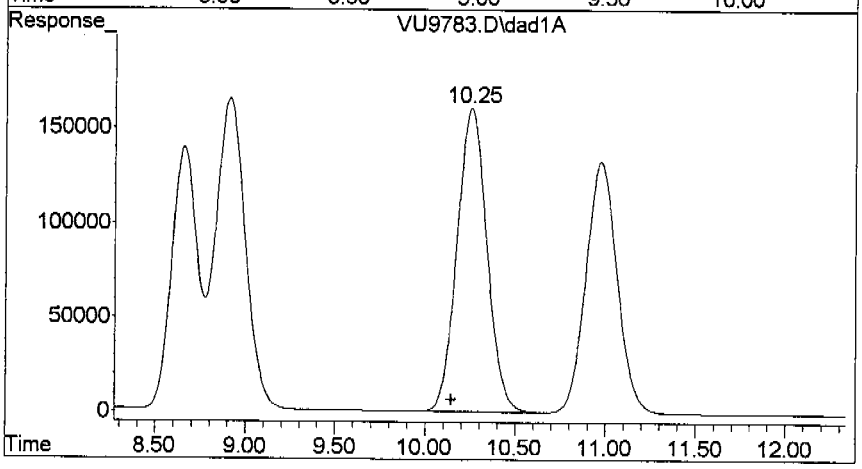
#3 Nitrobenzene

R.T.: 8.656 min
Delta R.T.: 0.156 min
Response: 13418276
Conc: 5.01 ug/ml m



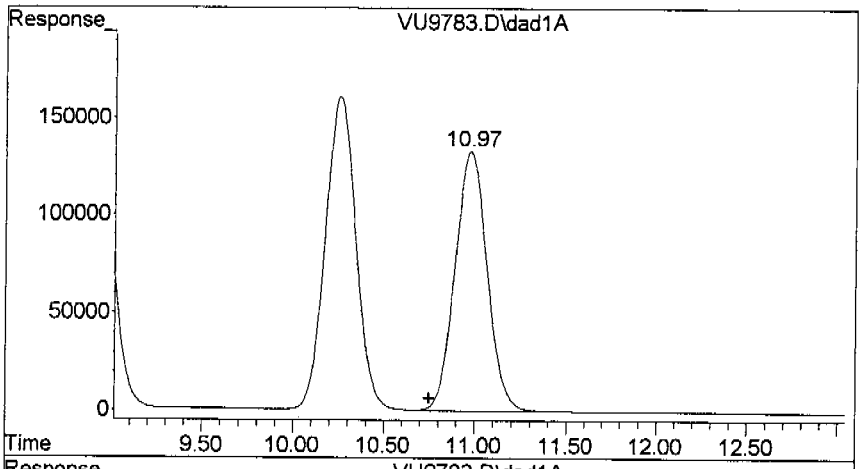
#4 HMX

R.T.: 8.908 min
Delta R.T.: 0.216 min
Response: 18808652
Conc: 4.97 ug/ml m



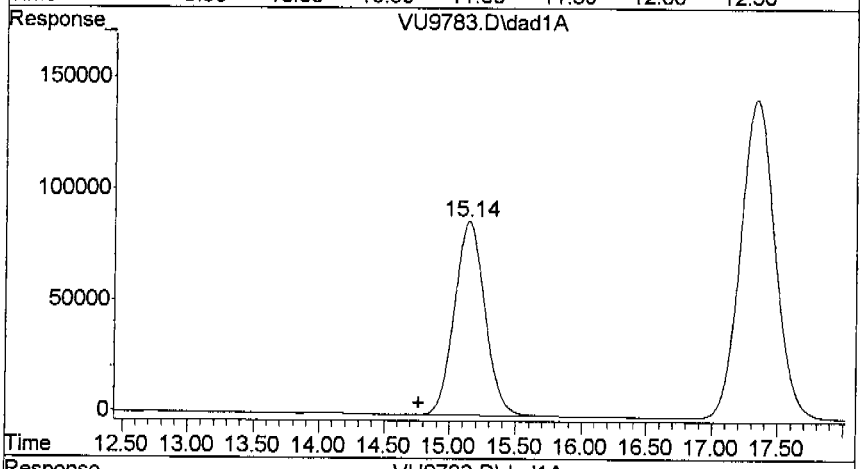
#5 1,2-Dinitrobenzene

R.T.: 10.251 min
Delta R.T.: 0.108 min
Response: 18664271
Conc: 4.92 ug/ml m



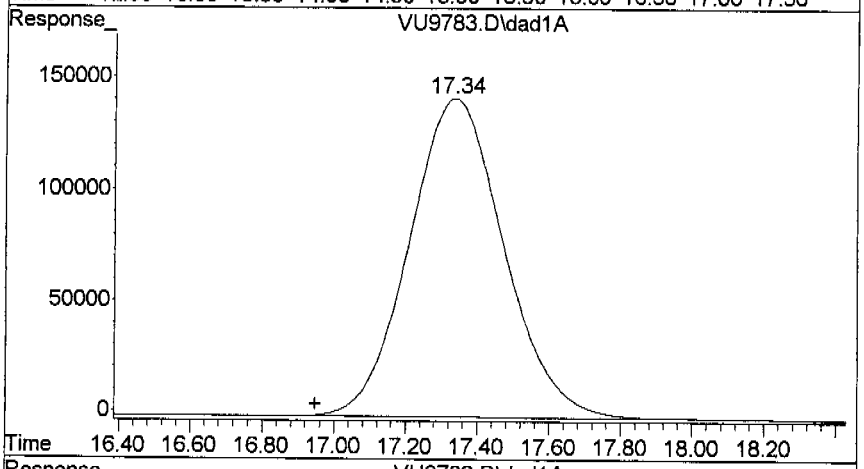
#6 1,3-Dinitrobenzene

R.T.: 10.972 min
Delta R.T.: 0.225 min
Response: 16109181
Conc: 4.71 ug/ml m



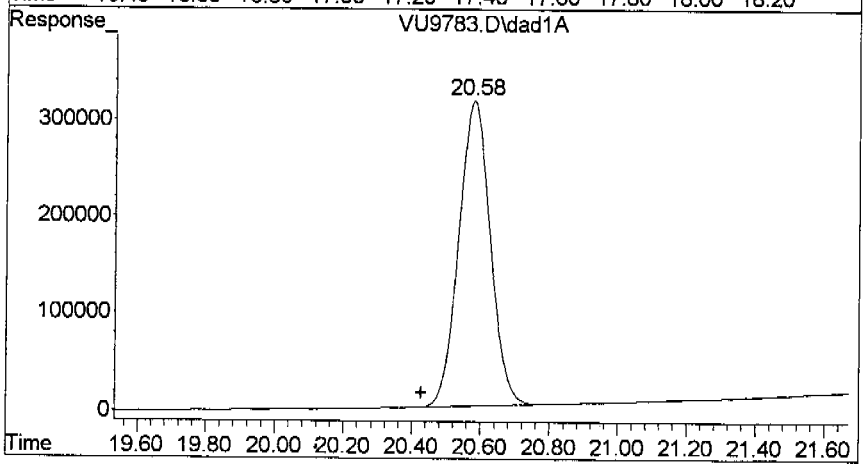
#13 2,4-Dinitrotoluene

R.T.: 15.141 min
Delta R.T.: 0.380 min
Response: 14060532
Conc: 4.90 ug/ml m



#14 1,3,5-Trinitrobenzene

R.T.: 17.335 min
Delta R.T.: 0.388 min
Response: 26300325
Conc: 4.47 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.579 min
Delta R.T.: 0.152 min
Response: 19883178
Conc: 4.72 ug/ml m

Evaluate Continuing Calibration Report

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1B.ch Vial: 17
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1A.ch
Acq On : 21-Aug-2004, 17:25:51 Operator: caobinz
Sample : icv326-5,B 5,icv 8/21 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:03:57 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

08/22/04

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
5 s	1,2-Dinitrobenzene	3.794	3.752 E6	1.1	99	0.04
7	2-Amino-4,6-Dinitrotoluene	3.988	3.945 E6	1.1	100	0.19
8	4-Amino-2,6-Dinitrotoluene	3.985	3.945 E6	1.0	100	0.19
9	o-Nitrotoluene	2.754	2.737 E6	0.6	100	0.17
10	p-Nitrotoluene	2.716	2.469 E6	9.1	96	0.18
11	m-Nitrotoluene	3.556	3.531 E6	0.7	100	0.19
12	2,6-Dinitrotoluene	3.158	3.102 E6	1.8	98	0.24
16	Tetryl	3.987	4.512 E6	-13.2	109	0.11

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1B.ch Vial: 17
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1A.ch
Acq On : 21-Aug-2004, 17:25:51 Operator: caobinz
Sample : icv326-5,B 5,icv 8/21 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:03:57 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2	RDX	3.248	0.000 E6	100.0#	0#	-7.40#
3	Nitrobenzene	2.677	0.000 E6	100.0#	0#	-8.66#
4	HMX	3.782	0.000 E6	100.0#	0#	-8.91#
6	1,3-Dinitrobenzene	3.418	0.000 E6	100.0#	0#	-10.97#
13	2,4-Dinitrotoluene	2.871	0.000 E6	100.0#	0#	-15.14#
14	1,3,5-Trinitrobenzene	5.884	0.000 E6	100.0#	0#	-17.34#
15	2,4,6-Trinitrotoluene	4.214	0.000 E6	100.0#	0#	-20.58#
17	PETN	1.291	0.000 E6	100.0#	0#	-22.02#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
VU9783.D EX082004.M Sun Aug 22 10:06:06 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1B.ch Vial: 17
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1A.ch
Acq On : 21-Aug-2004, 17:25:51 Operator: caobinz
Sample : icv326-5,B 5,icv 8/21 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:05 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:03:57 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.29	18758126	4.944 ug/ml
Spiked Amount 5.000 Range 24 - 143		Recovery =	98.88%
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	11.16	39453238	9.894 ug/ml
8) 4-Amino-2,6-Dinitrotoluene	11.16	39453238	9.899 ug/ml
9) o-Nitrotoluene	11.92	13685484	4.969 ug/ml
10) p-Nitrotoluene	12.31	12347357	4.546 ug/ml
11) m-Nitrotoluene	12.79	17656377	4.966 ug/ml
12) 2,6-Dinitrotoluene	14.31	15509841	4.911 ug/mlm
16) Tetryl	20.76	22558629	5.658 ug/mlm

08/22/04

8/25/04

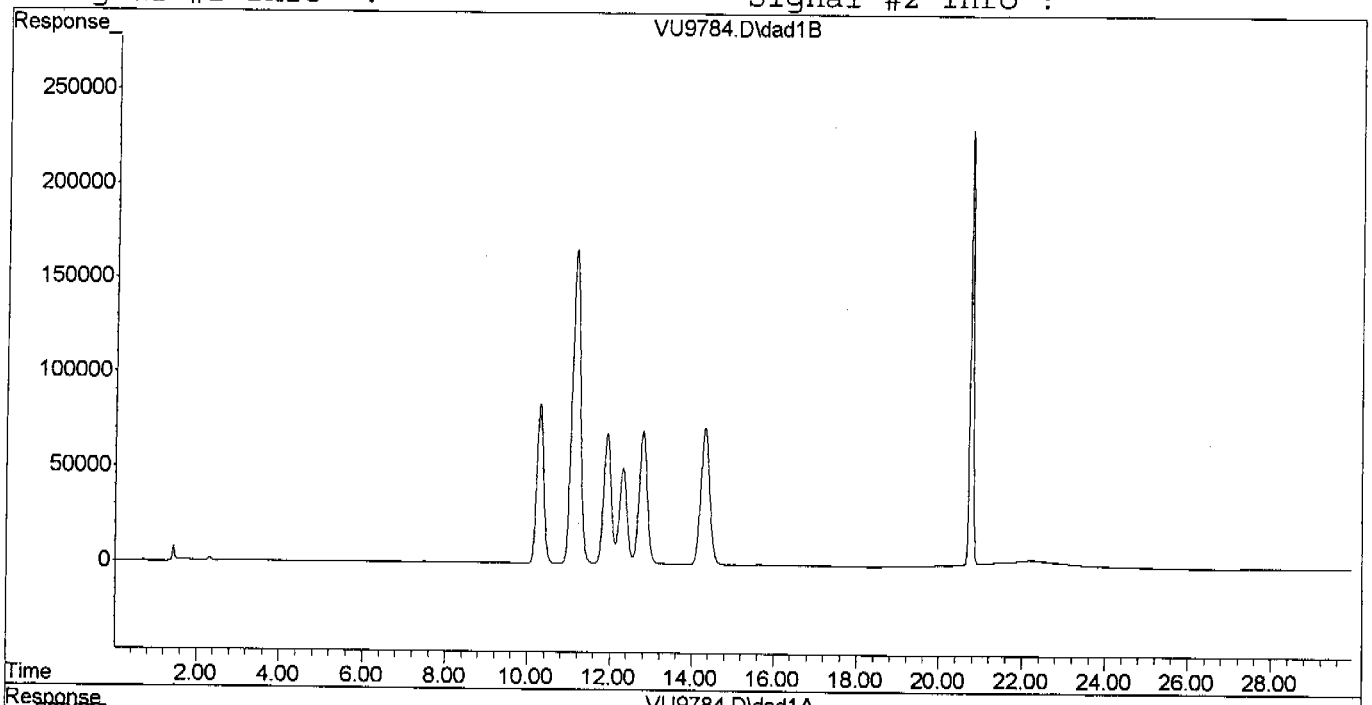
(f)=RT Delta > 1/2 Window (m)=manual int.

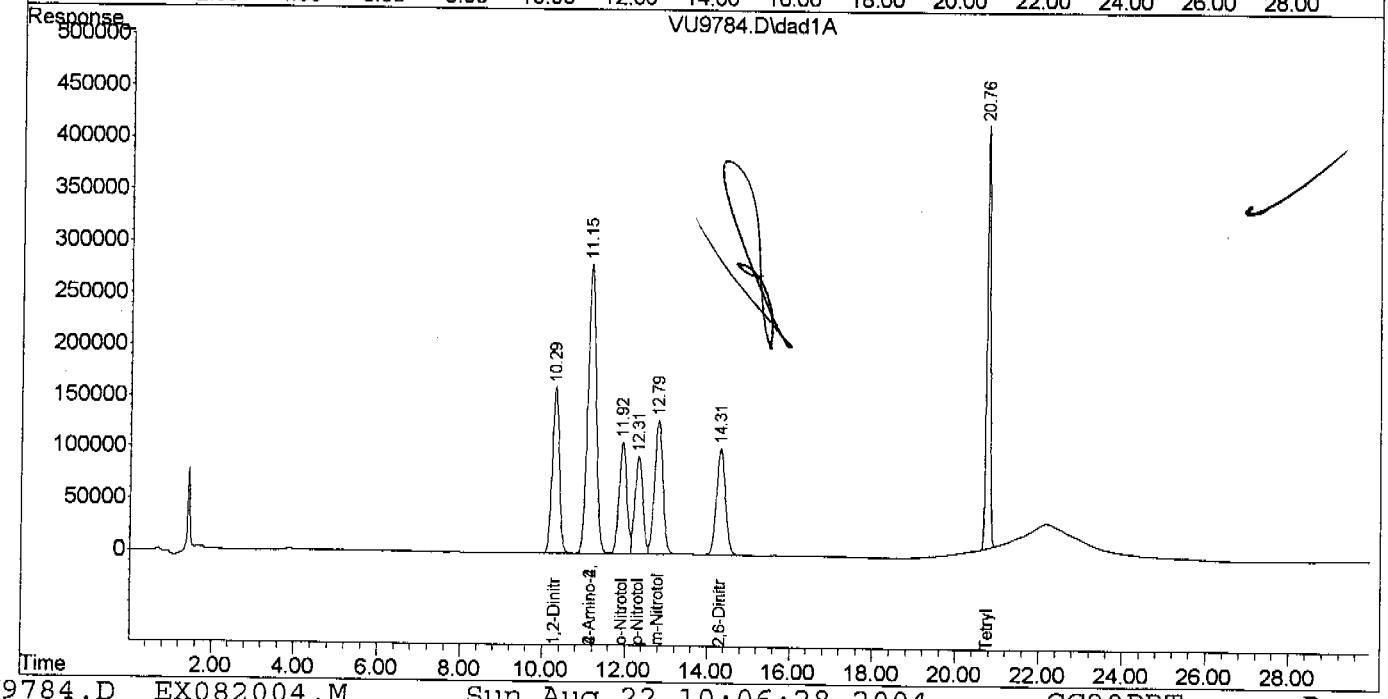
Quantitation Report (QT Reviewed)

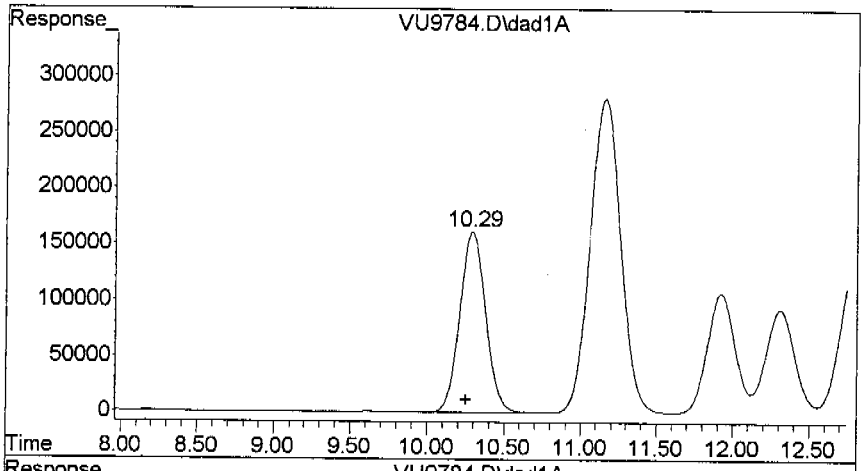
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1B.ch Vial: 17
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9784.D\dad1A.ch
Acq On : 21-Aug-2004, 17:25:51 Operator: caobinz
Sample : icv326-5,B 5,icv 8/21 Inst : G1315A
Misc : op7581,gvu326,1000,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:05 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:03:57 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

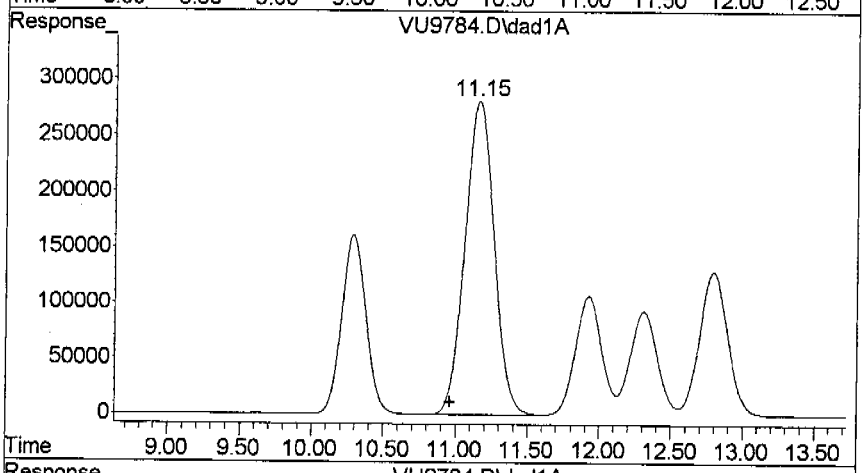






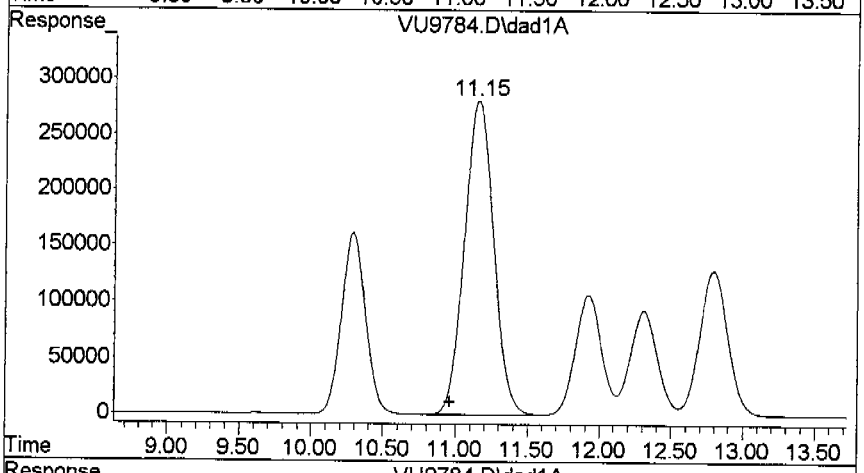
#5 1,2-Dinitrobenzene

R.T.: 10.291 min
Delta R.T.: 0.040 min
Response: 18758126
Conc: 4.94 ug/ml



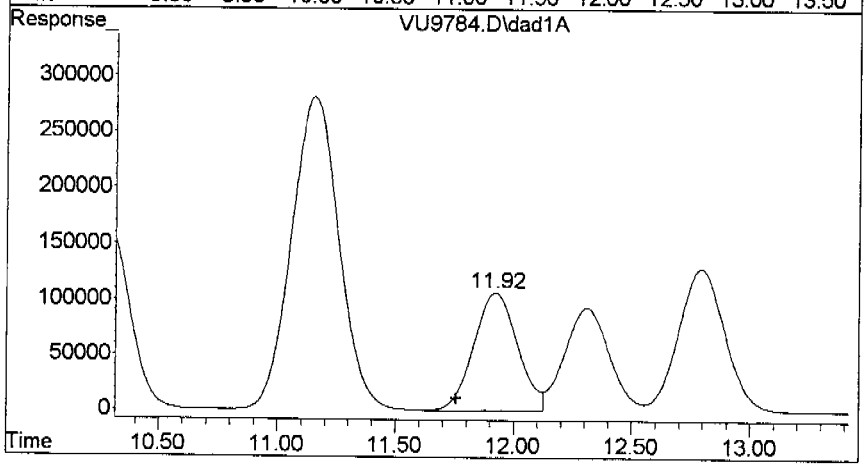
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 11.155 min
Delta R.T.: 0.194 min
Response: 39453238
Conc: 9.89 ug/ml



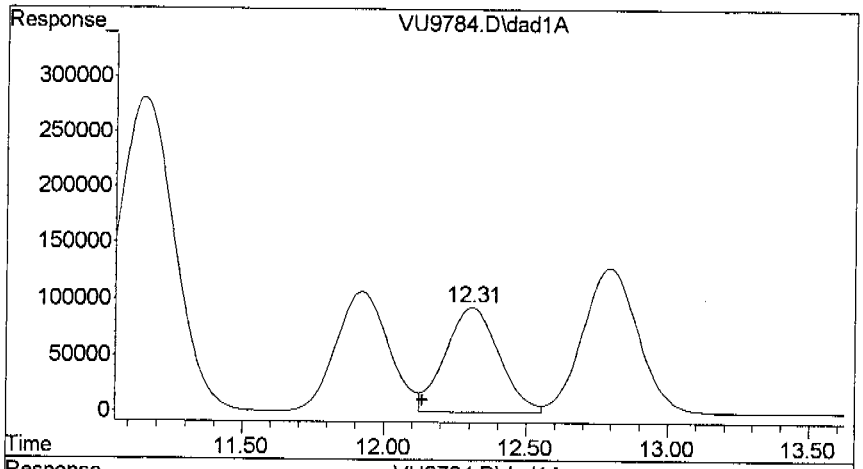
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 11.155 min
Delta R.T.: 0.194 min
Response: 39453238
Conc: 9.90 ug/ml



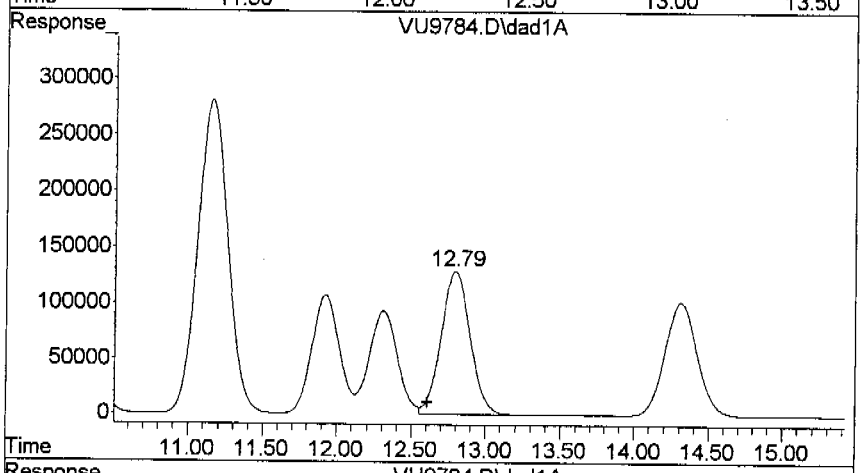
#9 o-Nitrotoluene

R.T.: 11.922 min
Delta R.T.: 0.167 min
Response: 13685484
Conc: 4.97 ug/ml



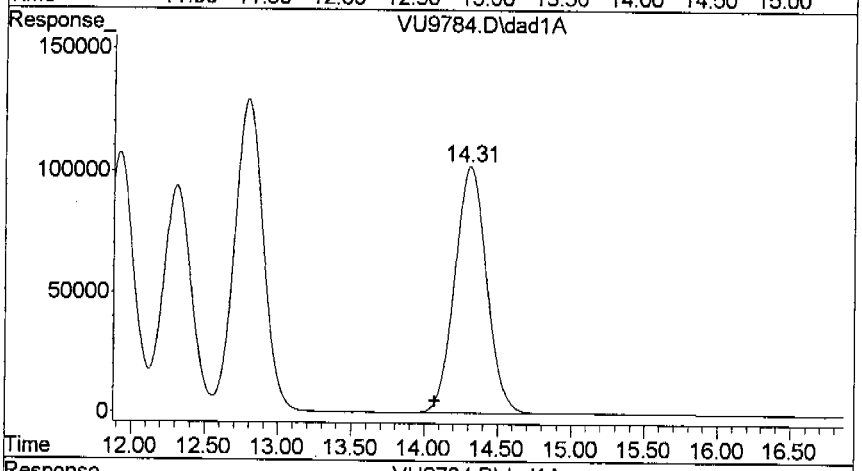
#10 p-Nitrotoluene

R.T.: 12.310 min
Delta R.T.: 0.175 min
Response: 12347357
Conc: 4.55 ug/ml



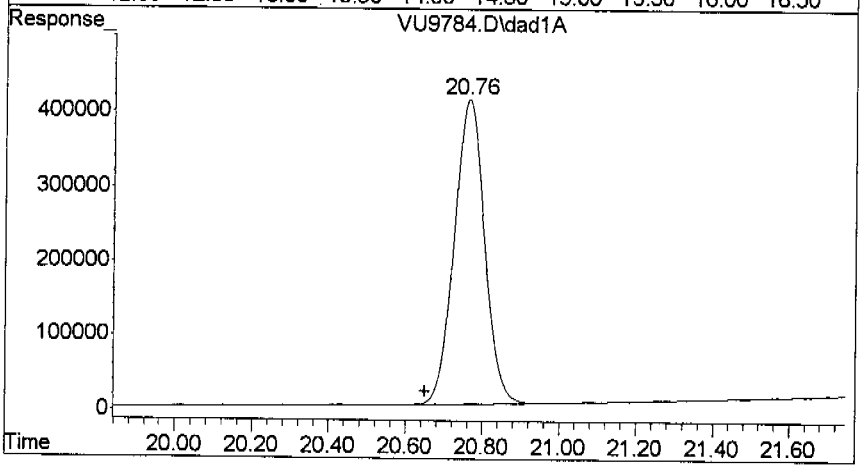
#11 m-Nitrotoluene

R.T.: 12.795 min
Delta R.T.: 0.187 min
Response: 17656377
Conc: 4.97 ug/ml



#12 2,6-Dinitrotoluene

R.T.: 14.308 min
Delta R.T.: 0.239 min
Response: 15509841
Conc: 4.91 ug/ml m



#16 Tetryl

R.T.: 20.762 min
Delta R.T.: 0.114 min
Response: 22558629
Conc: 5.66 ug/ml m

Calibration Verification Data

8330

(Test)

Evaluate Continuing Calibration Report

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1B.ch Vial: 3
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1A.ch
Acq On : 21-Aug-2004, 23:17:17 Operator: caobinz
Sample : cc326-2,A 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2	RDX	3.248	3.078 E6	5.2	100	-0.05
3	Nitrobenzene	2.677	2.871 E6	-7.2	105	-0.07
4	HMX	3.782	3.887 E6	-2.8	101	-0.09
5 s	1,2-Dinitrobenzene	3.794	3.932 E6	-3.6	103	-0.09
6	1,3-Dinitrobenzene	3.418	3.396 E6	0.6	100	-0.09
13	2,4-Dinitrotoluene	2.871	2.952 E6	-2.8	100	-0.10
14	1,3,5-Trinitrobenzene	5.884	5.994 E6	-1.9	101	-0.13
15	2,4,6-Trinitrotoluene	4.214	4.352 E6	-3.3	102	-0.05
17	PETN	1.291	1.393 E6	-7.9	100	0.05

8/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1B.ch Vial: 3
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1A.ch
Acq On : 21-Aug-2004, 23:17:17 Operator: caobinz
Sample : cc326-2,A 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator) 8/22/04
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
7	2-Amino-4,6-Dinitrotoluene	3.988	0.000 E6	100.0#	0#	-11.01#
8	4-Amino-2,6-Dinitrotoluene	3.985	0.000 E6	100.0#	0#	-11.01#
9	o-Nitrotoluene	2.754	0.000 E6	100.0#	0#	-11.92#
10	p-Nitrotoluene	2.716	0.000 E6	100.0#	0#	-12.31#
11	m-Nitrotoluene	3.556	0.000 E6	100.0#	0#	-12.79#
12	2,6-Dinitrotoluene	3.158	0.000 E6	100.0#	0#	-14.31#
16	Tetryl	3.987	0.000 E6	100.0#	0#	-20.60#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
VU9779.D EX082004.M Sun Aug 22 10:28:31 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1B.ch Vial: 3
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1A.ch
Acq On : 21-Aug-2004, 23:17:17 Operator: caobinz
Sample : cc326-2,A 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:28 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.20	7863851	2.073 ug/ml
Spiked Amount 5.000 Range 24 - 143		Recovery =	41.46%
Target Compounds			
2) RDX	7.38	6155854	1.895 ug/mlm
3) Nitrobenzene	8.62	5741217	2.145 ug/mlm
4) HMX	8.88	7773643	2.056 ug/ml
6) 1,3-Dinitrobenzene	10.92	6791878	1.987 ug/mlm
13) 2,4-Dinitrotoluene	15.07	5903830	2.057 ug/ml
14) 1,3,5-Trinitrobenzene	17.26	11988168	2.037 ug/mlm
15) 2,4,6-Trinitrotoluene	20.55	8703541	2.065 ug/mlm
17) PETN	22.07	2785609	2.158 ug/mlm

8/26/04

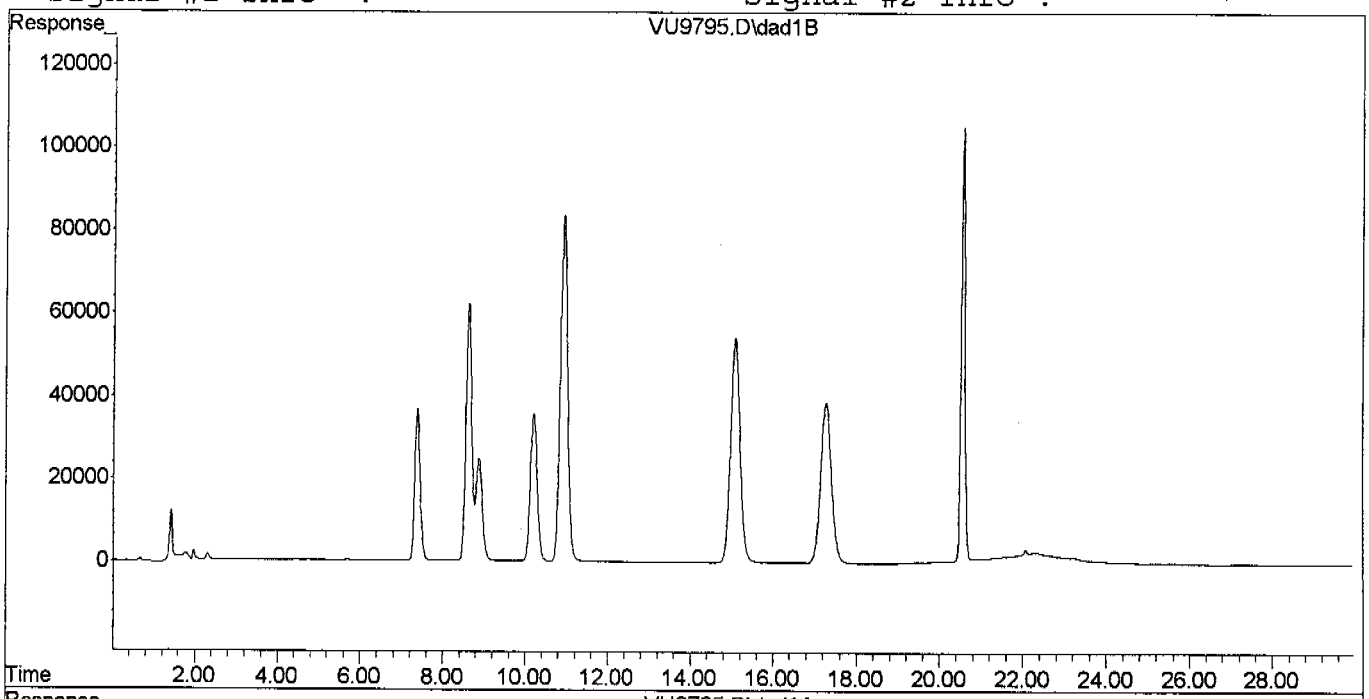
(f)=RT Delta > 1/2 Window (m)=manual int.

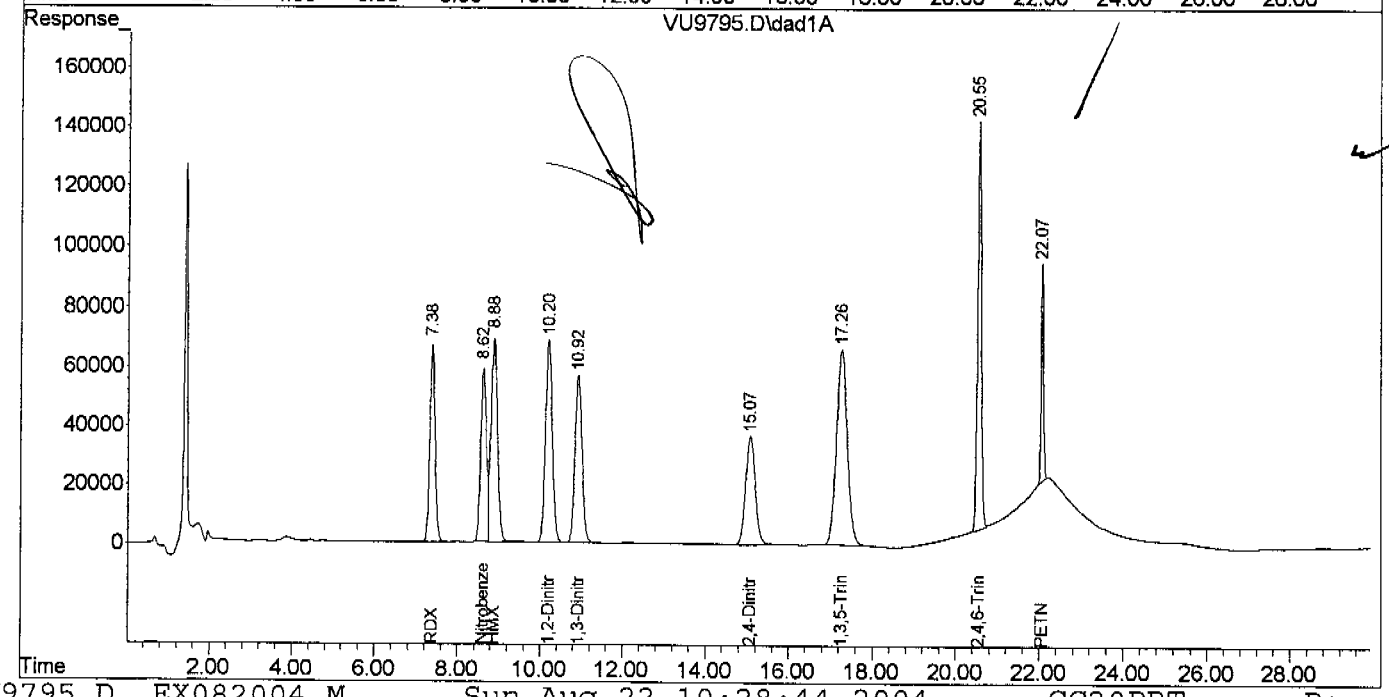
Quantitation Report (QT Reviewed)

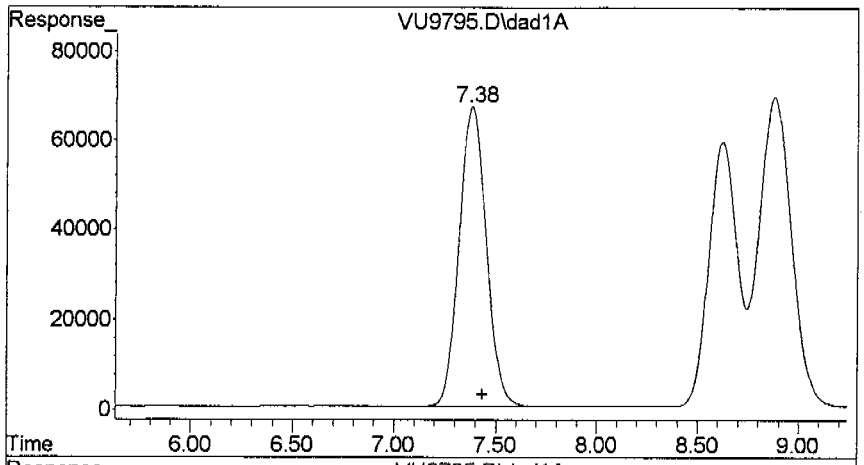
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1B.ch Vial: 3
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9795.D\dad1A.ch
Acq On : 21-Aug-2004, 23:17:17 Operator: caobinz
Sample : cc326-2,A 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:28 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

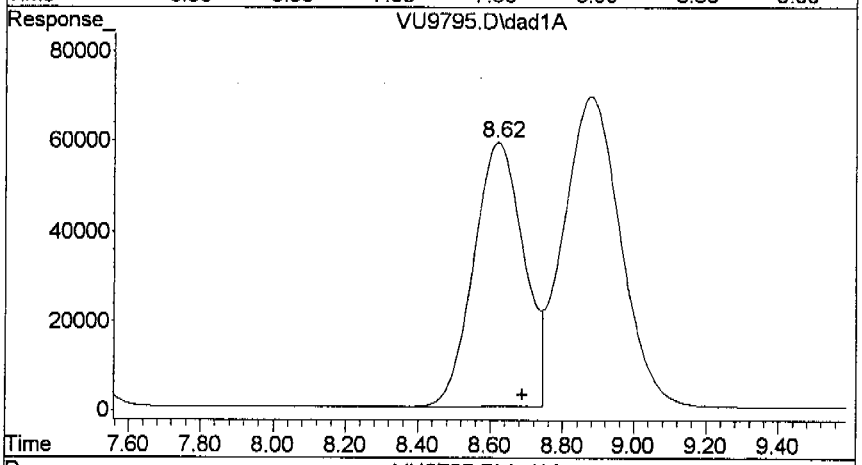






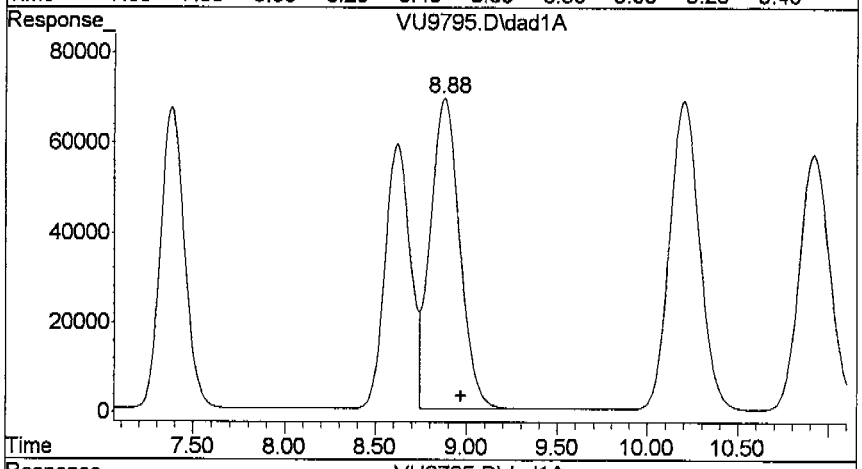
#2 RDX

R.T.: 7.380 min
Delta R.T.: -0.054 min
Response: 6155854
Conc: 1.90 ug/ml m



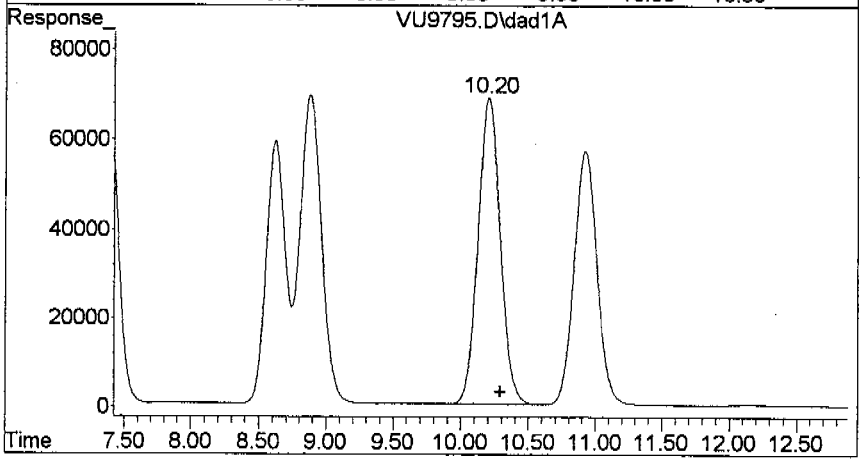
#3 Nitrobenzene

R.T.: 8.619 min
Delta R.T.: -0.068 min
Response: 5741217
Conc: 2.14 ug/ml m



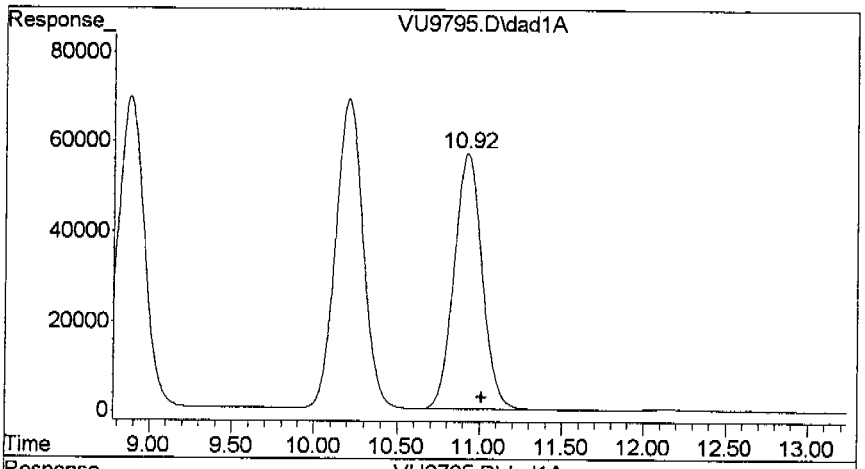
#4 HMX

R.T.: 8.880 min
Delta R.T.: -0.087 min
Response: 7773643
Conc: 2.06 ug/ml



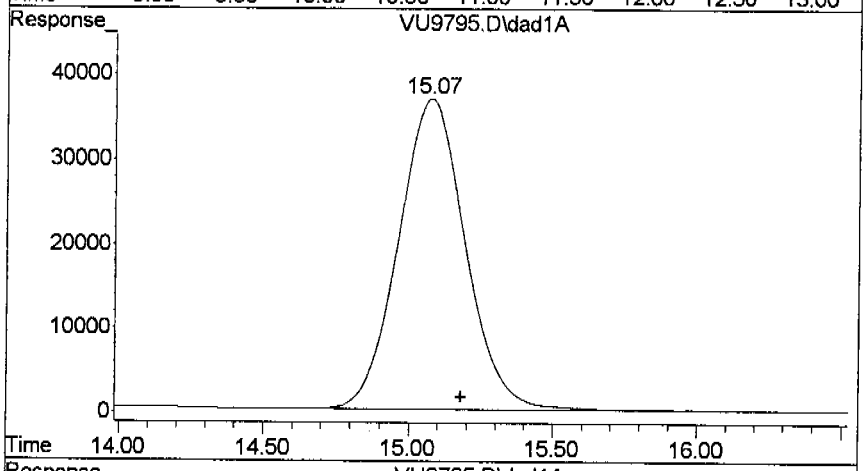
#5 1,2-Dinitrobenzene

R.T.: 10.204 min
Delta R.T.: -0.086 min
Response: 7863851
Conc: 2.07 ug/ml



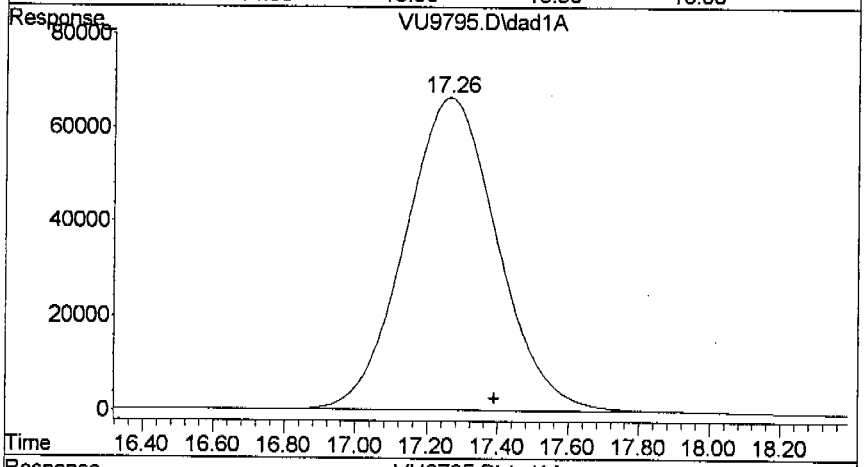
#6 1,3-Dinitrobenzene

R.T.: 10.920 min
Delta R.T.: -0.090 min
Response: 6791878
Conc: 1.99 ug/ml m



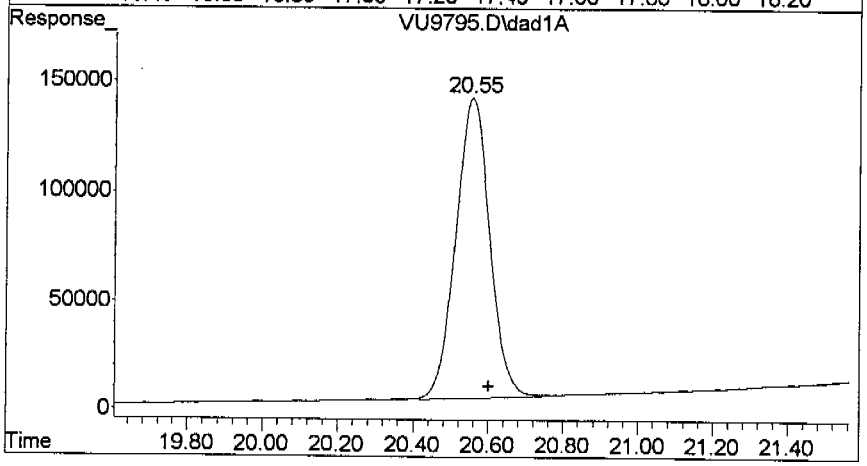
#13 2,4-Dinitrotoluene

R.T.: 15.075 min
Delta R.T.: -0.104 min
Response: 5903830
Conc: 2.06 ug/ml



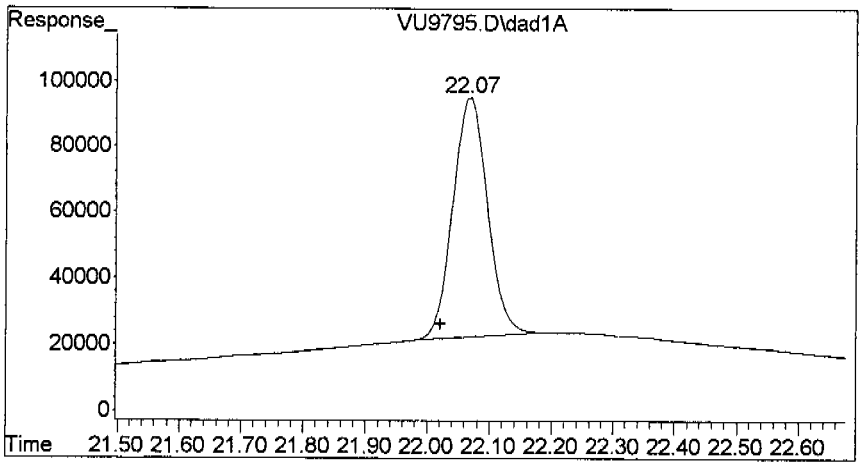
#14 1,3,5-Trinitrobenzene

R.T.: 17.261 min
Delta R.T.: -0.128 min
Response: 11988168
Conc: 2.04 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.555 min
Delta R.T.: -0.046 min
Response: 8703541
Conc: 2.07 ug/ml m



#17 PETN

R.T.: 22.067 min
Delta R.T.: 0.046 min
Response: 2785609
Conc: 2.16 ug/ml m

Evaluate Continuing Calibration Report

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1B.ch Vial: 12
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1A.ch
Acq On : 21-Aug-2004, 23:49:14 Operator: caobinz
Sample : cc326-5,B 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
5 s	1,2-Dinitrobenzene	3.794	3.776 E6	0.5	100	-0.07
7	2-Amino-4,6-Dinitrotoluene	3.988	3.971 E6	0.4	100	0.05
8	4-Amino-2,6-Dinitrotoluene	3.985	3.971 E6	0.4	100	0.05
9	o-Nitrotoluene	2.754	2.733 E6	0.8	100	-0.09
10	p-Nitrotoluene	2.716	2.560 E6	5.7	100	-0.09
11	m-Nitrotoluene	3.556	3.511 E6	1.3	100	-0.10
12	2,6-Dinitrotoluene	3.158	3.157 E6	0.0	100	-0.11
16	Tetryl	3.987	4.141 E6	-3.9	100	0.12

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1B.ch Vial: 12
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1A.ch
Acq On : 21-Aug-2004, 23:49:14 Operator: caobinz
Sample : cc326-5,B 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2	RDX	3.248	0.000 E6	100.0#	0#	-7.43#
3	Nitrobenzene	2.677	0.000 E6	100.0#	0#	-8.69#
4	HMX	3.782	0.000 E6	100.0#	0#	-8.97#
6	1,3-Dinitrobenzene	3.418	0.000 E6	100.0#	0#	-11.01#
13	2,4-Dinitrotoluene	2.871	0.000 E6	100.0#	0#	-15.18#
14	1,3,5-Trinitrobenzene	5.884	0.000 E6	100.0#	0#	-17.39#
15	2,4,6-Trinitrotoluene	4.214	0.000 E6	100.0#	0#	-20.60#
17	PETN	1.291	0.000 E6	100.0#	0#	-22.02#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
VU9783A.D EX082004.M Sun Aug 22 10:30:02 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1B.ch Vial: 12
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1A.ch
Acq On : 21-Aug-2004, 23:49:14 Operator: caobinz
Sample : cc326-5,B 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:29 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.22	18881437	4.976 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	99.52%
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	11.06	39706838	9.957 ug/ml
8) 4-Amino-2,6-Dinitrotoluene	11.06	39706838	9.963 ug/ml
9) o-Nitrotoluene	11.83	13666085	4.962 ug/ml
10) p-Nitrotoluene	12.22	12799339	4.712 ug/ml
11) m-Nitrotoluene	12.69	17553655	4.937 ug/mlm
12) 2,6-Dinitrotoluene	14.20	15785616	4.999 ug/ml
16) Tetryl	20.72	20707256	5.193 ug/mlm

08/22/04

8/23/04

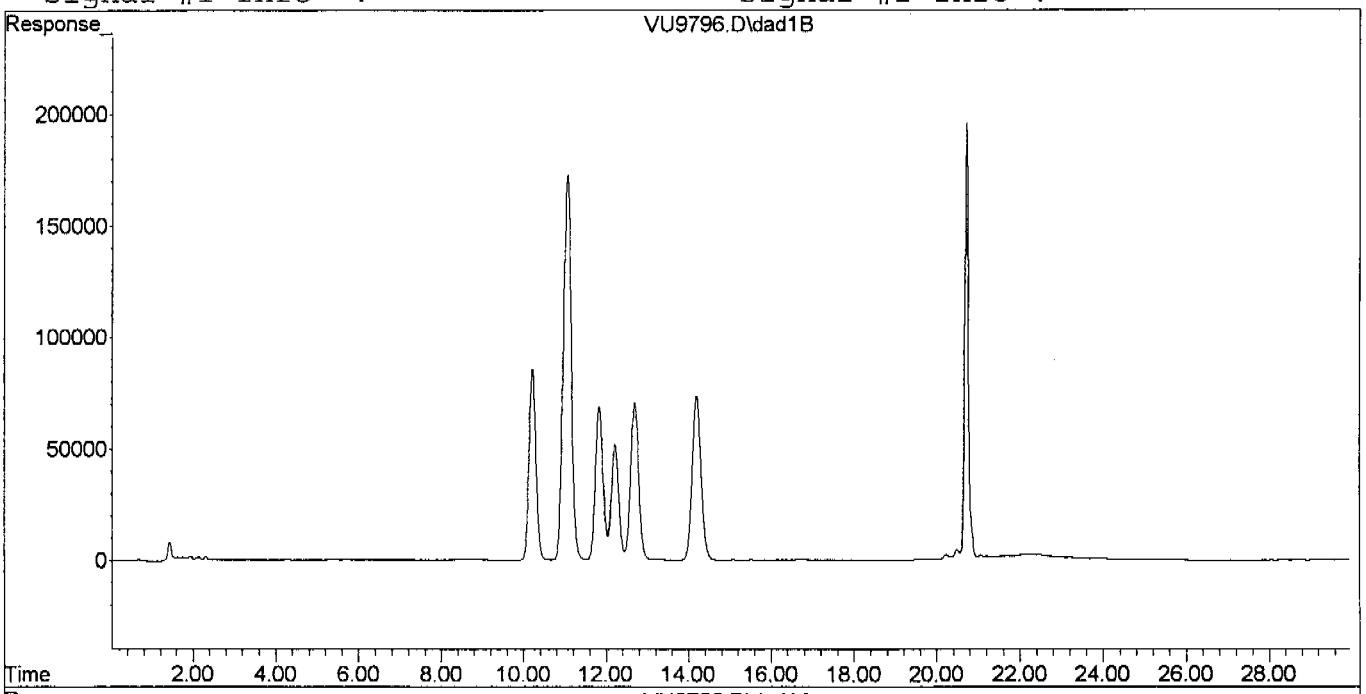
(f)=RT Delta > 1/2 Window (m)=manual int.
VU9796.D EX082004.M Sun Aug 22 2004 05:35 2004 GC20PRT Page 1

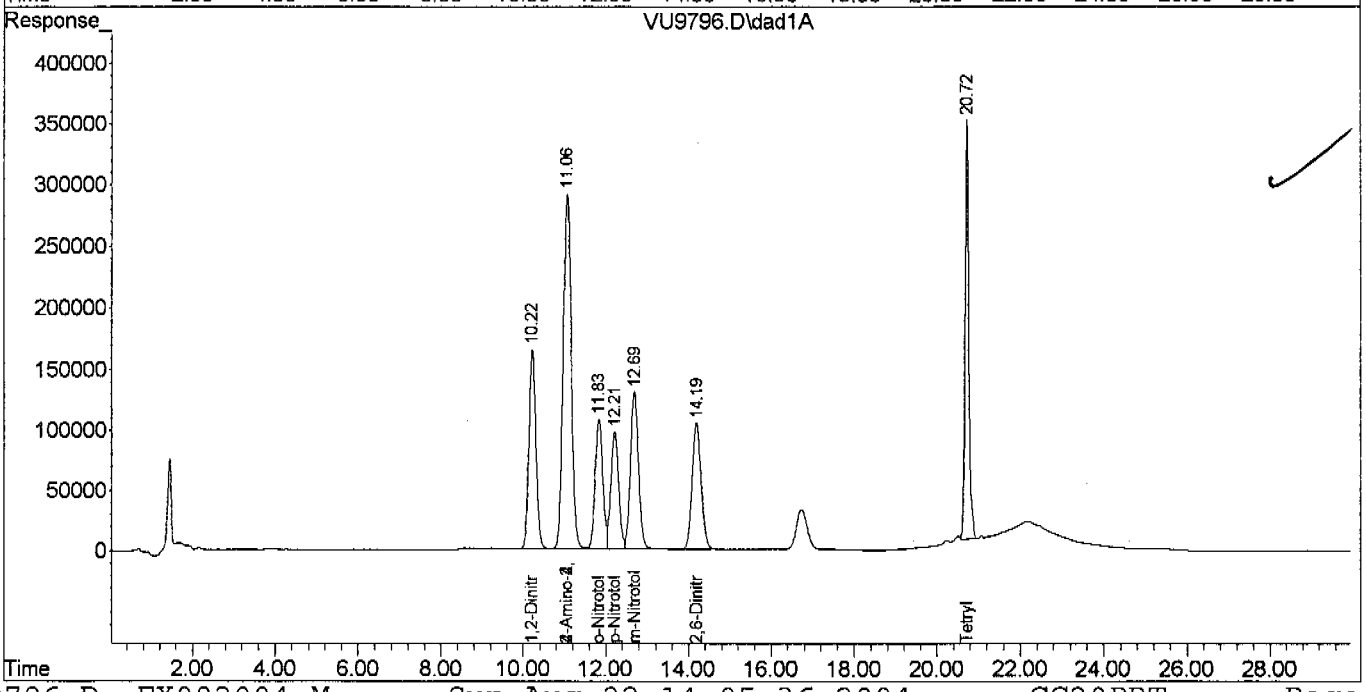
Quantitation Report (QT Reviewed)

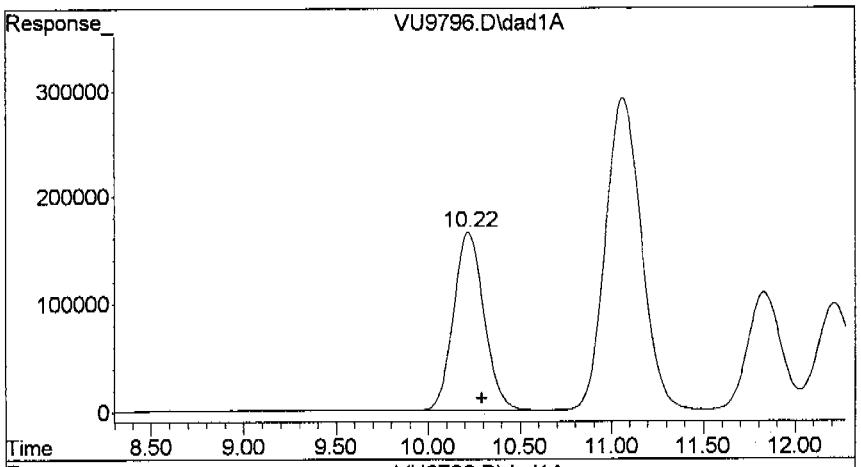
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1B.ch Vial: 12
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9796.D\dad1A.ch
Acq On : 21-Aug-2004, 23:49:14 Operator: caobinz
Sample : cc326-5,B 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:29 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

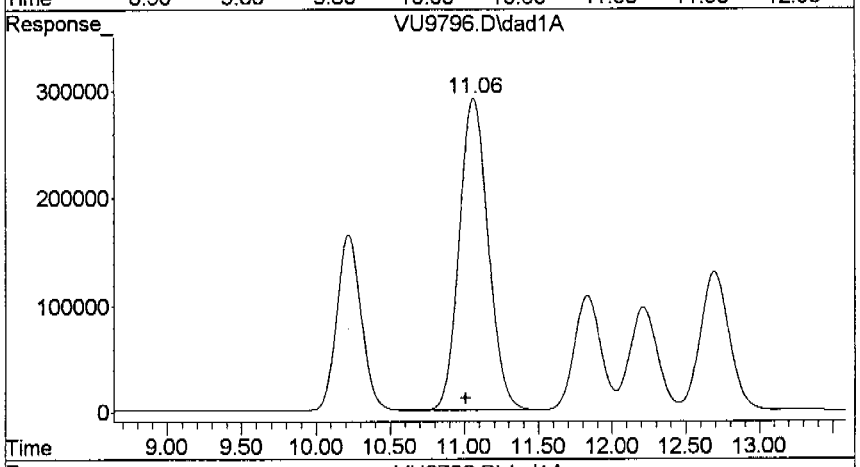






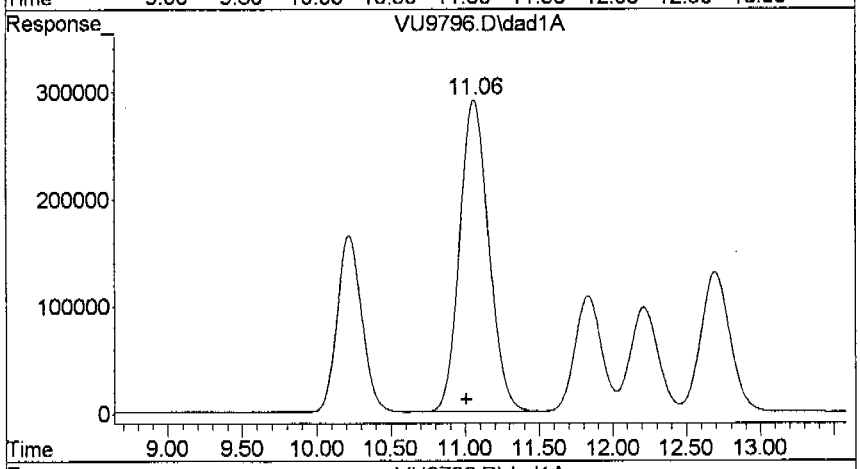
#5 1,2-Dinitrobenzene

R.T.: 10.217 min
Delta R.T.: -0.073 min
Response: 18881437
Conc: 4.98 ug/ml m



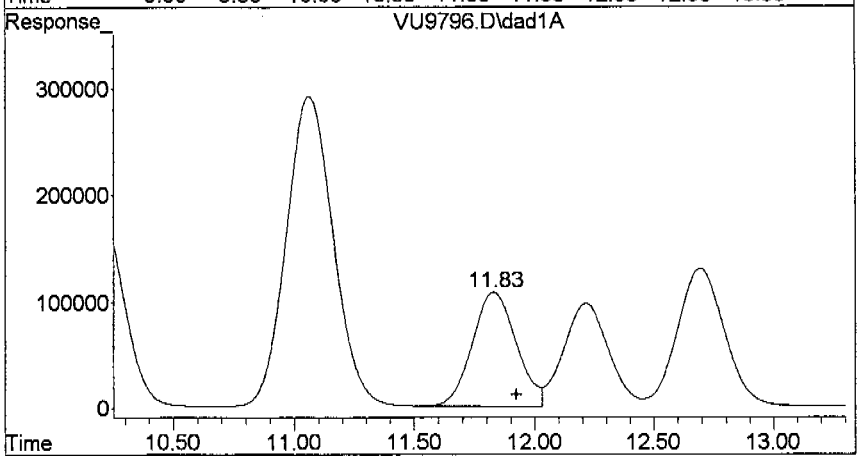
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 11.064 min
Delta R.T.: 0.054 min
Response: 39706838
Conc: 9.96 ug/ml



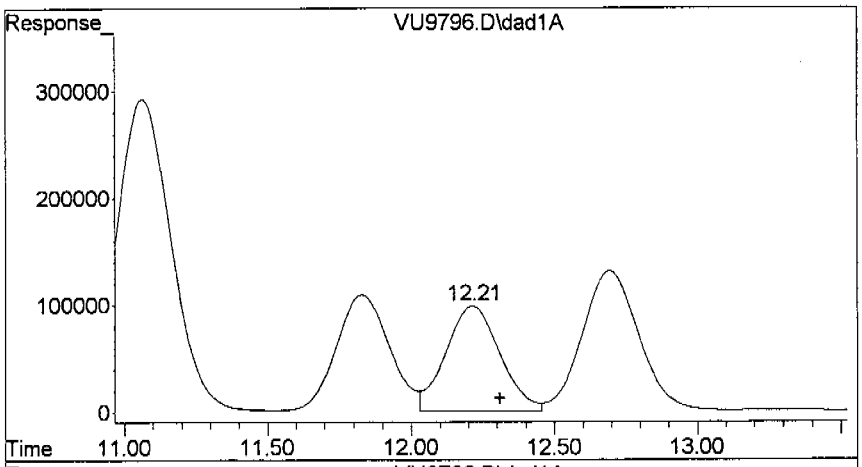
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 11.064 min
Delta R.T.: 0.054 min
Response: 39706838
Conc: 9.96 ug/ml



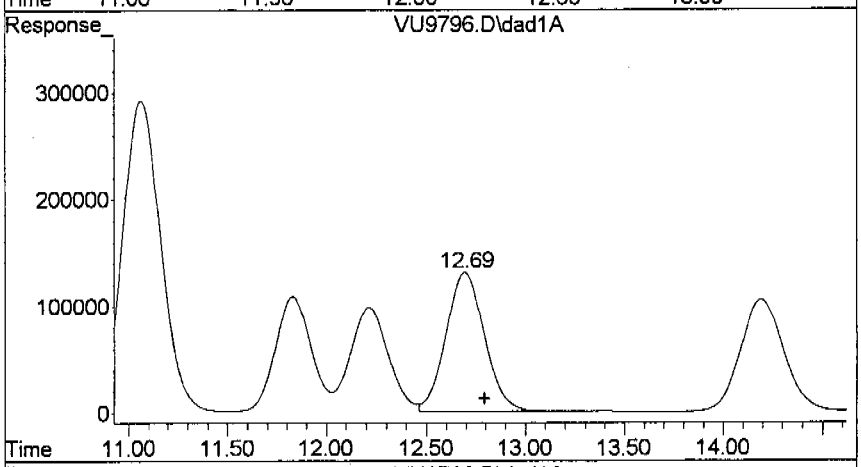
#9 o-Nitrotoluene

R.T.: 11.832 min
Delta R.T.: -0.090 min
Response: 13666085
Conc: 4.96 ug/ml



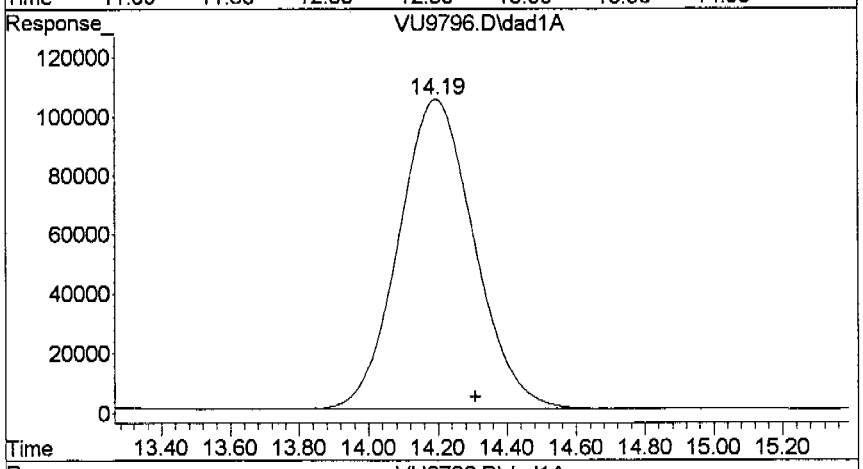
#10 p-Nitrotoluene

R.T.: 12.215 min
Delta R.T.: -0.095 min
Response: 12799339
Conc: 4.71 ug/ml



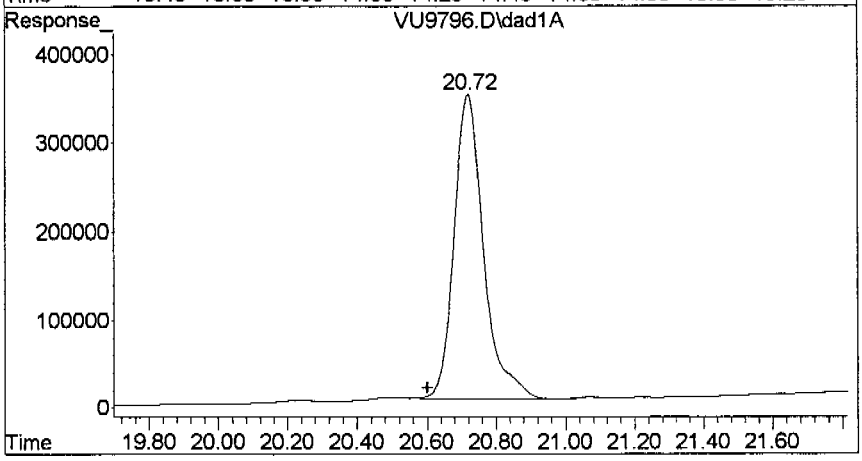
#11 m-Nitrotoluene

R.T.: 12.692 min
Delta R.T.: -0.102 min
Response: 17553655
Conc: 4.94 ug/ml m



#12 2,6-Dinitrotoluene

R.T.: 14.196 min
Delta R.T.: -0.112 min
Response: 15785616
Conc: 5.00 ug/ml



#16 Tetryl

R.T.: 20.719 min
Delta R.T.: 0.118 min
Response: 20707256
Conc: 5.19 ug/ml m

Evaluate Continuing Calibration Report

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1B.ch Vial: 2
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1A.ch
Acq On : 22-Aug-2004, 04:36:47 Operator: caobinz
Sample : cc326-5,A 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2	RDX	3.248	3.057 E6	5.9	100	0.05
3	Nitrobenzene	2.677	2.813 E6	-5.1	101	0.03
4	HMX	3.782	3.836 E6	-1.4	99	0.08
5 s	1,2-Dinitrobenzene	3.794	3.908 E6	-3.0	103	0.05
6	1,3-Dinitrobenzene	3.418	3.385 E6	1.0	100	0.06
13	2,4-Dinitrotoluene	2.871	2.921 E6	-1.7	100	0.12
14	1,3,5-Trinitrobenzene	5.884	5.902 E6	-0.3	99	0.16
15	2,4,6-Trinitrotoluene	4.214	4.271 E6	-1.4	100	0.05
17	PETN	1.291	1.379 E6	-6.8	101	0.09

8/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1B.ch Vial: 2
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1A.ch
Acq On : 22-Aug-2004, 04:36:47 Operator: caobinz
Sample : cc326-5,A 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator) 8/22/04
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
7	2-Amino-4,6-Dinitrotoluene	3.988	0.000 E6	100.0#	0#	-11.01#
8	4-Amino-2,6-Dinitrotoluene	3.985	0.000 E6	100.0#	0#	-11.01#
9	o-Nitrotoluene	2.754	0.000 E6	100.0#	0#	-11.92#
10	p-Nitrotoluene	2.716	0.000 E6	100.0#	0#	-12.31#
11	m-Nitrotoluene	3.556	0.000 E6	100.0#	0#	-12.79#
12	2,6-Dinitrotoluene	3.158	0.000 E6	100.0#	0#	-14.31#
16	Tetryl	3.987	0.000 E6	100.0#	0#	-20.60#

(#) = Out of Range
VU9783A.D EX082004.M

SPCC's out = 0 CCC's out = 0
Sun Aug 22 10:39:34 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1B.ch Vial: 2
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1A.ch
Acq On : 22-Aug-2004, 04:36:47 Operator: caobinz
Sample : cc326-5,A 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:39 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.34	19541277	5.150 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	103.00%
Target Compounds			
2) RDX	7.49	15287481	4.706 ug/mlm
3) Nitrobenzene	8.72	14066842	5.255 ug/mlm
4) HMX	9.04	19178840	5.072 ug/mlm
6) 1,3-Dinitrobenzene	11.07	16925853	4.953 ug/mlm
13) 2,4-Dinitrotoluene	15.29	14607238	5.089 ug/mlm
14) 1,3,5-Trinitrobenzene	17.55	29510867	5.015 ug/mlm
15) 2,4,6-Trinitrotoluene	20.65	21354117	5.067 ug/mlm
17) PETN	22.11	6894016	5.340 ug/mlm

8/22/04

8/22/04

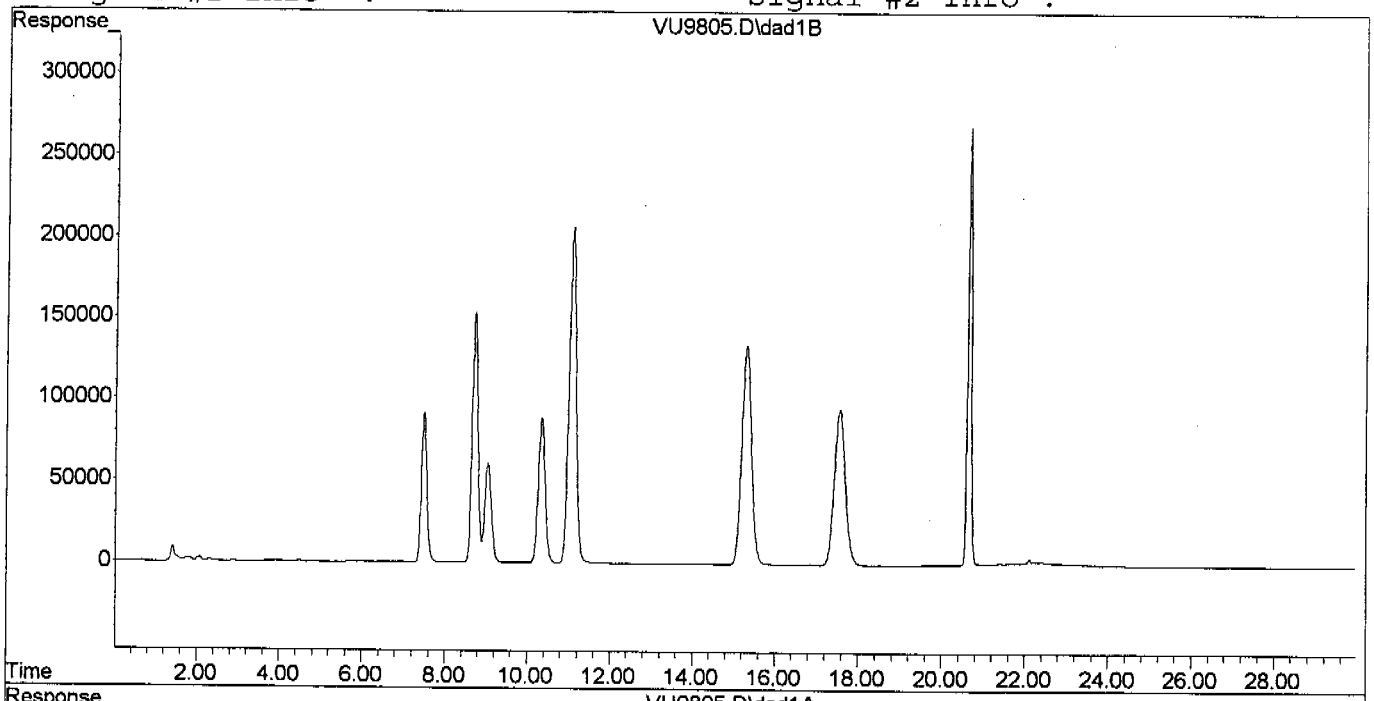
(f)=RT Delta > 1/2 Window (m)=manual int.

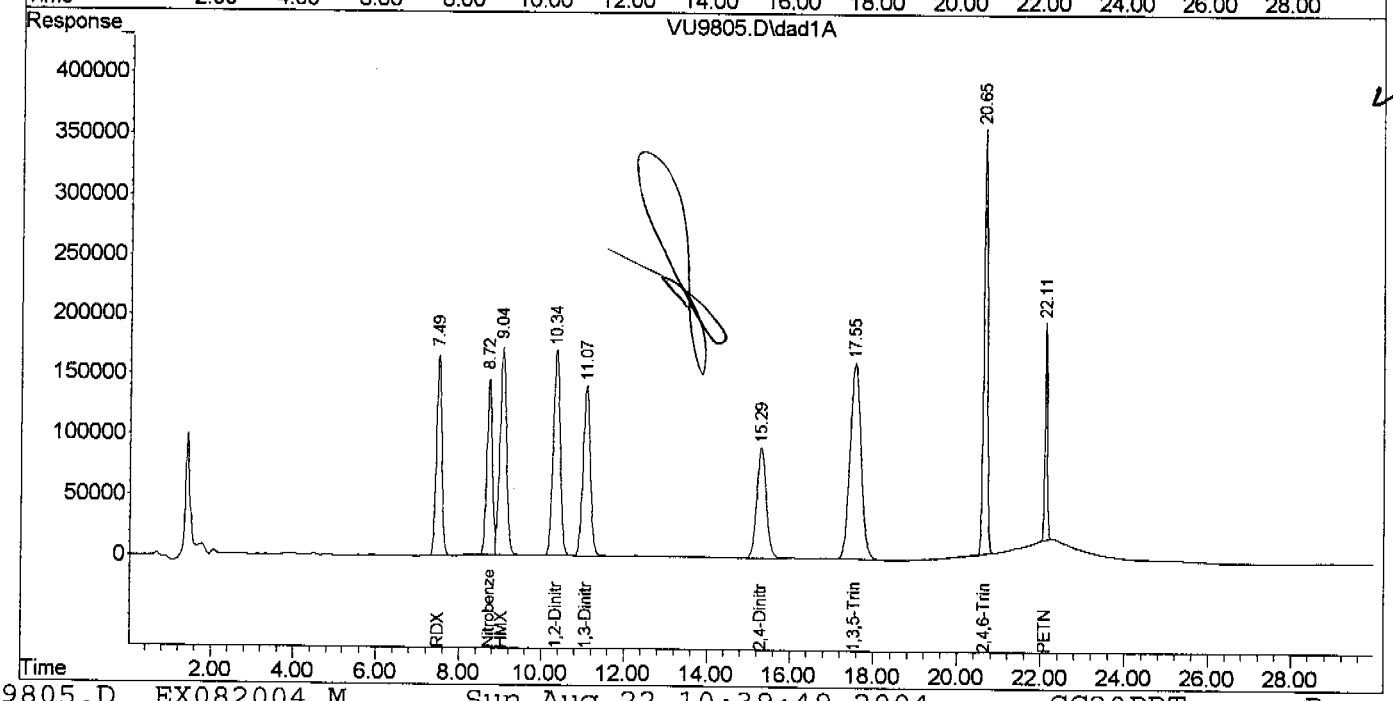
Quantitation Report (QT Reviewed)

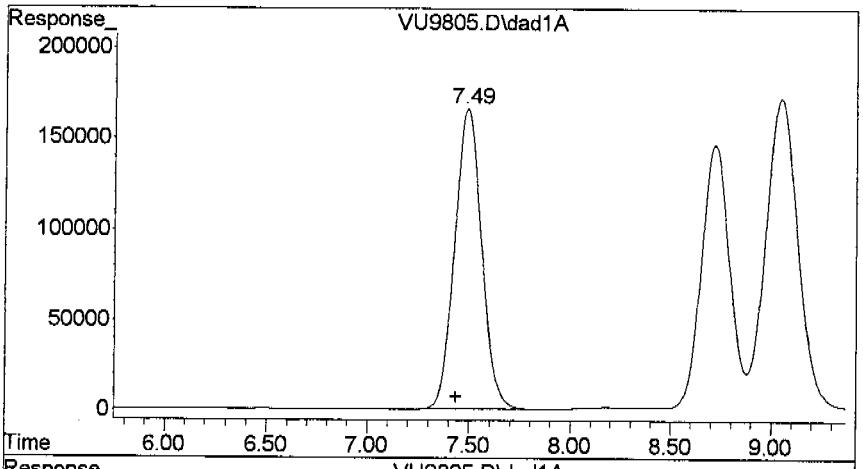
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1B.ch Vial: 2
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9805.D\dad1A.ch
Acq On : 22-Aug-2004, 04:36:47 Operator: caobinz
Sample : cc326-5,A 5 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:39 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

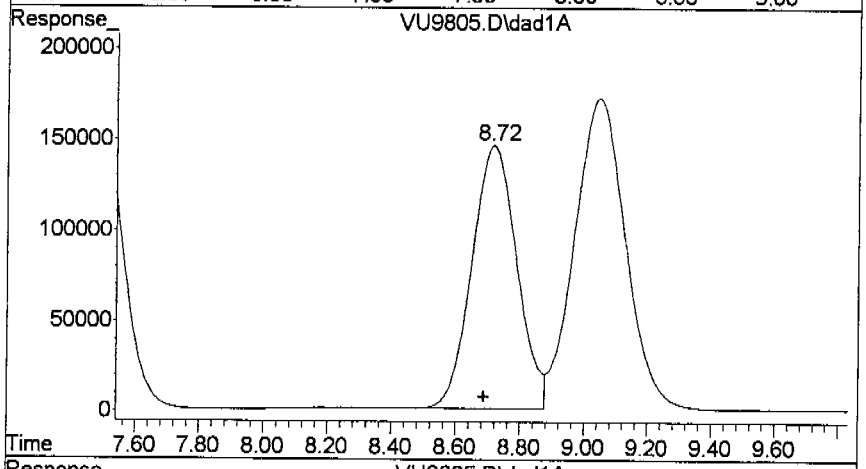






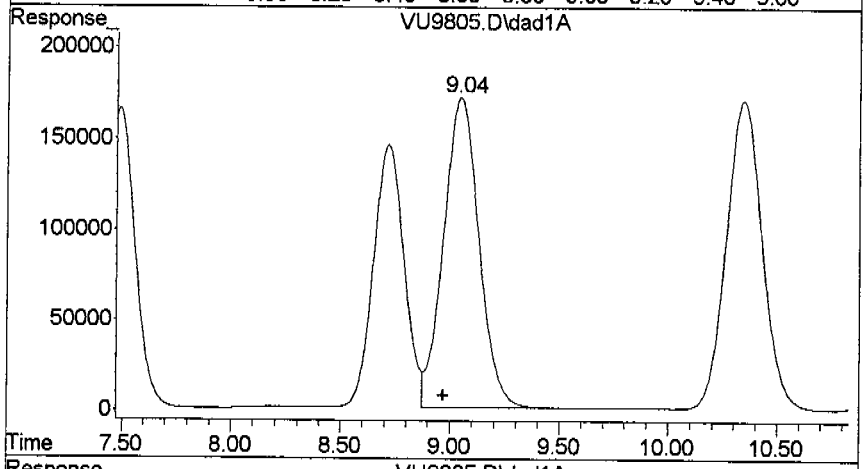
#2 RDX

R.T.: 7.486 min
Delta R.T.: 0.053 min
Response: 15287481
Conc: 4.71 ug/ml m



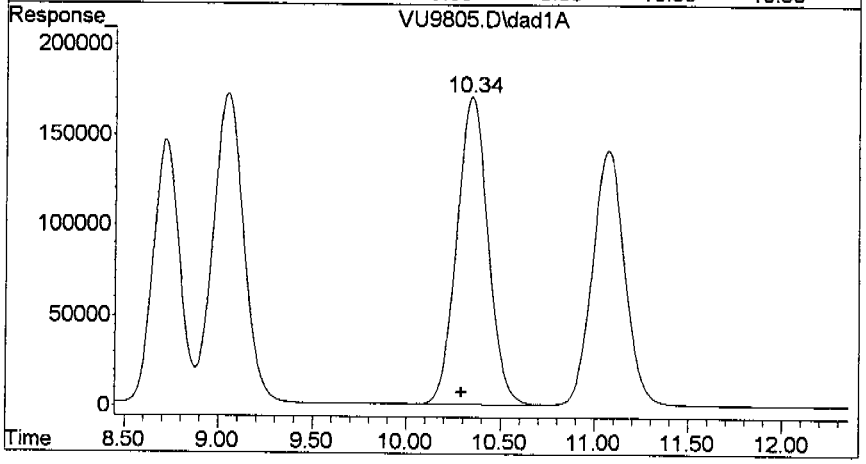
#3 Nitrobenzene

R.T.: 8.715 min
Delta R.T.: 0.029 min
Response: 14066842
Conc: 5.26 ug/ml m



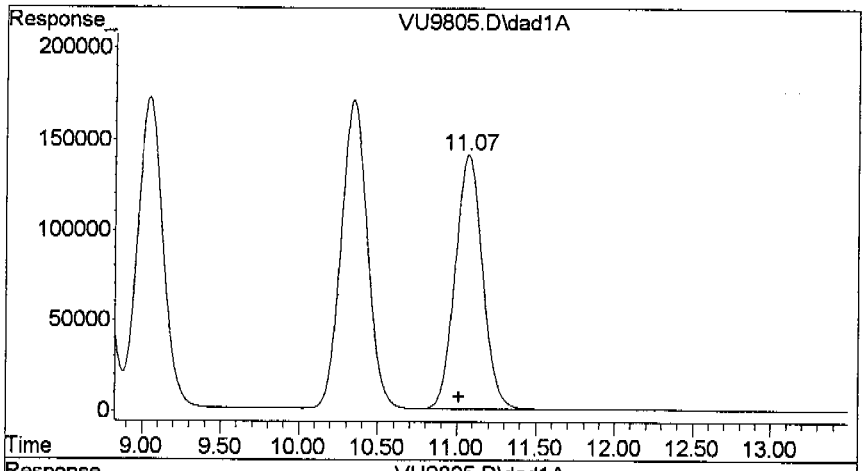
#4 HMX

R.T.: 9.044 min
Delta R.T.: 0.077 min
Response: 19178840
Conc: 5.07 ug/ml m



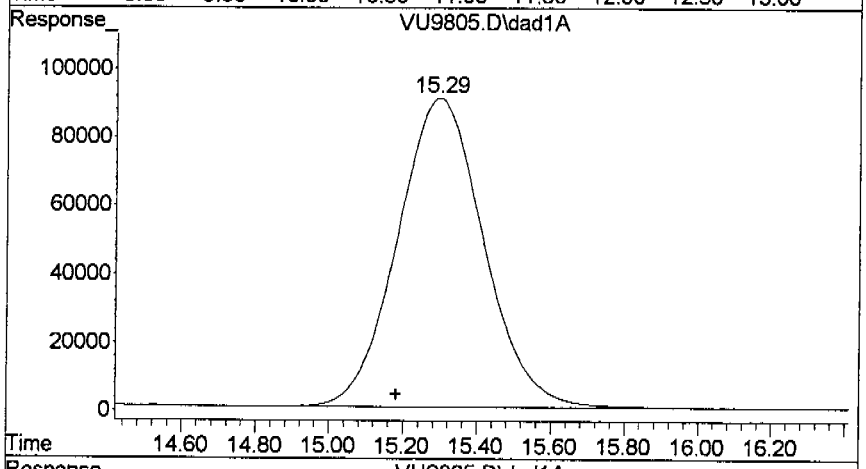
#5 1,2-Dinitrobenzene

R.T.: 10.342 min
Delta R.T.: 0.051 min
Response: 19541277
Conc: 5.15 ug/ml m



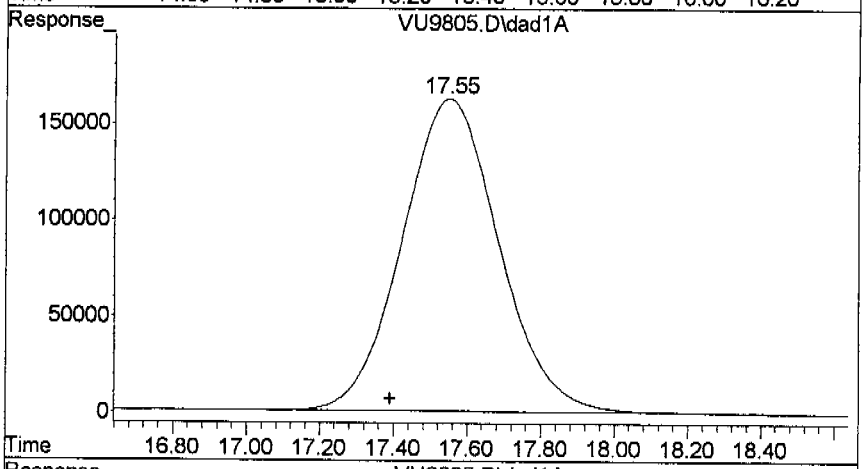
#6 1,3-Dinitrobenzene

R.T.: 11.067 min
Delta R.T.: 0.057 min
Response: 16925853
Conc: 4.95 ug/ml m



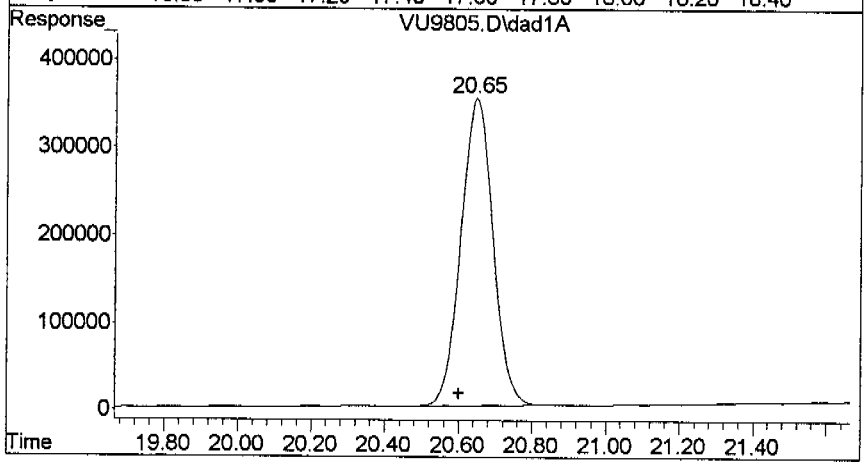
#13 2,4-Dinitrotoluene

R.T.: 15.294 min
Delta R.T.: 0.115 min
Response: 14607238
Conc: 5.09 ug/ml m



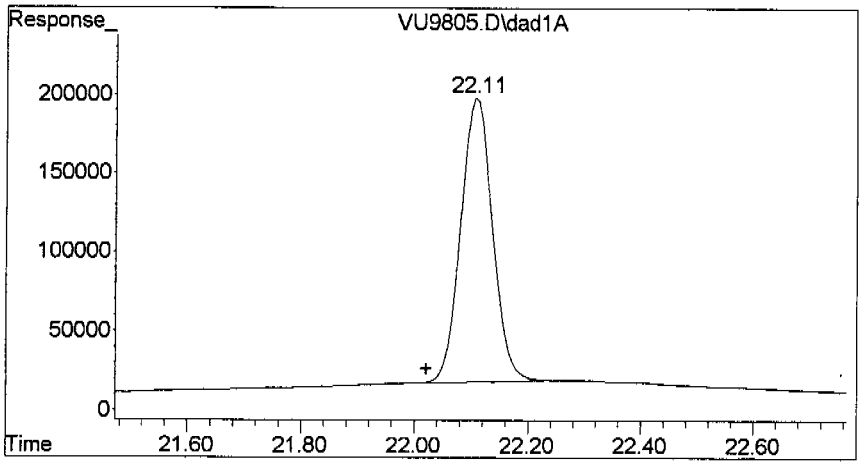
#14 1,3,5-Trinitrobenzene

R.T.: 17.548 min
Delta R.T.: 0.159 min
Response: 29510867
Conc: 5.02 ug/ml m



#15 2,4,6-Trinitrotoluene

R.T.: 20.646 min
Delta R.T.: 0.046 min
Response: 21354117
Conc: 5.07 ug/ml m



#17 PETN

R.T.: 22.107 min
Delta R.T.: 0.087 min
Response: 6894016
Conc: 5.34 ug/ml m

Evaluate Continuing Calibration Report

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1B.ch Vial: 13
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1A.ch
Acq On : 22-Aug-2004, 05:08:44 Operator: caobinz
Sample : cc326-2,B 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
5 s	1,2-Dinitrobenzene	3.794	3.829 E6	-0.9	101	0.04
7	2-Amino-4,6-Dinitrotoluene	3.988	4.017 E6	-0.7	100	0.20
8	4-Amino-2,6-Dinitrotoluene	3.985	4.017 E6	-0.8	100	0.20
9	o-Nitrotoluene	2.754	2.745 E6	0.3	99	0.03
10	p-Nitrotoluene	2.716	2.584 E6	4.9	99	0.03
11	m-Nitrotoluene	3.556	3.554 E6	0.1	99	0.03
12	2,6-Dinitrotoluene	3.158	3.195 E6	-1.2	101	0.06
16	Tetryl	3.987	4.154 E6	-4.2	100	0.20

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1B.ch Vial: 13
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1A.ch
Acq On : 22-Aug-2004, 05:08:44 Operator: caobinz
Sample : cc326-2,B 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e

Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2	RDX	3.248	0.000 E6	100.0#	0#	-7.43#
3	Nitrobenzene	2.677	0.000 E6	100.0#	0#	-8.69#
4	HMX	3.782	0.000 E6	100.0#	0#	-8.97#
6	1,3-Dinitrobenzene	3.418	0.000 E6	100.0#	0#	-11.01#
13	2,4-Dinitrotoluene	2.871	0.000 E6	100.0#	0#	-15.18#
14	1,3,5-Trinitrobenzene	5.884	0.000 E6	100.0#	0#	-17.39#
15	2,4,6-Trinitrotoluene	4.214	0.000 E6	100.0#	0#	-20.60#
17	PETN	1.291	0.000 E6	100.0#	0#	-22.02#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
VU9779.D EX082004.M Sun Aug 22 10:41:05 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1B.ch Vial: 13
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1A.ch
Acq On : 22-Aug-2004, 05:08:44 Operator: caobinz
Sample : cc326-2,B 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:40 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Initial Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s 1,2-Dinitrobenzene	10.33	7657825	2.018 ug/mlm
Spiked Amount 5.000 Range 24 - 143		Recovery =	40.36%
Target Compounds			
7) 2-Amino-4,6-Dinitrotoluene	11.21	16067249	4.029 ug/ml
8) 4-Amino-2,6-Dinitrotoluene	11.21	16067249	4.032 ug/ml
9) o-Nitrotoluene	11.95	5490541	1.994 ug/ml
10) p-Nitrotoluene	12.34	5168465	1.903 ug/ml
11) m-Nitrotoluene	12.82	7108332	1.999 ug/ml
12) 2,6-Dinitrotoluene	14.37	6390607	2.024 ug/mlm
16) Tetryl	20.80	8307986	2.084 ug/mlm

08/22/04

8/22/04

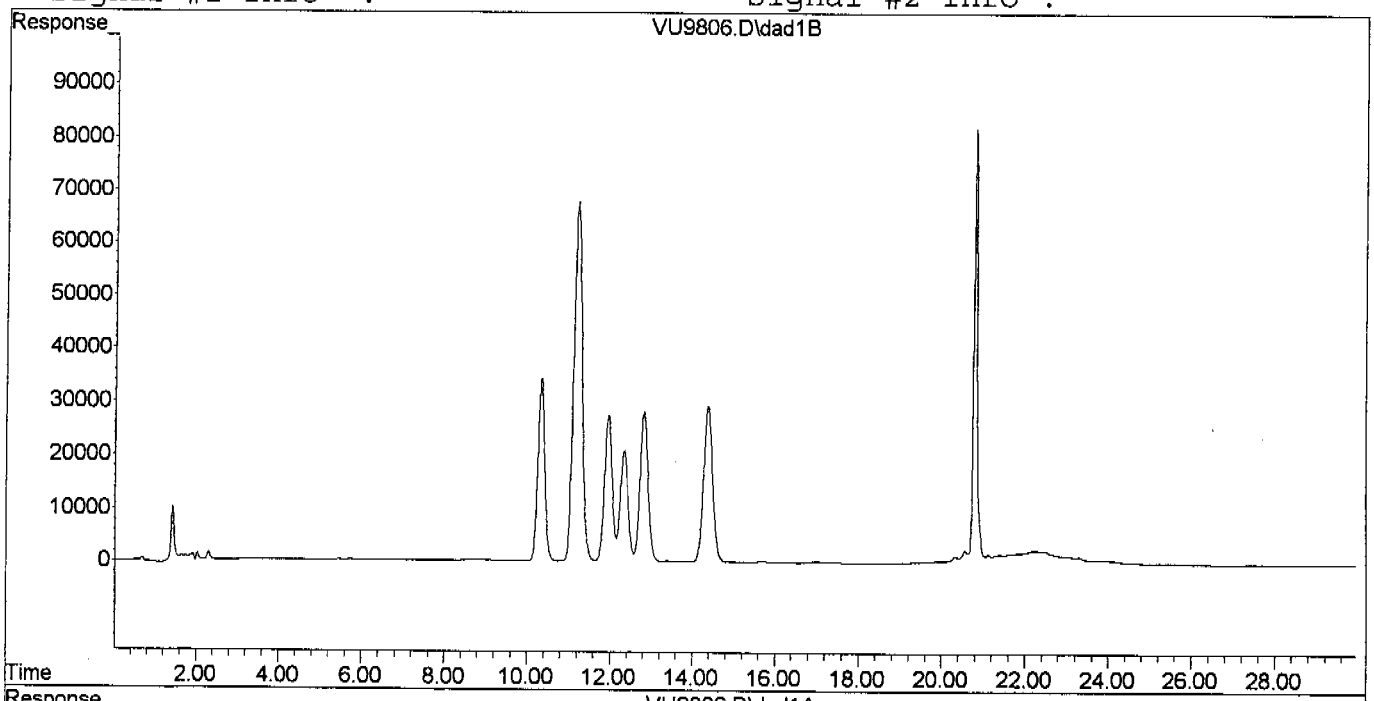
(f)=RT Delta > 1/2 Window (m)=manual int.

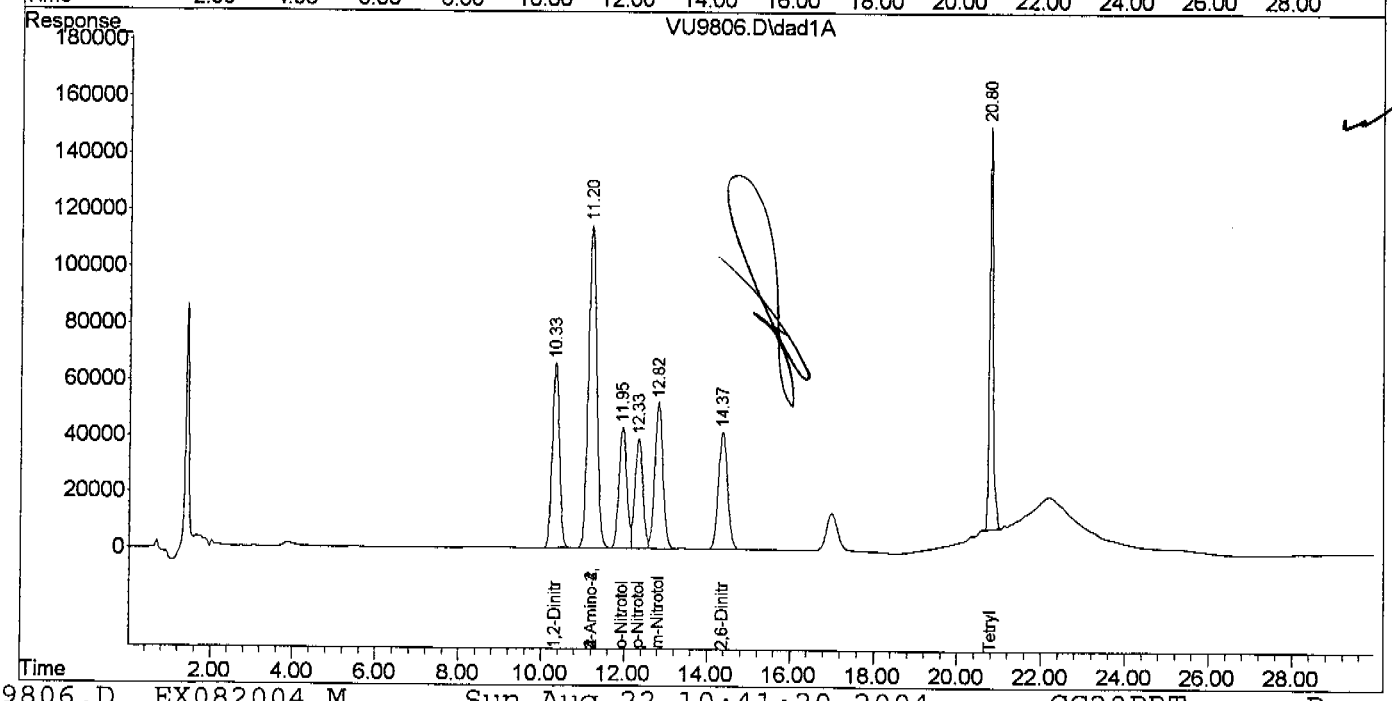
Quantitation Report (QT Reviewed)

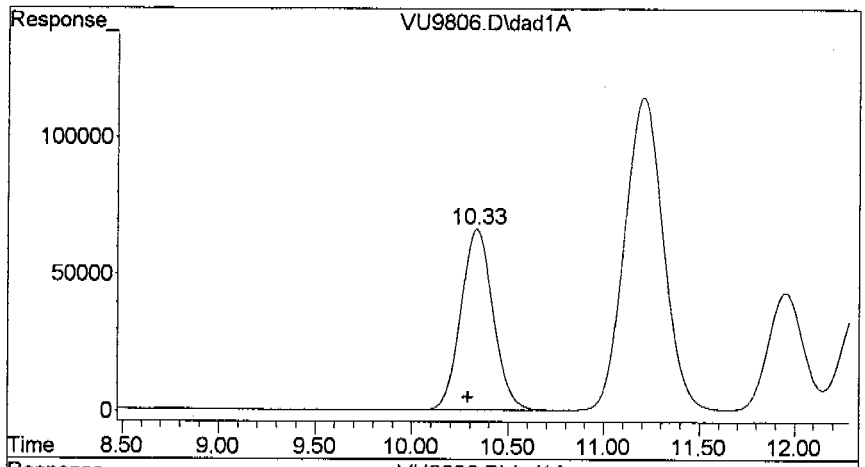
Signal #1 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1B.ch Vial: 13
Signal #2 : F:\HPCHEM\1\DATA\082004\VU9806.D\dad1A.ch
Acq On : 22-Aug-2004, 05:08:44 Operator: caobinz
Sample : cc326-2,B 2 Inst : G1315A
Misc : op7581,gvu326,930,,,10, Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Aug 22 10:40 2004 Quant Results File: EX082004.RES

Quant Method : F:\HPCHEM\1\METHODS\EX082004.M (Chemstation Integrator)
Title : synergi/ic326/082004
Last Update : Sun Aug 22 10:07:29 2004
Response via : Single Level Calibration
DataAcq Meth : SYNERGNG.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

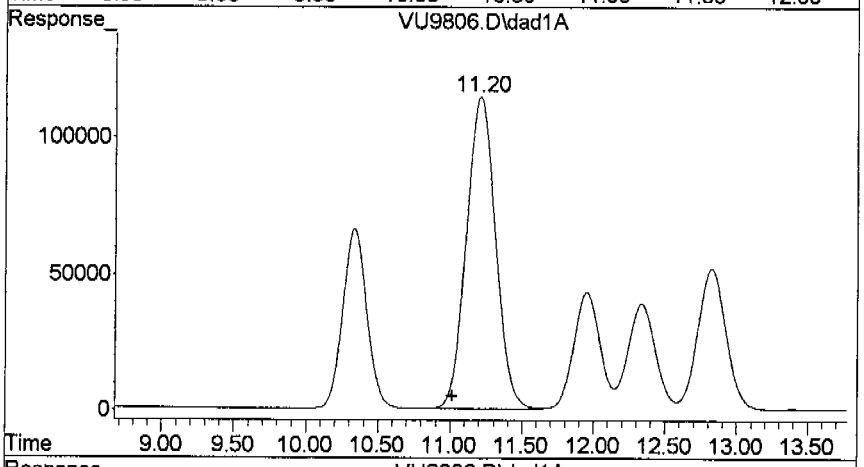






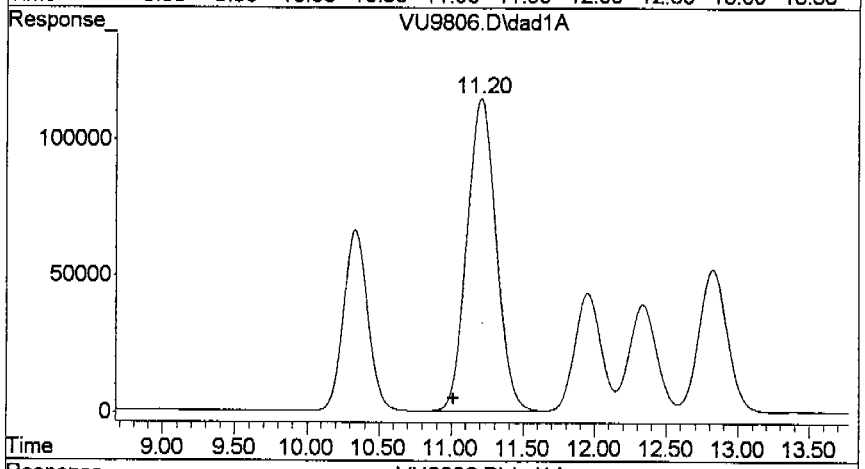
#5 1,2-Dinitrobenzene

R.T.: 10.332 min
Delta R.T.: 0.041 min
Response: 7657825
Conc: 2.02 ug/ml m



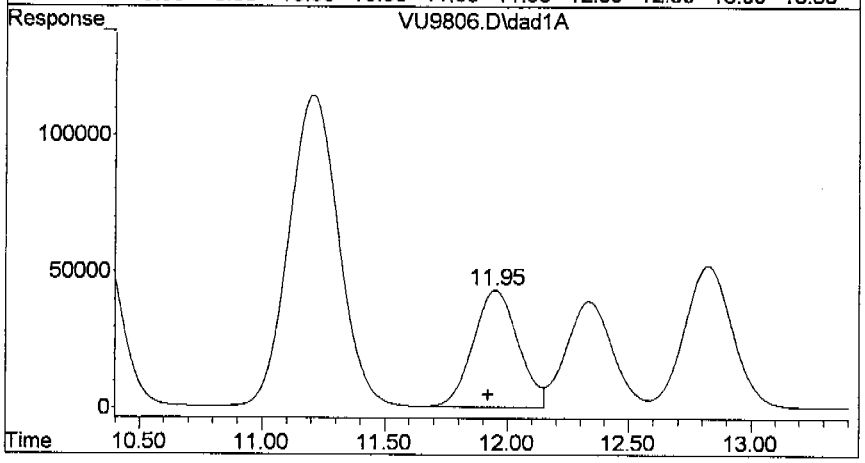
#7 2-Amino-4,6-Dinitrotoluen

R.T.: 11.207 min
Delta R.T.: 0.197 min
Response: 16067249
Conc: 4.03 ug/ml



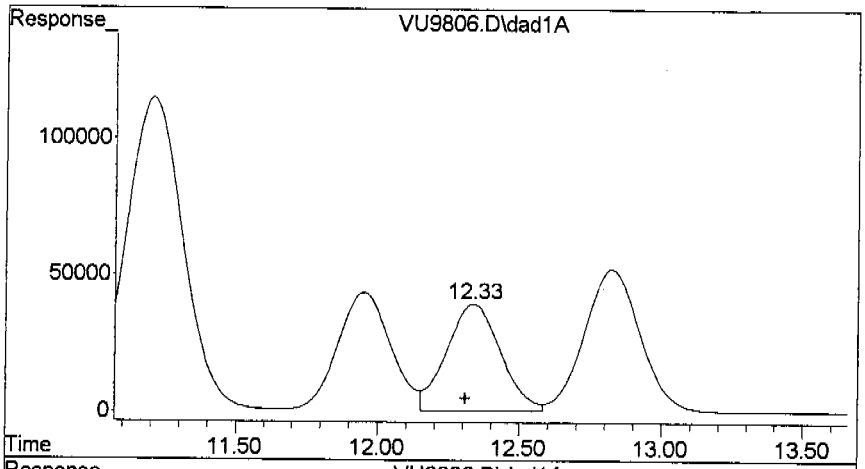
#8 4-Amino-2,6-Dinitrotoluen

R.T.: 11.207 min
Delta R.T.: 0.197 min
Response: 16067249
Conc: 4.03 ug/ml



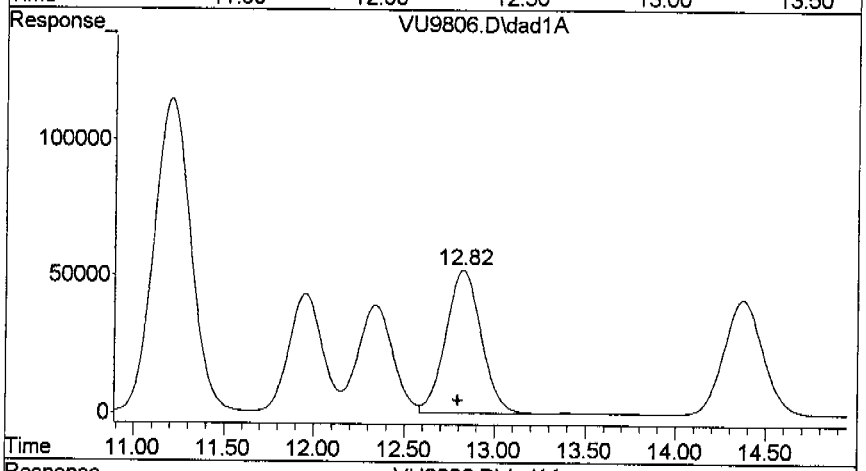
#9 o-Nitrotoluene

R.T.: 11.952 min
Delta R.T.: 0.030 min
Response: 5490541
Conc: 1.99 ug/ml



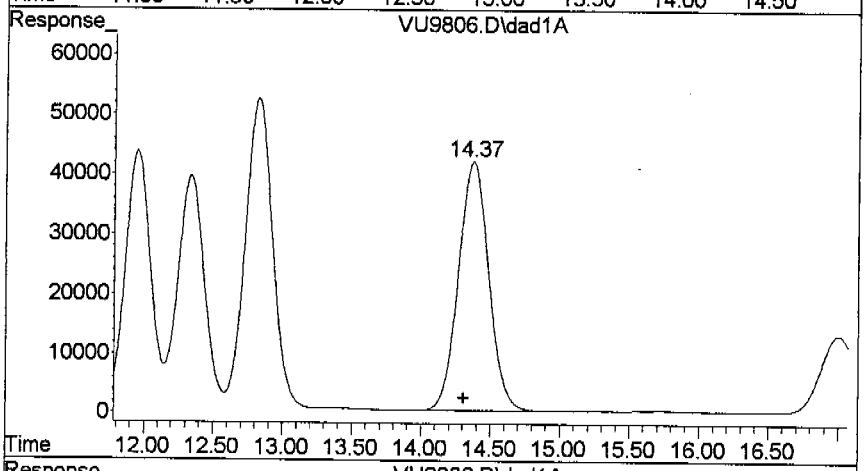
#10 p-Nitrotoluene

R.T.: 12.338 min
Delta R.T.: 0.028 min
Response: 5168465
Conc: 1.90 ug/ml



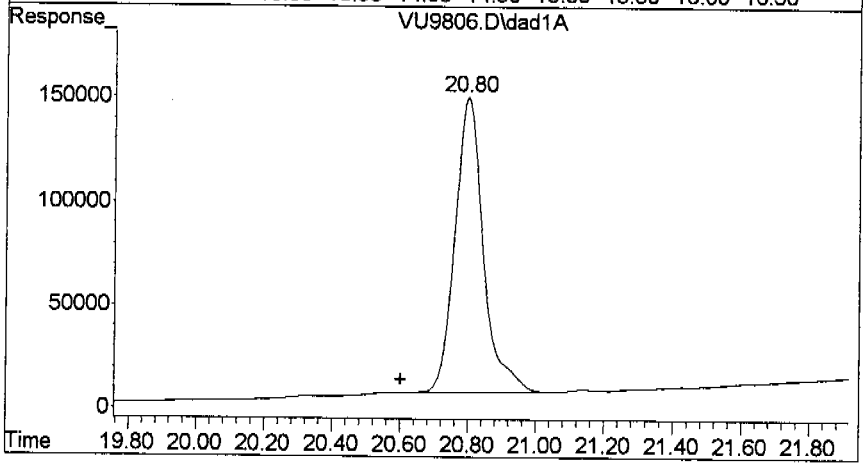
#11 m-Nitrotoluene

R.T.: 12.824 min
Delta R.T.: 0.029 min
Response: 7108332
Conc: 2.00 ug/ml



#12 2,6-Dinitrotoluene

R.T.: 14.370 min
Delta R.T.: 0.062 min
Response: 6390607
Conc: 2.02 ug/ml m



#16 Tetryl

R.T.: 20.796 min
Delta R.T.: 0.196 min
Response: 8307986
Conc: 2.08 ug/ml m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8072.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8072.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:15:27 Operator: caobinz
Sample : cc368-2,A 2 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2 s	1,2-Dinitrobenzene	21.227	19.846 E6	6.5	94	-0.05
3	HMX	18.441	17.560 E6	4.8	97	0.00
4	RDX	14.779	14.069 E6	4.8	99	-0.04
5	1,3,5-Trinitrobenzene	45.415	34.987 E6	23.0#	99	-0.04
6	1,3-Dinitrobenzene	18.386	18.400 E6	-0.1	98	-0.04
7	Nitrobenzene	13.019	13.164 E6	-1.1	99	-0.03
8	2,4,6-Trinitrotoluene	22.045	21.847 E6	0.9	96	-0.02
9	2,4-Dinitrotoluene	12.149	12.992 E6	-6.9	96	-0.03
10	PETN	4.722	4.837 E6	-2.4	107	-0.26

08/24/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8072.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8072.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:15:27 Operator: caobinz
Sample : cc368-2,A 2 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

8/10/04

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
11	Tetryl	20.135	0.000 E6	100.0#	0#	-12.35#
12	4-Amino-2,6-Dinitrotoluene	21.727	0.000 E6	100.0#	0#	-15.00#
13	2-Amino-4,6-Dinitrotoluene	23.382	0.000 E6	100.0#	0#	-16.02#
14	2,6-Dinitrotoluene	14.815	0.000 E6	100.0#	0#	-16.80#
15	o-Nitrotoluene	11.165	0.000 E6	100.0#	0#	-18.94#
16	p-Nitrotoluene	13.130	0.000 E6	100.0#	0#	-19.39#
17	m-Nitrotoluene	14.544	0.000 E6	100.0#	0#	-19.78#
18	2,4-Diamino-6-Nitrotoluene	15.[illegible]3	0.000 E6	100.0#	0#	-5.87#

19	2,6-Diamino-4-Nitrotoluene	66.534	0.000 E6	100.0#	0#	-6.27#

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

ST8057.D EX082004.M Sat Aug 21 15:58:11 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8072.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8072.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:15:27 Operator: caobinz
Sample : cc368-2,A 2 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:57 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.69	39691935	1.870 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	37.40%
Target Compounds			
3) HMX	6.50	35120214	1.905 ppb m
4) RDX	8.80	28137473	1.904 ppb m
5) 1,3,5-Trinitrobenzene	11.21	69973493	1.997 ppb m
6) 1,3-Dinitrobenzene	13.04	36799512	2.002 ppb m
7) Nitrobenzene	14.27	26328655	2.022 ppb m
8) 2,4,6-Trinitrotoluene	15.11	43693797	1.982 ppb m
9) 2,4-Dinitrotoluene	17.59	25983708	2.139 ppb m
10) PETN	18.88	9673403	2.049 ppb m

08/22/04

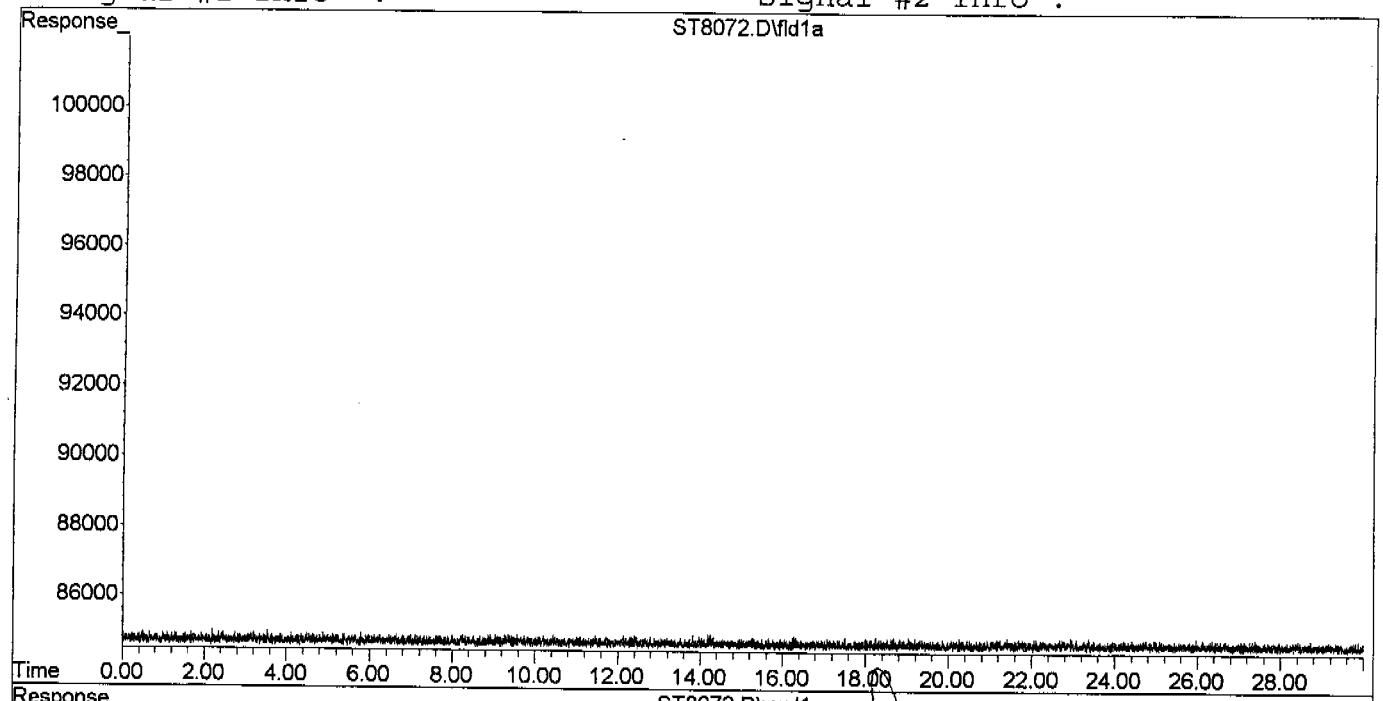
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8072.D EX082004.M Sat Aug 21 15:16:57 2004 GC20PRT Page 1

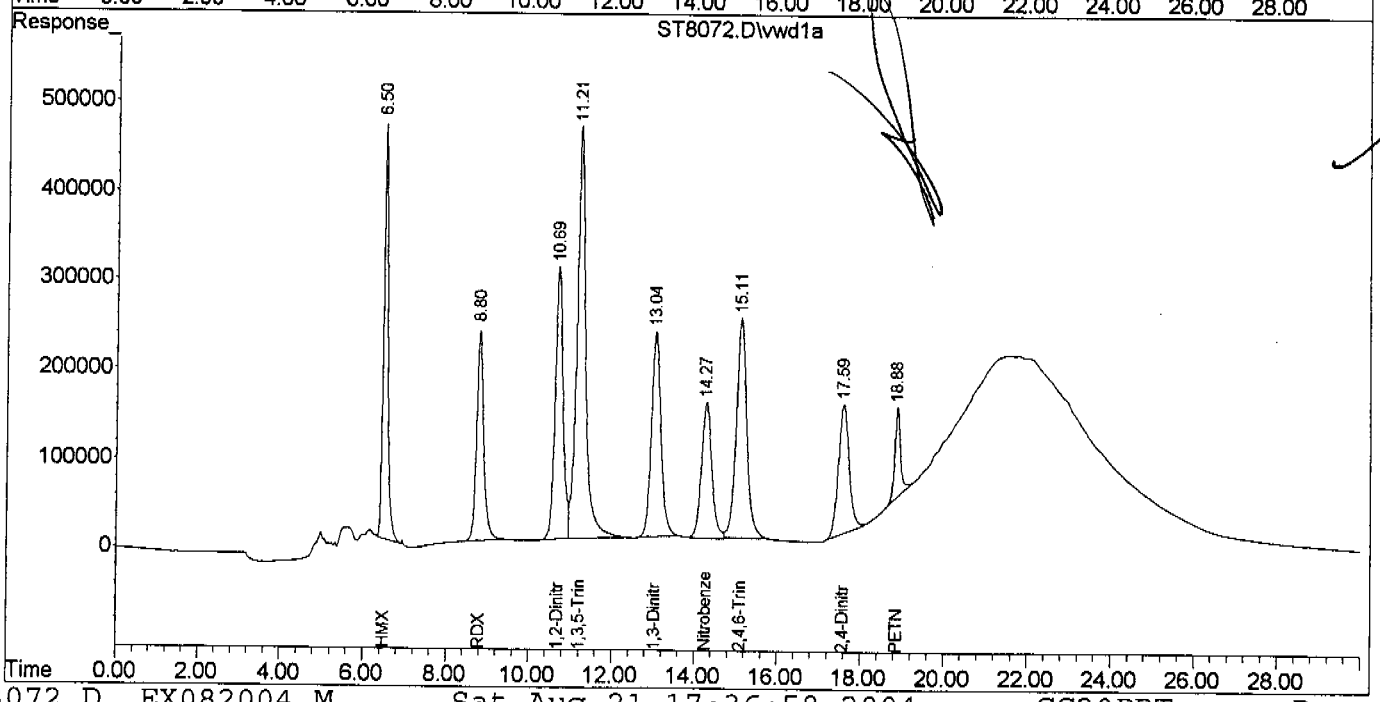
Quantitation Report (QT Reviewed)

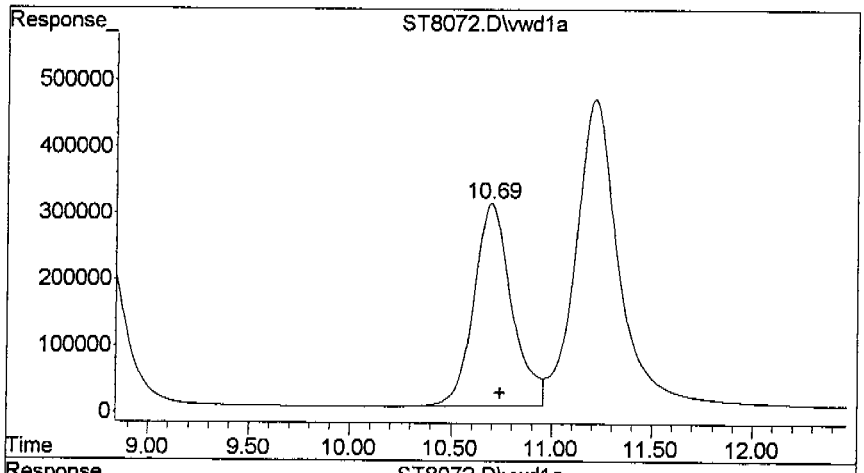
Signal #1 : D:\HPLC1\DATA\082004A\ST8072.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8072.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:15:27 Operator: caobinz
Sample : cc368-2,A 2 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:57 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

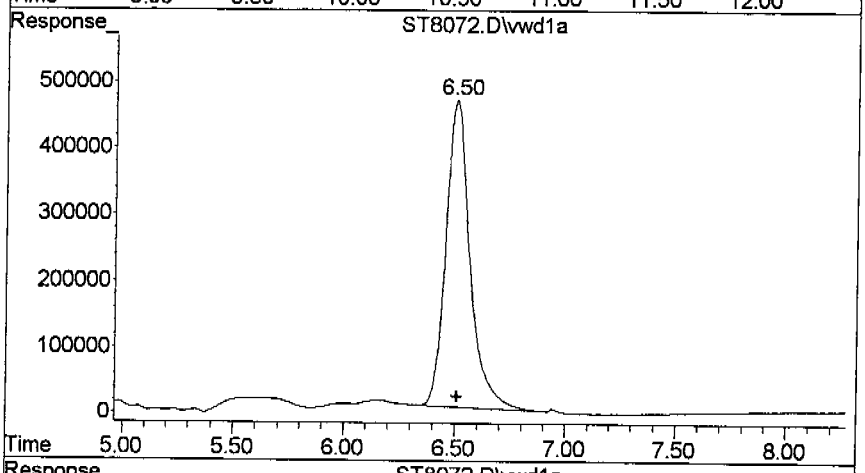






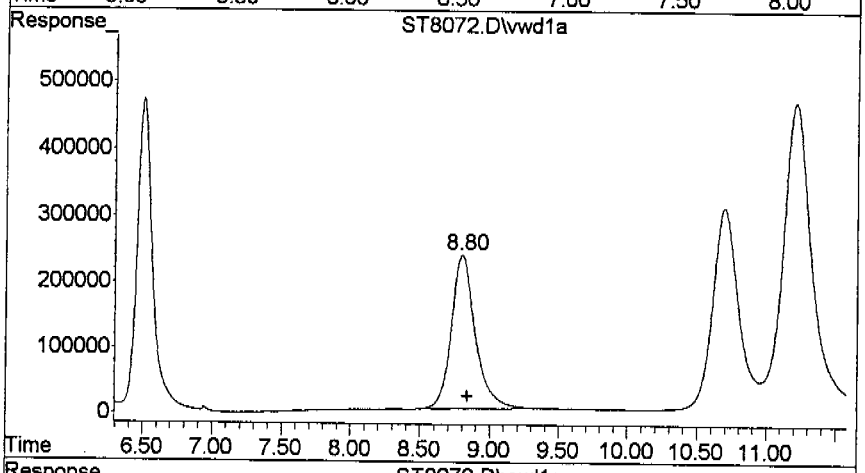
#2 1,2-Dinitrobenzene

R.T.: 10.692 min
Delta R.T.: -0.047 min
Response: 39691935
Conc: 1.87 ug/ml m



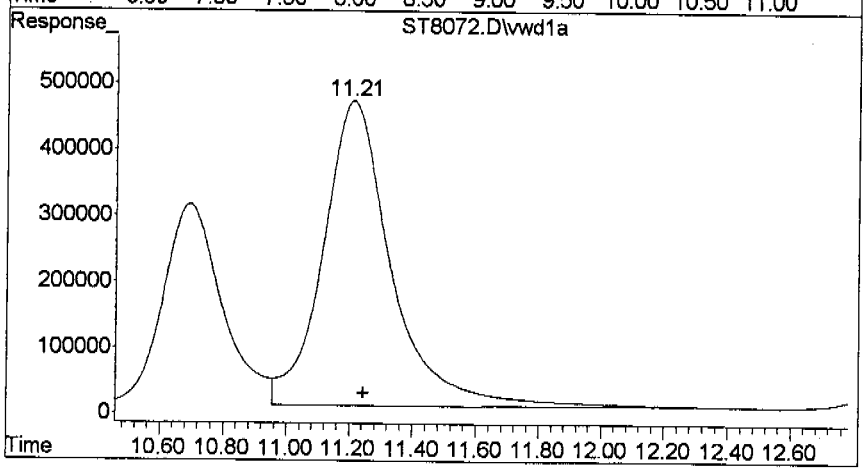
#3 HMX

R.T.: 6.500 min
Delta R.T.: -0.009 min
Response: 35120214
Conc: 1.90 ppb m



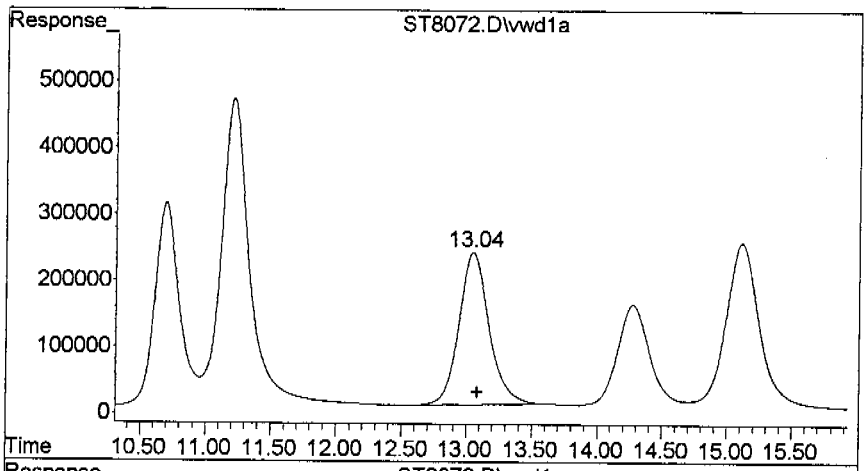
#4 RDX

R.T.: 8.795 min
Delta R.T.: -0.039 min
Response: 28137473
Conc: 1.90 ppb m



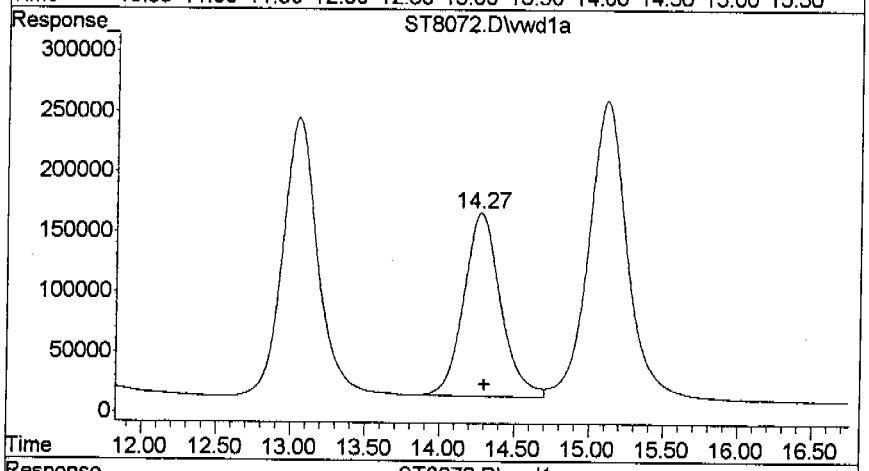
#5 1,3,5-Trinitrobenzene

R.T.: 11.210 min
Delta R.T.: -0.036 min
Response: 69973493
Conc: 2.00 ppb m



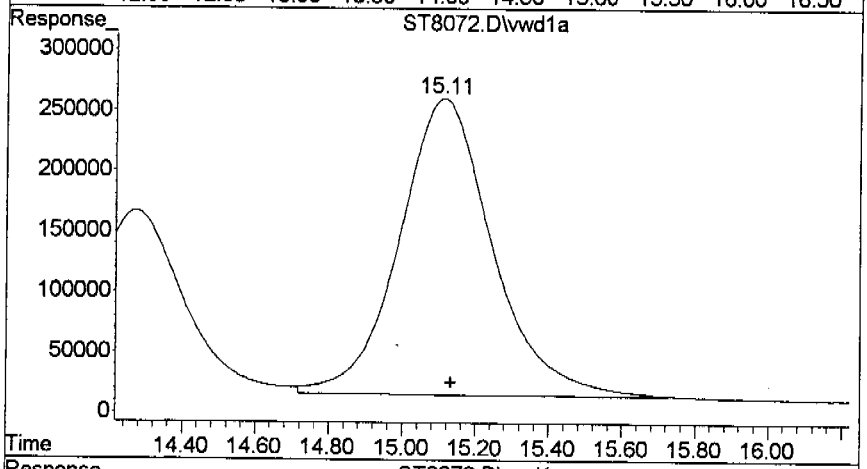
#6 1,3-Dinitrobenzene

R.T.: 13.045 min
Delta R.T.: -0.037 min
Response: 36799512
Conc: 2.00 ppb m



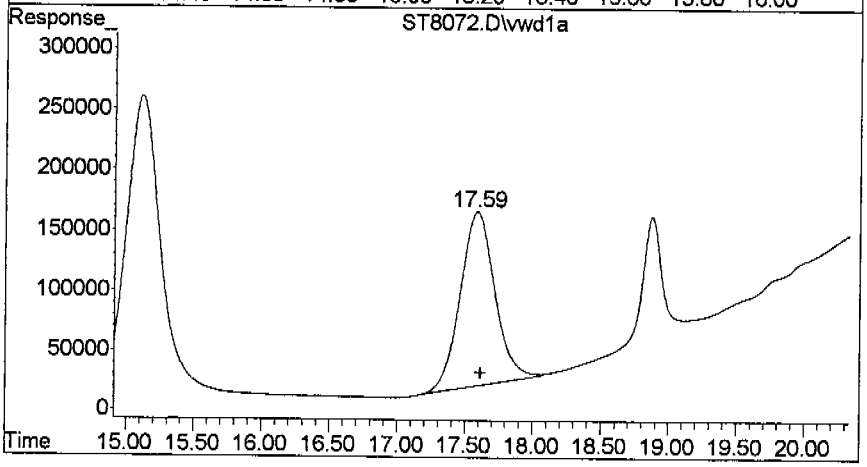
#7 Nitrobenzene

R.T.: 14.271 min
Delta R.T.: -0.031 min
Response: 26328655
Conc: 2.02 ppb m



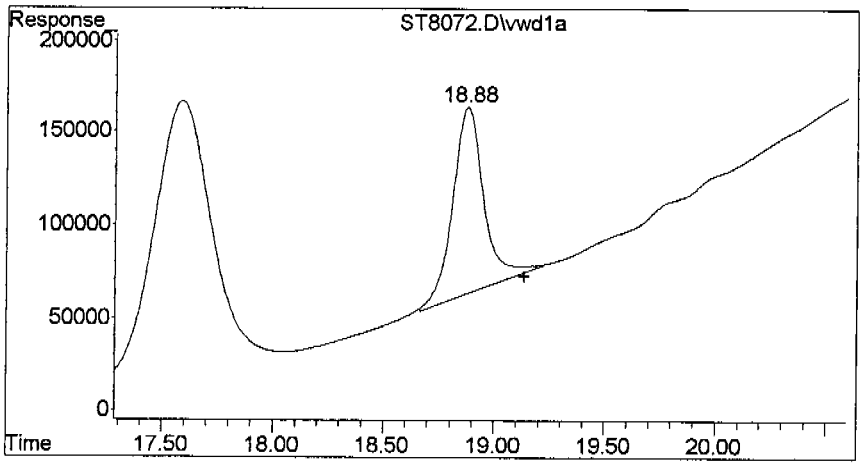
#8 2,4,6-Trinitrotoluene

R.T.: 15.110 min
Delta R.T.: -0.021 min
Response: 43693797
Conc: 1.98 ppb m



#9 2,4-Dinitrotoluene

R.T.: 17.585 min
Delta R.T.: -0.031 min
Response: 25983708
Conc: 2.14 ppb m



#10 PETN

R.T.: 18.877 min
Delta R.T.: -0.257 min
Response: 9673403
Conc: 2.05 ppb m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: sonal
Sample : cc368-5,B 5 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2 s	1,2-Dinitrobenzene	21.227	19.961 E6	6.0	97	0.02
11	Tetryl	20.135	21.397 E6	-6.3	98	0.06
12	4-Amino-2,6-Dinitrotoluene	21.727	22.159 E6	-2.0	99	0.07
13	2-Amino-4,6-Dinitrotoluene	23.382	23.420 E6	-0.2	100	0.06
14	2,6-Dinitrotoluene	14.815	14.846 E6	-0.2	99	0.07
15	o-Nitrotoluene	11.165	11.047 E6	1.1	101	0.03
16	p-Nitrotoluene	13.130	14.306 E6	-9.0	101	0.02
17	m-Nitrotoluene	14.544	16.175 E6	-11.2	101	0.02

08/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: sonal
Sample : cc368-5,B 5 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

8/22/04

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
3	HMX	18.441	0.000 E6	100.0#	0#	-6.51#
4	RDX	14.779	0.000 E6	100.0#	0#	-8.83#
5	1,3,5-Trinitrobenzene	45.415	0.000 E6	100.0#	0#	-11.25#
6	1,3-Dinitrobenzene	18.386	0.000 E6	100.0#	0#	-13.08#
7	Nitrobenzene	13.019	0.000 E6	100.0#	0#	-14.30#
8	2,4,6-Trinitrotoluene	22.045	0.000 E6	100.0#	0#	-15.13#
9	2,4-Dinitrotoluene	12.149	0.000 E6	100.0#	0#	-17.62#
10	PETN	4.722	0.000 E6	100.0#	0#	-19.13#
18	2,4-Diamino-6-Nitrotoluene	15.323	0.000 E6	100.0#	0#	-5.87#

19	2,6-Diamino-4-Nitrotoluene	66.534	0.000 E6	100.0#	0# -6.27#

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

ST8061.D EX082004.M Sat Aug 21 15:59:39 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: sonal
Sample : cc368-5,B 5 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:59 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.76	99803915	4.702 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	94.04%
Target Compounds			
11) Tetryl	12.40	106984106	5.313 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.08	110796704	5.099 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.08	117099535	5.008 ppb m
14) 2,6-Dinitrotoluene	16.88	74230293	5.011 ppb m
15) o-Nitrotoluene	18.97	55235924	4.947 ppb m
16) p-Nitrotoluene	19.41	71529114	5.448 ppb m
17) m-Nitrotoluene	19.80	80872747	5.561 ppb m

8/22/04

08/22/04

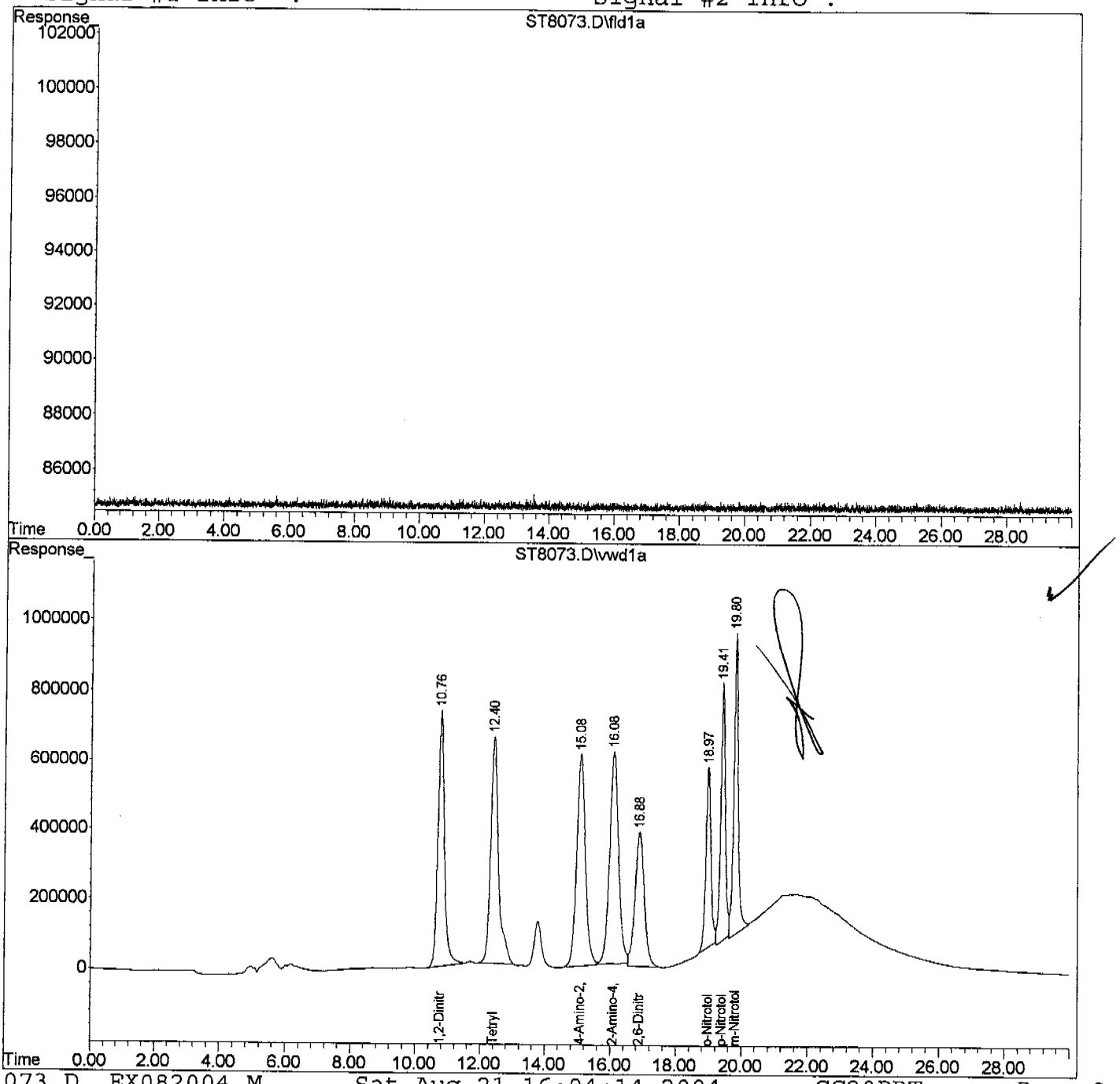
(f)=RT Delta > 1/2 Window (m)=manual int.

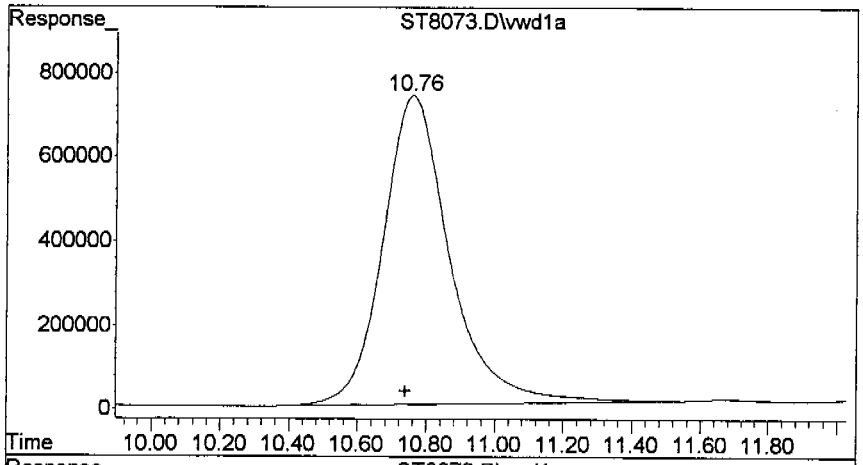
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: sonal
Sample : cc368-5,B 5 ug/ml Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:59 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

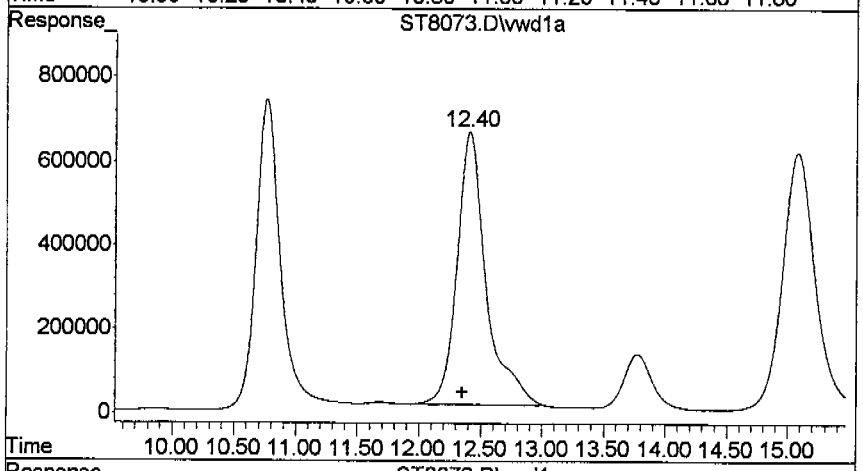
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





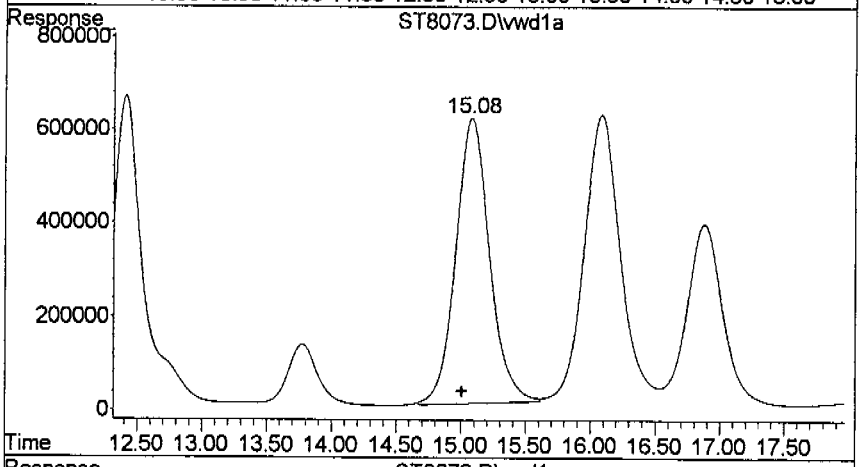
#2 1,2-Dinitrobenzene

R.T.: 10.757 min
Delta R.T.: 0.018 min
Response: 99803915
Conc: 4.70 ug/ml m



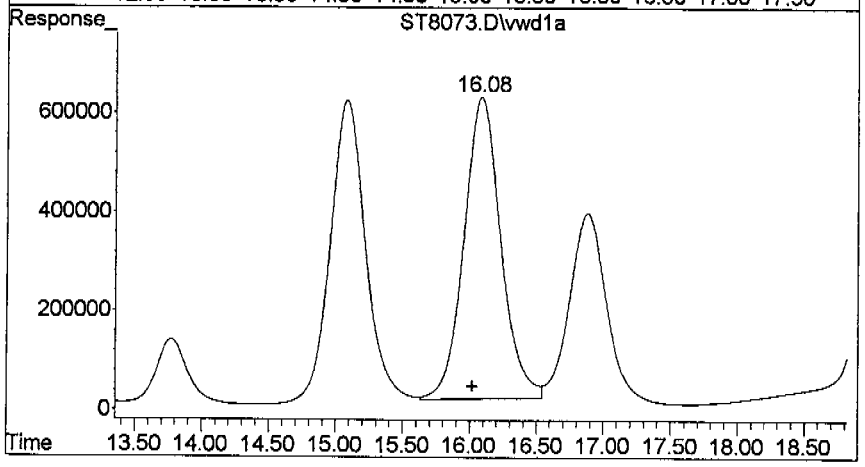
#11 Tetryl

R.T.: 12.404 min
Delta R.T.: 0.055 min
Response: 106984106
Conc: 5.31 ppb m



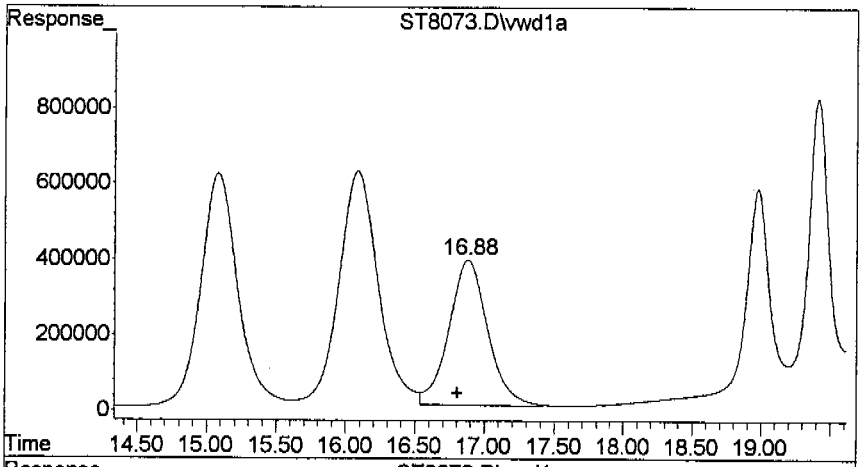
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.077 min
Delta R.T.: 0.072 min
Response: 110796704
Conc: 5.10 ppb m



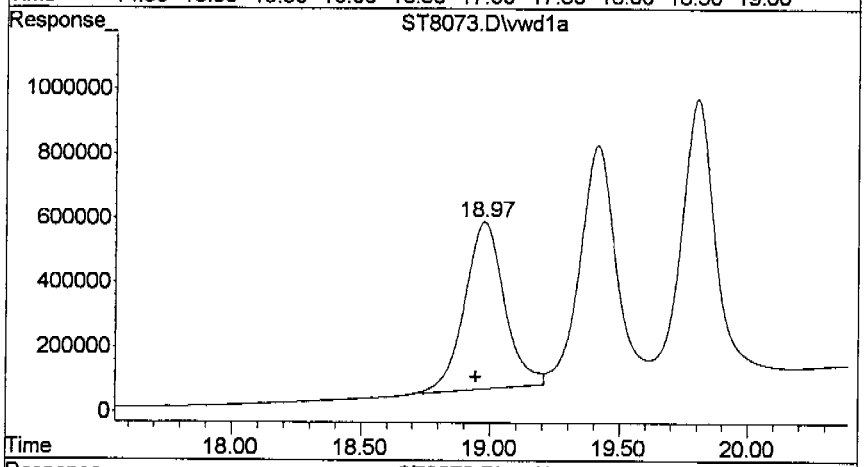
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.080 min
Delta R.T.: 0.064 min
Response: 117099535
Conc: 5.01 ppb m



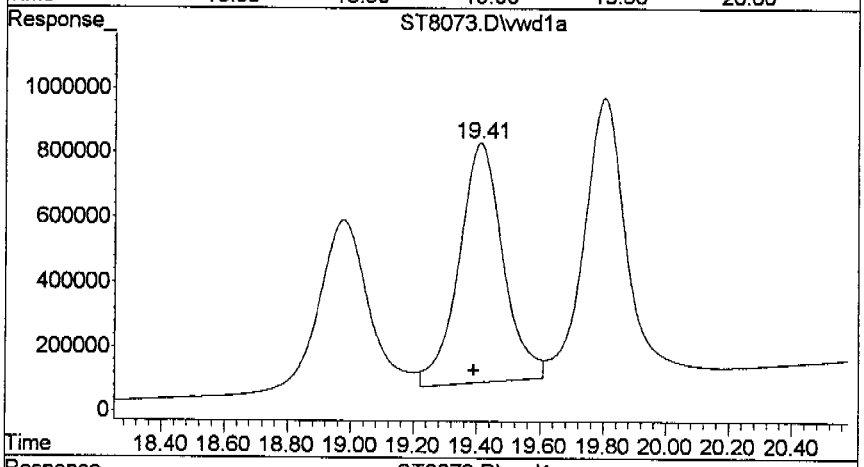
#14 2,6-Dinitrotoluene

R.T.: 16.877 min
Delta R.T.: 0.075 min
Response: 74230293
Conc: 5.01 ppb m



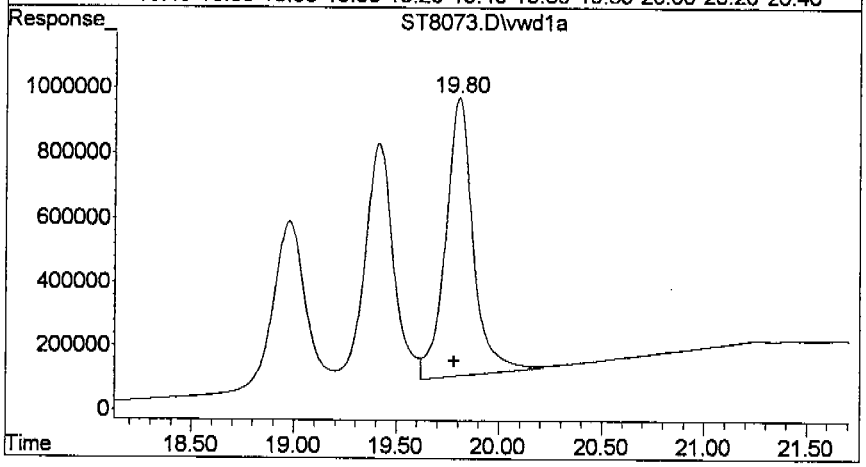
#15 o-Nitrotoluene

R.T.: 18.975 min
Delta R.T.: 0.032 min
Response: 55235924
Conc: 4.95 ppb m



#16 p-Nitrotoluene

R.T.: 19.410 min
Delta R.T.: 0.020 min
Response: 71529114
Conc: 5.45 ppb m



#17 m-Nitrotoluene

R.T.: 19.802 min
Delta R.T.: 0.020 min
Response: 80872747
Conc: 5.56 ppb m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8082A.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8082A.D\vwd1a.ch
Acq On : 21-Aug-2004, 14:32:27 Operator: caobinz
Sample : icv368-5,B 5,icv 8/21,new Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

08/22/04

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2 s	1,2-Dinitrobenzene	21.227	20.521 E6	3.3	100	-0.02
11	Tetryl	20.135	23.129 E6	-14.9	106	-0.02
12	4-Amino-2,6-Dinitrotoluene	21.727	21.855 E6	-0.6	98	-0.08
13	2-Amino-4,6-Dinitrotoluene	23.382	22.986 E6	1.7	98	-0.12
14	2,6-Dinitrotoluene	14.815	14.932 E6	-0.8	99	-0.04
15	o-Nitrotoluene	11.165	10.963 E6	1.8	100	-0.03
16	p-Nitrotoluene	13.130	13.581 E6	-3.4	96	-0.04
17	m-Nitrotoluene	14.544	15.047 E6	-3.5	94	-0.03

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8082A.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8082A.D\vwd1a.ch
Acq On : 21-Aug-2004, 14:32:27 Operator: caobinz
Sample : icv368-5,B 5,icv 8/21,new Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

8/22/04

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
3	HMX	18.441	0.000 E6	100.0#	0#	-6.51#
4	RDX	14.779	0.000 E6	100.0#	0#	-8.83#
5	1,3,5-Trinitrobenzene	45.415	0.000 E6	100.0#	0#	-11.25#
6	1,3-Dinitrobenzene	18.386	0.000 E6	100.0#	0#	-13.08#
7	Nitrobenzene	13.019	0.000 E6	100.0#	0#	-14.30#
8	2,4,6-Trinitrotoluene	22.045	0.000 E6	100.0#	0#	-15.13#
9	2,4-Dinitrotoluene	12.149	0.000 E6	100.0#	0#	-17.62#
10	PETN	4.722	0.000 E6	100.0#	0#	-19.13#
18	2,4-Diamino-6-Nitrotoluene	15.329	0.000 E6	100.0#	0#	-5.87#

19	2,6-Diamino-4-Nitrotoluene	66.534	0.000 E6	100.0#	0# -6.27#

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

ST8061.D EX082004.M Sat Aug 21 16:46:35 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8082A.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8082A.D\vwd1a.ch
Acq On : 21-Aug-2004, 14:32:27 Operator: caobinz
Sample : icv368-5,B 5,icv 8/21,new Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:16 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.72	102607412	4.834 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	96.68%
Target Compounds			
11) Tetryl	12.33	115646115	5.743 ppb m
12) 4-Amino-2,6-Dinitrotoluene	14.92	109277222	5.030 ppb m
13) 2-Amino-4,6-Dinitrotoluene	15.90	114931078	4.915 ppb m
14) 2,6-Dinitrotoluene	16.76	74660290	5.040 ppb m
15) o-Nitrotoluene	18.92	54815145	4.910 ppb m
16) p-Nitrotoluene	19.35	67904617	5.172 ppb m
17) m-Nitrotoluene	19.75	75235661	5.173 ppb m

08/22/04

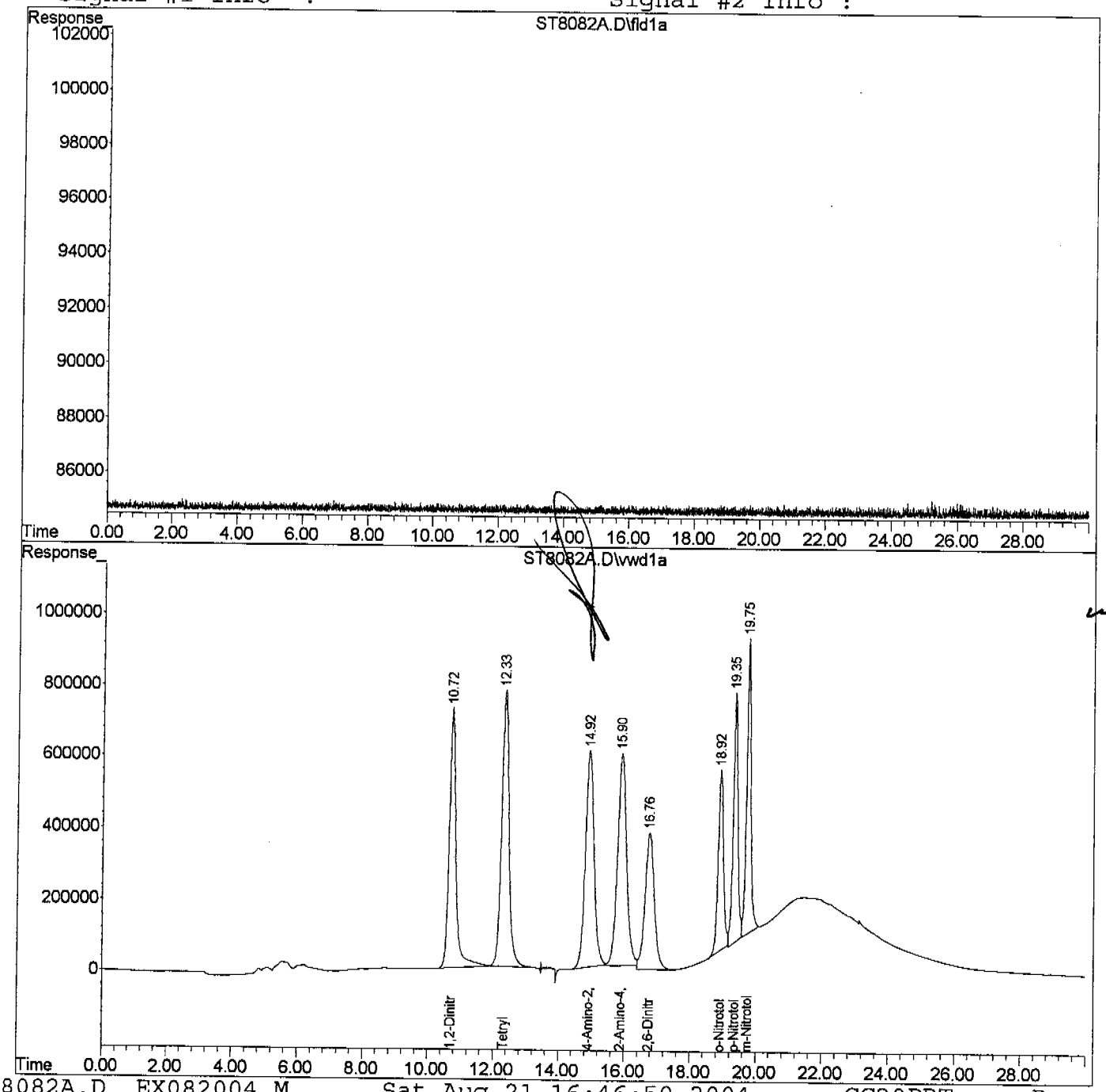
(f)=RT Delta > 1/2 Window (m)=manual int.

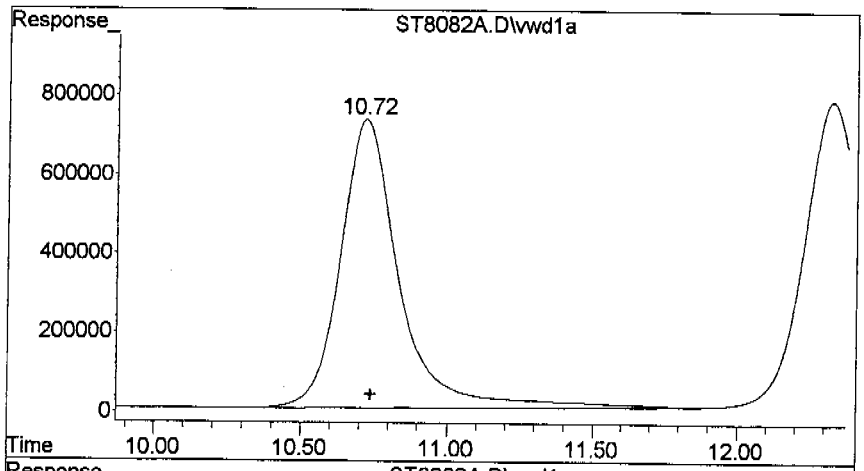
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8082A.D\fld1a.ch Vial: 14
Signal #2 : D:\HPLC1\DATA\082004A\ST8082A.D\vwd1a.ch
Acq On : 21-Aug-2004, 14:32:27 Operator: caobinz
Sample : icv368-5,B 5,icv 8/21,new Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:16 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

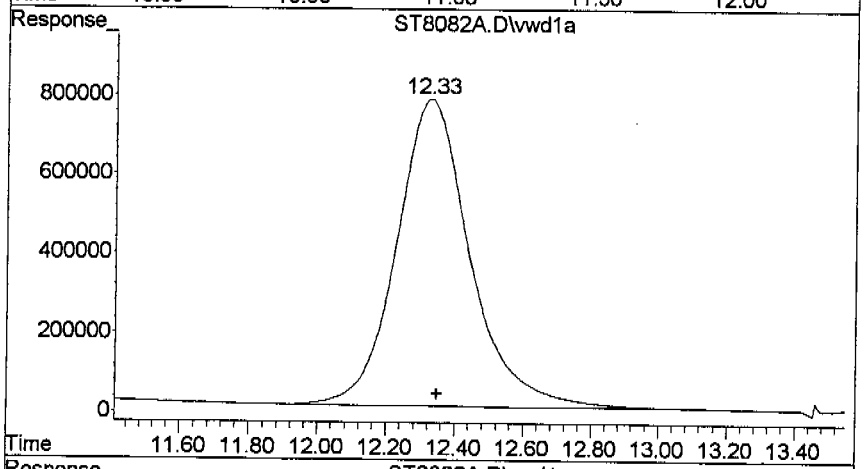
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





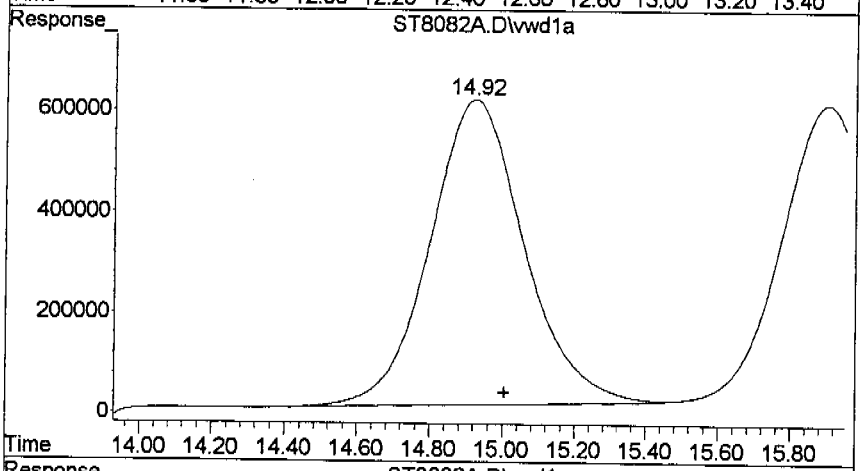
#2 1,2-Dinitrobenzene

R.T.: 10.718 min
Delta R.T.: -0.021 min
Response: 102607412
Conc: 4.83 ug/ml m



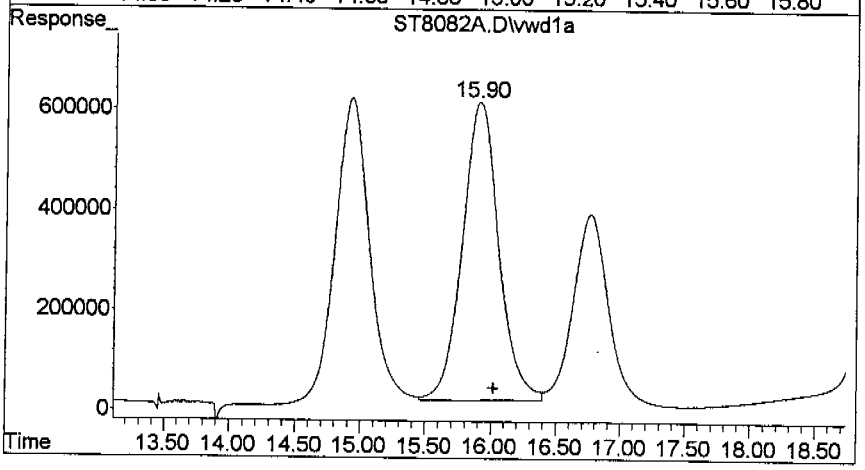
#11 Tetryl

R.T.: 12.325 min
Delta R.T.: -0.023 min
Response: 115646115
Conc: 5.74 ppb m



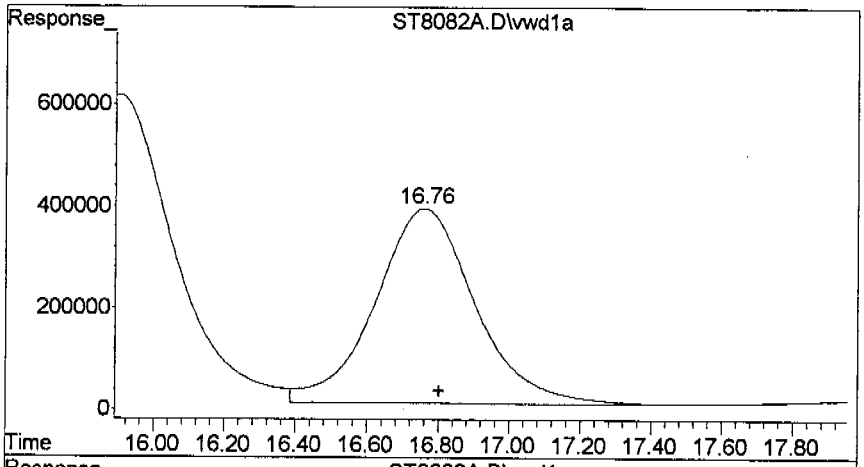
#12 4-Amino-2,6-Dinitrotolue

R.T.: 14.920 min
Delta R.T.: -0.084 min
Response: 109277222
Conc: 5.03 ppb m



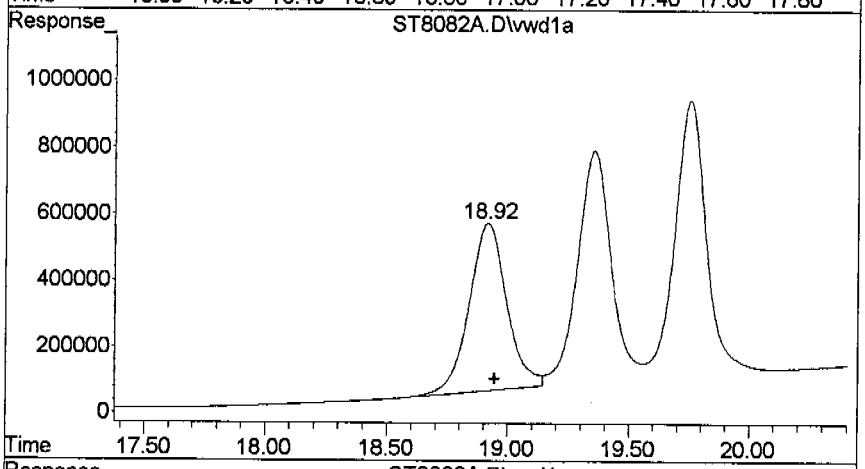
#13 2-Amino-4,6-Dinitrotolue

R.T.: 15.901 min
Delta R.T.: -0.115 min
Response: 114931078
Conc: 4.92 ppb m



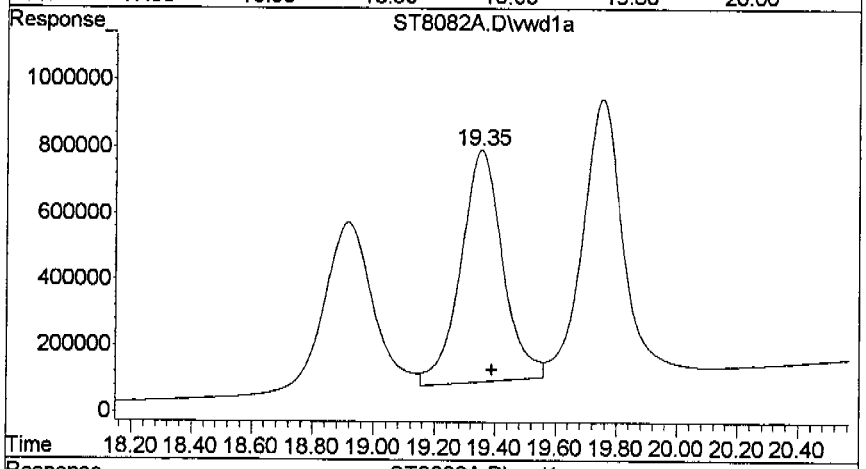
#14 2,6-Dinitrotoluene

R.T.: 16.760 min
Delta R.T.: -0.042 min
Response: 74660290
Conc: 5.04 ppb m



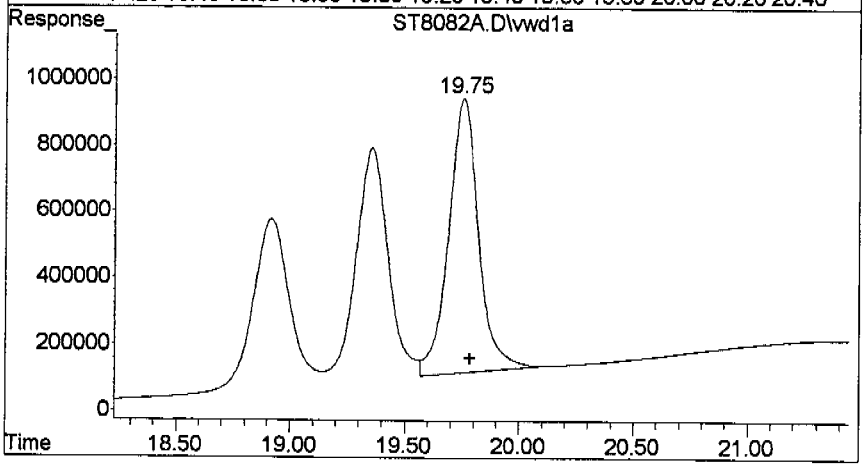
#15 o-Nitrotoluene

R.T.: 18.915 min
Delta R.T.: -0.028 min
Response: 54815145
Conc: 4.91 ppb m



#16 p-Nitrotoluene

R.T.: 19.353 min
Delta R.T.: -0.037 min
Response: 67904617
Conc: 5.17 ppb m



#17 m-Nitrotoluene

R.T.: 19.752 min
Delta R.T.: -0.031 min
Response: 75235661
Conc: 5.17 ppb m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8083.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8083.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:03:30 Operator: caobinz
Sample : cc368-5,A 5 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2 s	1,2-Dinitrobenzene	21.227	20.205 E6	4.8	99	0.43
3	HMX	18.441	17.902 E6	2.9	99	0.39
4	RDX	14.779	14.250 E6	3.6	100	0.41
5	1,3,5-Trinitrobenzene	45.415	32.216 E6	29.1#	96	0.38
6	1,3-Dinitrobenzene	18.386	18.963 E6	-3.1	101	0.39
7	Nitrobenzene	13.019	12.784 E6	1.8	96	0.40
8	2,4,6-Trinitrotoluene	22.045	22.096 E6	-0.2	98	0.45
9	2,4-Dinitrotoluene	12.149	14.088 E6	-16.0#	103	0.40
10	PETN	4.722	4.631 E6	1.9	99	-0.09

08/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8083.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8083.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:03:30 Operator: caobinz
Sample : cc368-5,A 5 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

8/22/04

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
11	Tetryl	20.135	0.000 E6	100.0#	0#	-12.35#
12	4-Amino-2,6-Dinitrotoluene	21.727	0.000 E6	100.0#	0#	-15.00#
13	2-Amino-4,6-Dinitrotoluene	23.382	0.000 E6	100.0#	0#	-16.02#
14	2,6-Dinitrotoluene	14.815	0.000 E6	100.0#	0#	-16.80#
15	o-Nitrotoluene	11.165	0.000 E6	100.0#	0#	-18.94#
16	p-Nitrotoluene	13.130	0.000 E6	100.0#	0#	-19.39#
17	m-Nitrotoluene	14.544	0.000 E6	100.0#	0#	-19.78#
18	2,4-Diamino-6-Nitrotoluene	15.335	0.000 E6	100.0#	0#	-5.87#

19	2,6-Diamino-4-Nitrotoluene	66.534	0.000 E6	100.0#	0#	-6.27#

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

ST8061.D EX082004.M Sat Aug 21 16:50:54 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8083.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8083.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:03:30 Operator: caobinz
Sample : cc368-5,A 5 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:48 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	11.17	101025679	4.759 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	95.18%
Target Compounds			
3) HMX	6.90	89511891	4.854 ppb m
4) RDX	9.25	71248265	4.821 ppb m
5) 1,3,5-Trinitrobenzene	11.63	161080479	4.783 ppb m
6) 1,3-Dinitrobenzene	13.47	94814016	5.157 ppb m
7) Nitrobenzene	14.70	63922277	4.910 ppb m
8) 2,4,6-Trinitrotoluene	15.58	110477840	5.012 ppb m
9) 2,4-Dinitrotoluene	18.01	70437679	5.798 ppb m
10) PETN	19.05	23154915	4.904 ppb m

8/24/04

08/24/04

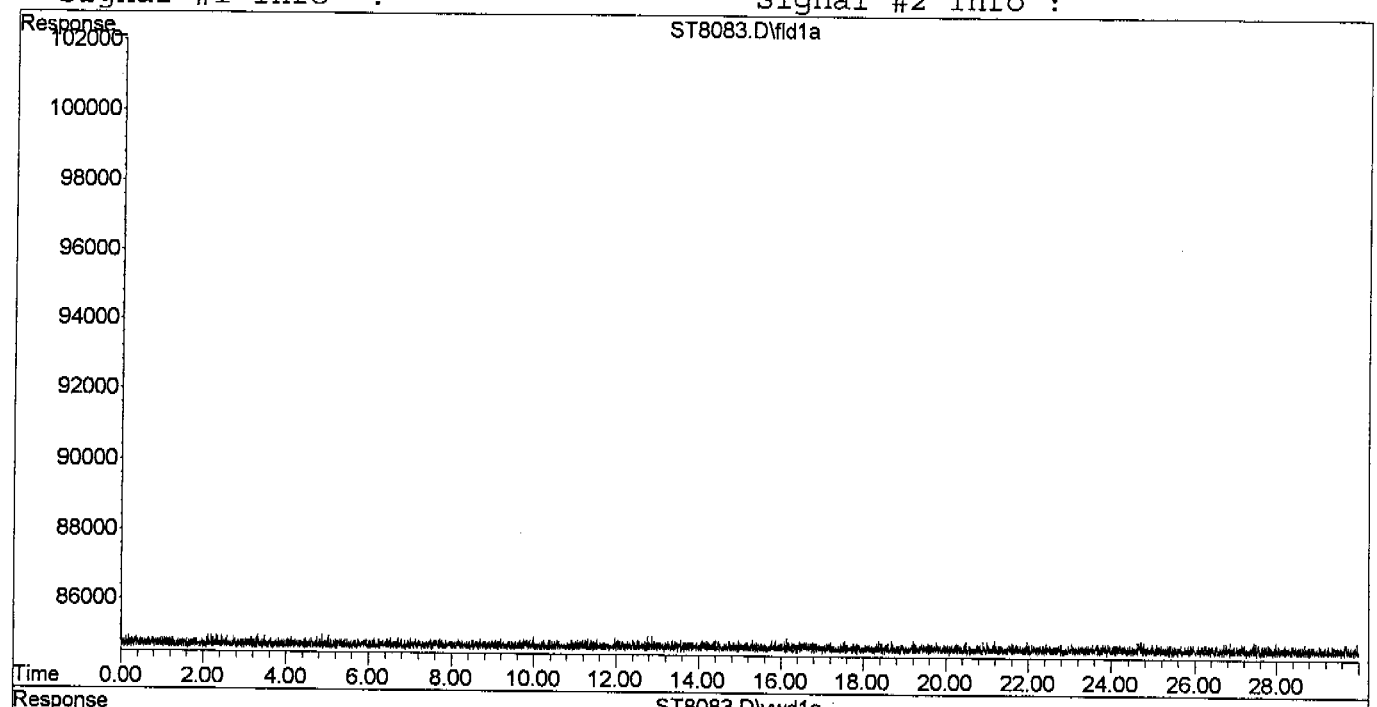
(f)=RT Delta > 1/2 Window (m)=manual int.

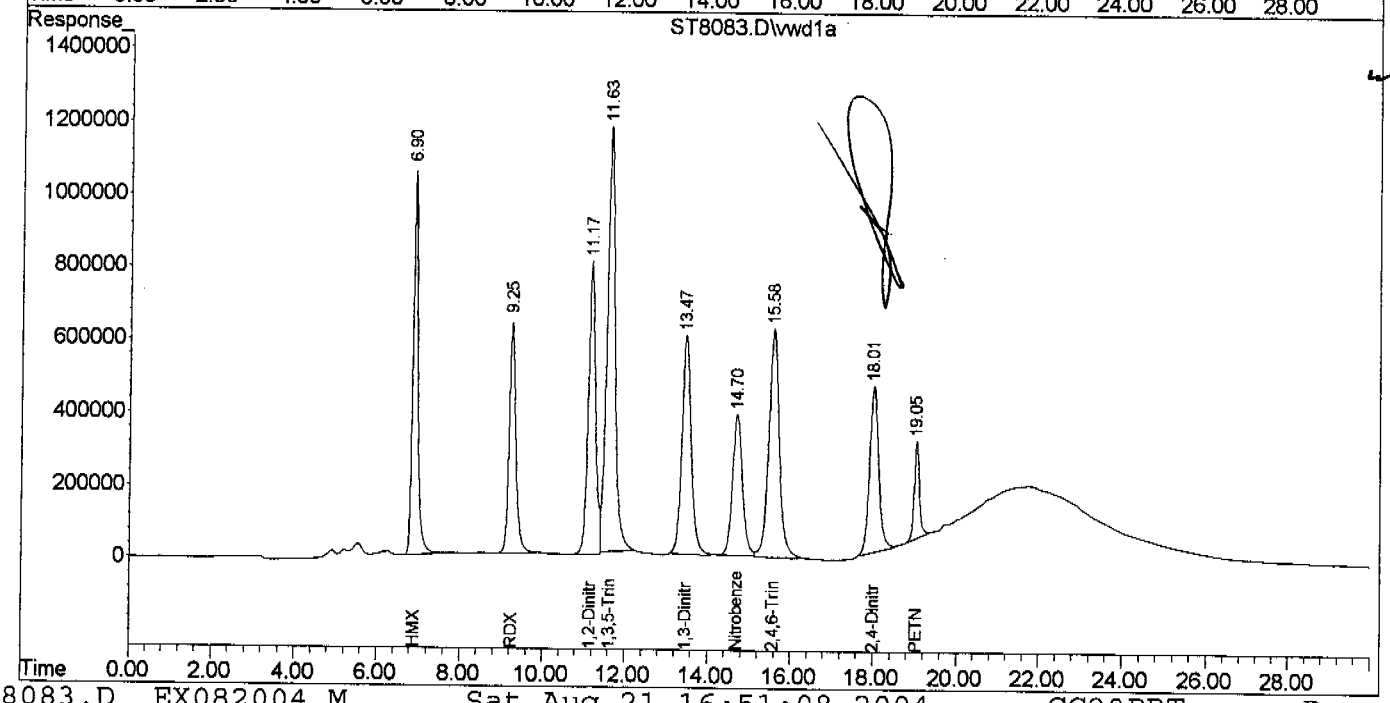
Quantitation Report (QT Reviewed)

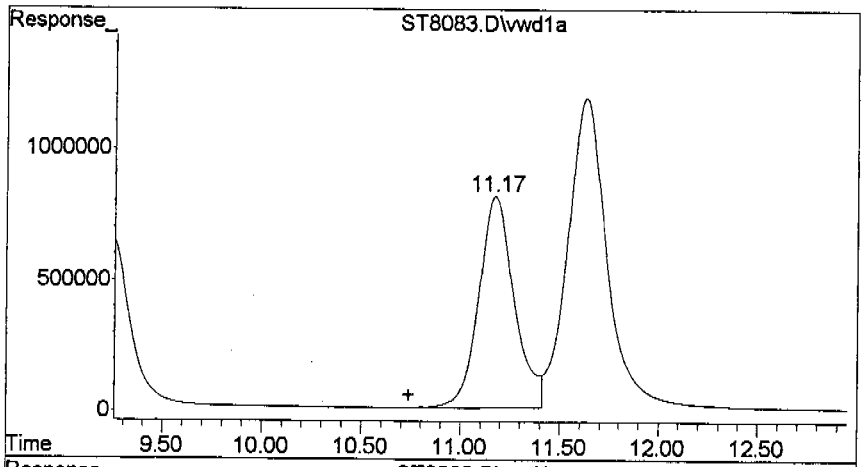
Signal #1 : D:\HPLC1\DATA\082004A\ST8083.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8083.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:03:30 Operator: caobinz
Sample : cc368-5,A 5 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:48 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

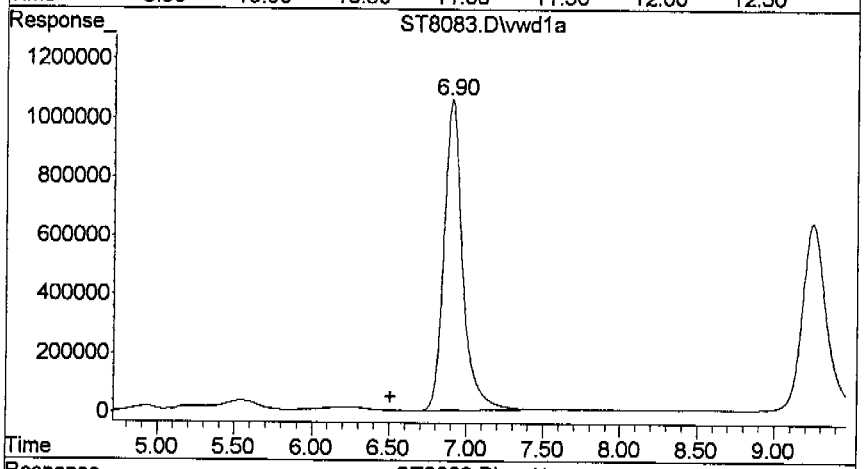






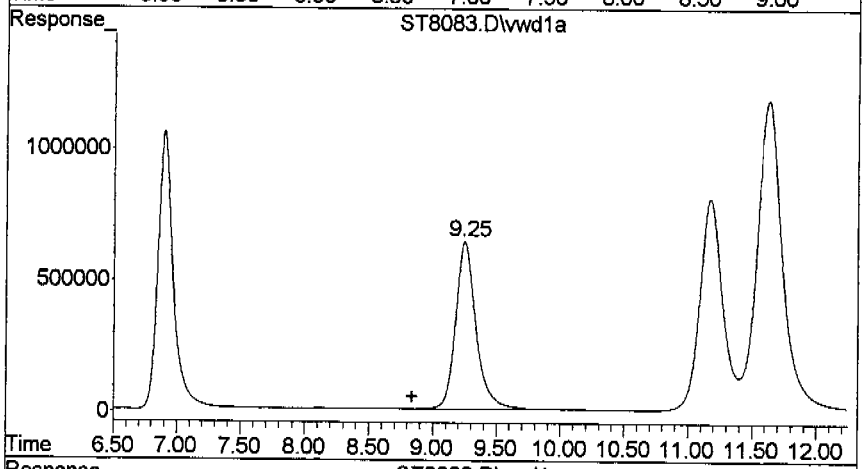
#2 1,2-Dinitrobenzene

R.T.: 11.172 min
Delta R.T.: 0.433 min
Response: 101025679
Conc: 4.76 ug/ml m



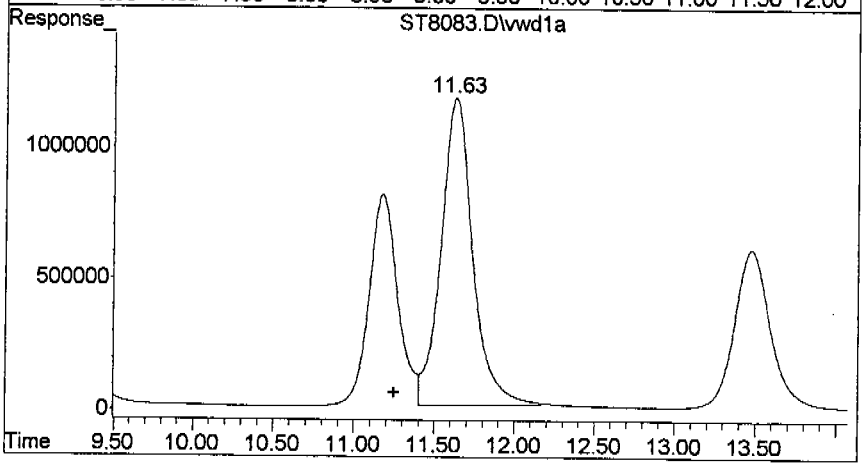
#3 HMX

R.T.: 6.899 min
Delta R.T.: 0.390 min
Response: 89511891
Conc: 4.85 ppb m



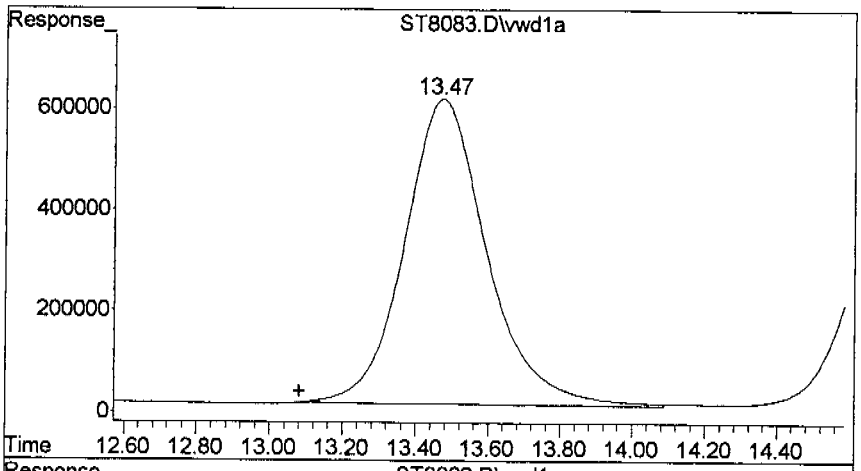
#4 RDX

R.T.: 9.246 min
Delta R.T.: 0.411 min
Response: 71248265
Conc: 4.82 ppb m



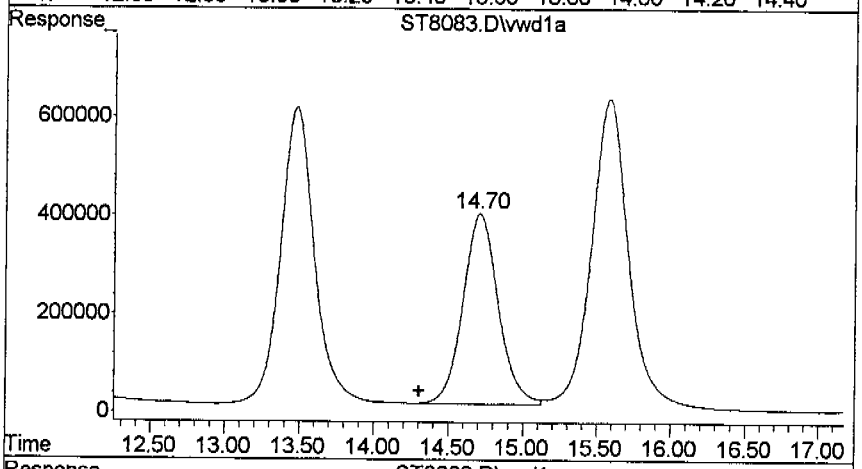
#5 1,3,5-Trinitrobenzene

R.T.: 11.625 min
Delta R.T.: 0.380 min
Response: 161080479
Conc: 4.78 ppb m



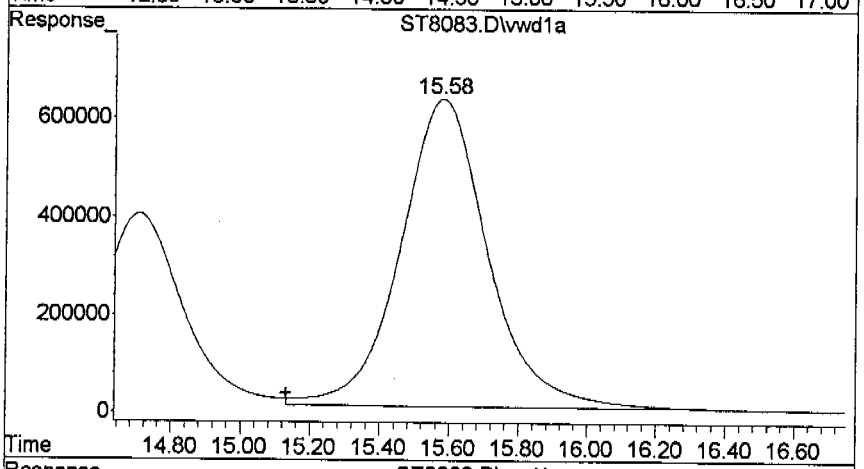
#6 1,3-Dinitrobenzene

R.T.: 13.472 min
Delta R.T.: 0.390 min
Response: 94814016
Conc: 5.16 ppb m



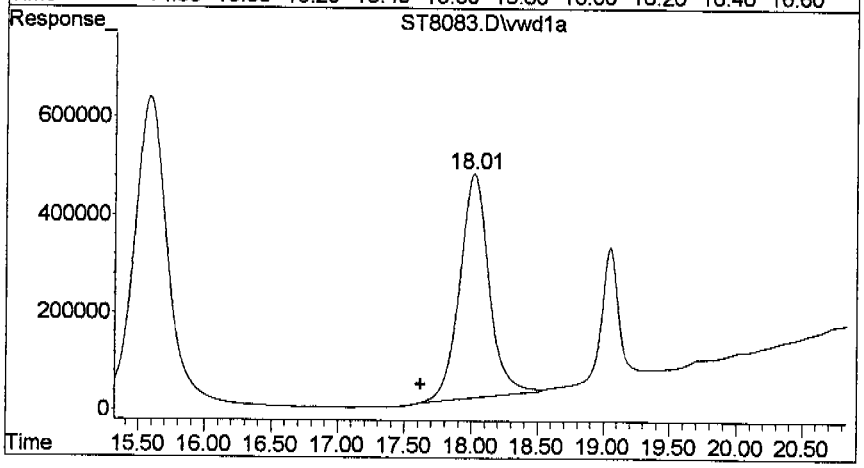
#7 Nitrobenzene

R.T.: 14.704 min
Delta R.T.: 0.402 min
Response: 63922277
Conc: 4.91 ppb m



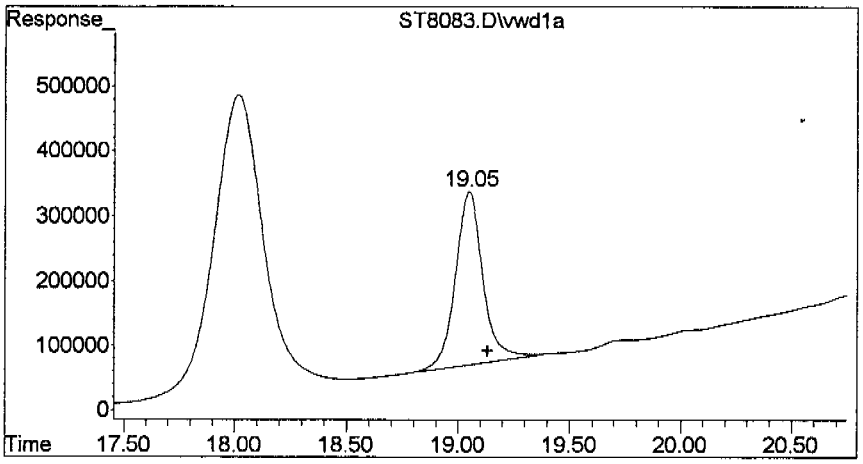
#8 2,4,6-Trinitrotoluene

R.T.: 15.578 min
Delta R.T.: 0.447 min
Response: 110477840
Conc: 5.01 ppb m



#9 2,4-Dinitrotoluene

R.T.: 18.015 min
Delta R.T.: 0.399 min
Response: 70437679
Conc: 5.80 ppb m



#10 PETN

R.T.: 19.047 min
Delta R.T.: -0.086 min
Response: 23154915
Conc: 4.90 ppb m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:34:11 Operator: caobinz
Sample : cc368-2,B 2 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 16:51:20 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
2 s	1,2-Dinitrobenzene	21.227	21.909 E6	-3.2	104	-0.49
11	Tetryl	20.135	21.168 E6	-5.1	99	-0.07
12	4-Amino-2,6-Dinitrotoluene	21.727	21.691 E6	0.2	101	-0.05
13	2-Amino-4,6-Dinitrotoluene	23.382	22.682 E6	3.0	97	-0.05
14	2,6-Dinitrotoluene	14.815	14.288 E6	3.6	96	-0.08
15	o-Nitrotoluene	11.165	10.260 E6	8.1	97	-0.05
16	p-Nitrotoluene	13.130	12.819 E6	2.4	94	-0.04
17	m-Nitrotoluene	14.544	15.164 E6	-4.3	101	-0.04

08/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:34:11 Operator: caobinz
Sample : cc368-2,B 2 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

8/22/04

Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 16:51:20 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 115%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2						
3	HMX	18.441	0.000 E6	100.0#	0#	-6.90#
4	RDX	14.779	0.000 E6	100.0#	0#	-9.25#
5	1,3,5-Trinitrobenzene	45.415	0.000 E6	100.0#	0#	-11.63#
6	1,3-Dinitrobenzene	18.386	0.000 E6	100.0#	0#	-13.47#
7	Nitrobenzene	13.019	0.000 E6	100.0#	0#	-14.70#
8	2,4,6-Trinitrotoluene	22.045	0.000 E6	100.0#	0#	-15.58#
9	2,4-Dinitrotoluene	12.149	0.000 E6	100.0#	0#	-18.01#
10	PETN	4.722	0.000 E6	100.0#	0#	-19.05#
18	2,4-Diamino-6-Nitrotoluene	15.342	0.000 E6	100.0#	0#	-5.87#

19	2,6-Diamino-4-Nitrotoluene	66.534	0.000 E6	100.0#	0# -6.27#

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

ST8057.D EX082004.M Sat Aug 21 17:15:03 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:34:11 Operator: caobinz
Sample : cc368-2,B 2 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 17:14 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 16:51:20 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.69	43818631	2.064 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	41.28%
Target Compounds			
11) Tetryl	12.28	42336970	2.103 ppb m
12) 4-Amino-2,6-Dinitrotoluene	14.95	43382212	1.997 ppb m
13) 2-Amino-4,6-Dinitrotoluene	15.97	45363683	1.940 ppb m
14) 2,6-Dinitrotoluene	16.73	28576022	1.929 ppb m
15) o-Nitrotoluene	18.89	20520584	1.838 ppb m
16) p-Nitrotoluene	19.35	25638218	1.953 ppb m
17) m-Nitrotoluene	19.75	30328684	2.085 ppb m

S

8/22/04

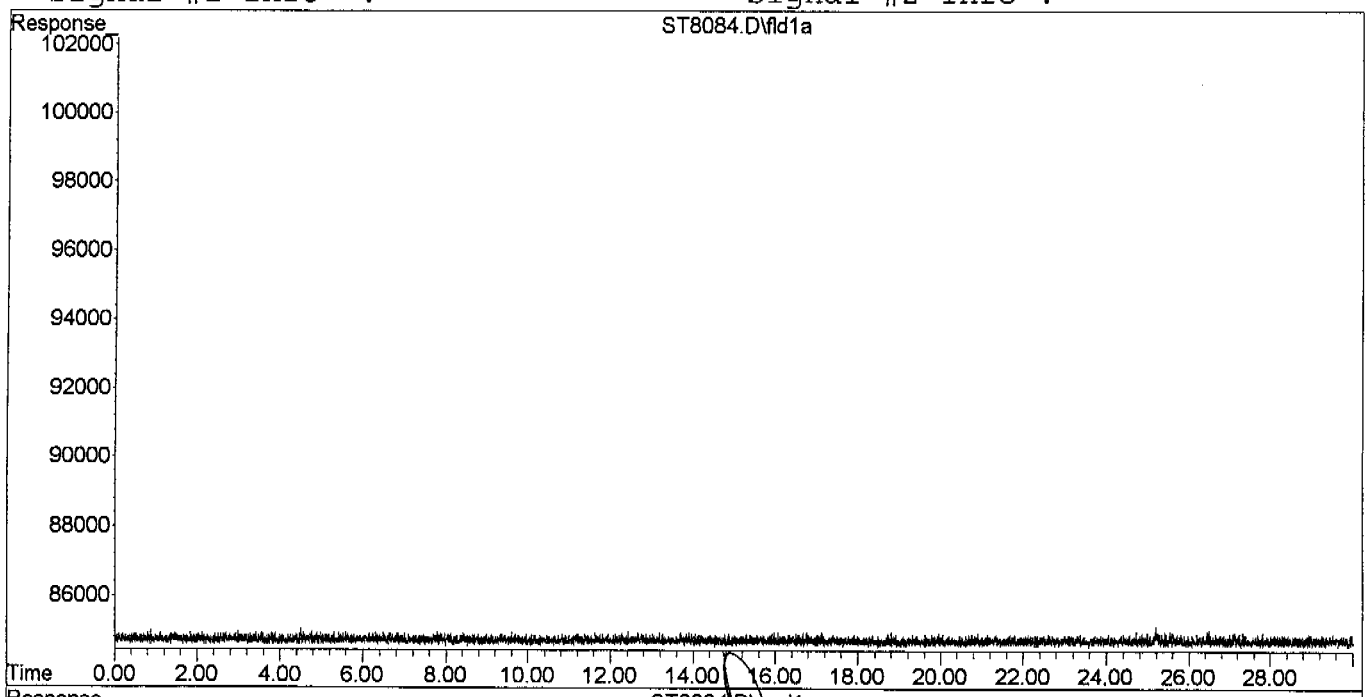
(f)=RT Delta > 1/2 Window (m)=manual int.

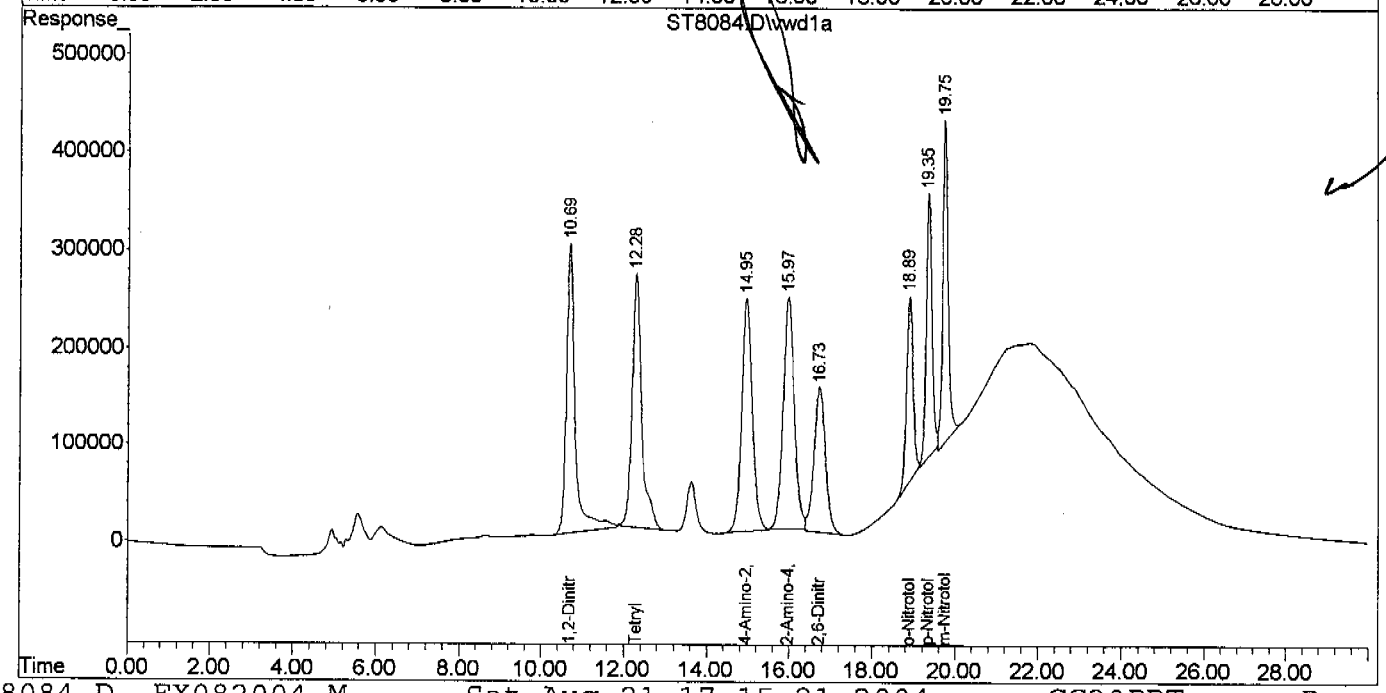
Quantitation Report (QT Reviewed)

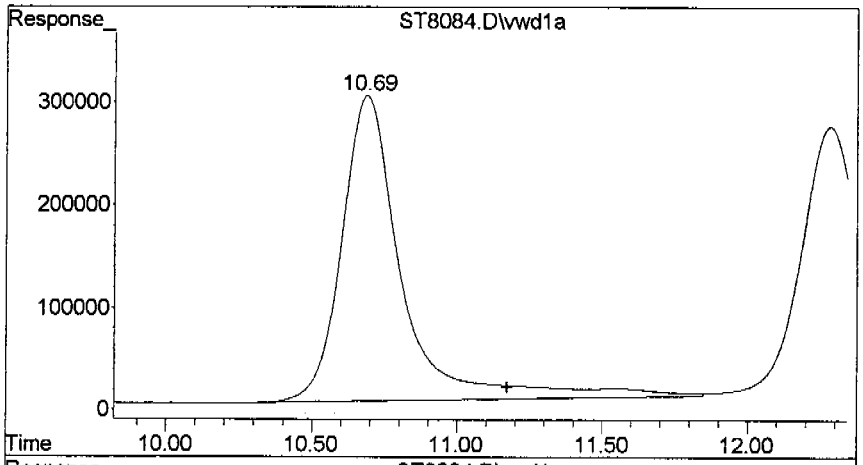
Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:34:11 Operator: caobinz
Sample : cc368-2,B 2 Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 17:14 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 16:51:20 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

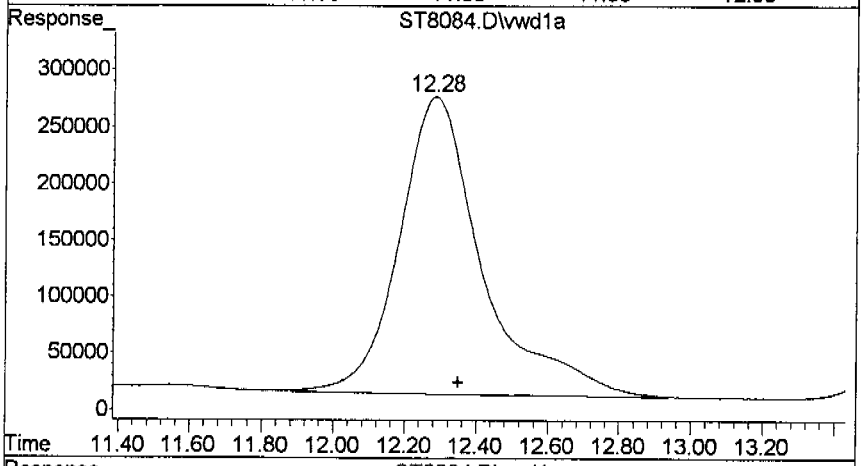






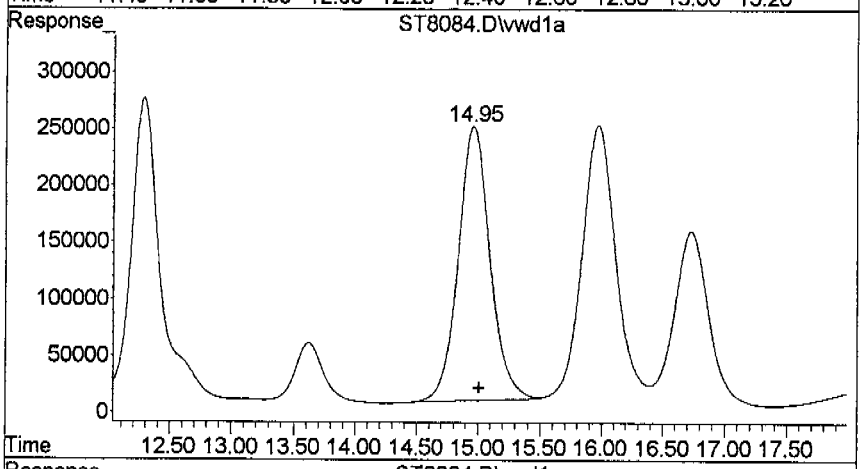
#2 1,2-Dinitrobenzene

R.T.: 10.685 min
Delta R.T.: -0.486 min
Response: 43818631
Conc: 2.06 ug/ml m



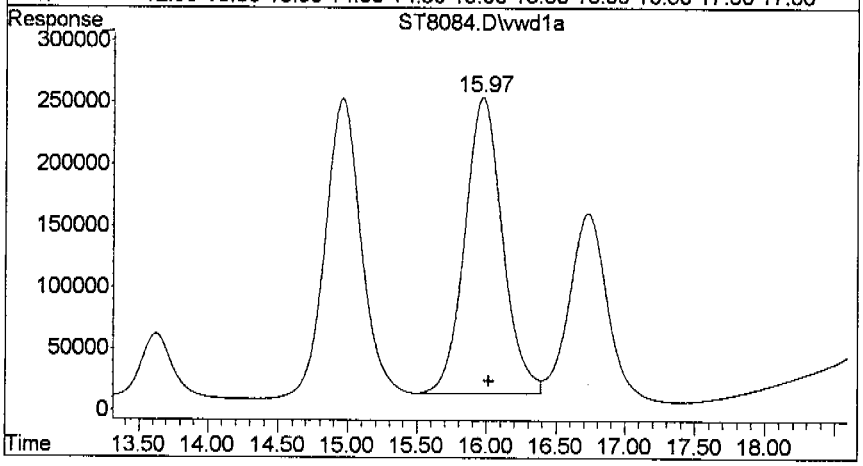
#11 Tetryl

R.T.: 12.282 min
Delta R.T.: -0.067 min
Response: 42336970
Conc: 2.10 ppb m



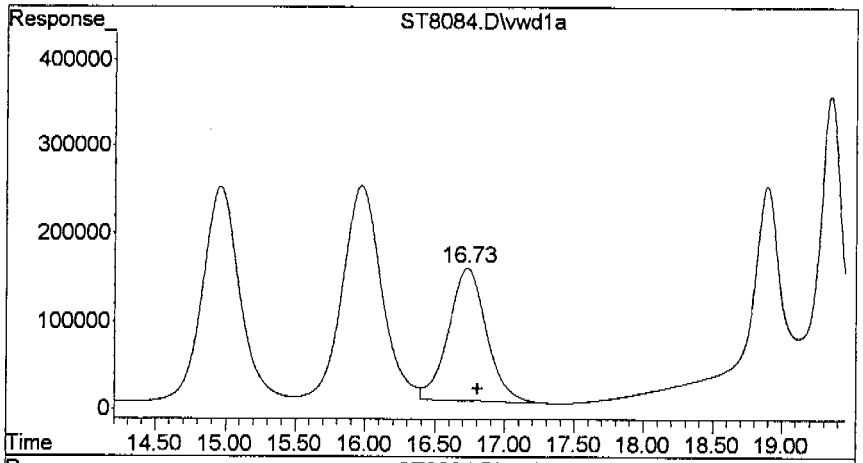
#12 4-Amino-2,6-Dinitrotolue

R.T.: 14.954 min
Delta R.T.: -0.050 min
Response: 43382212
Conc: 2.00 ppb m



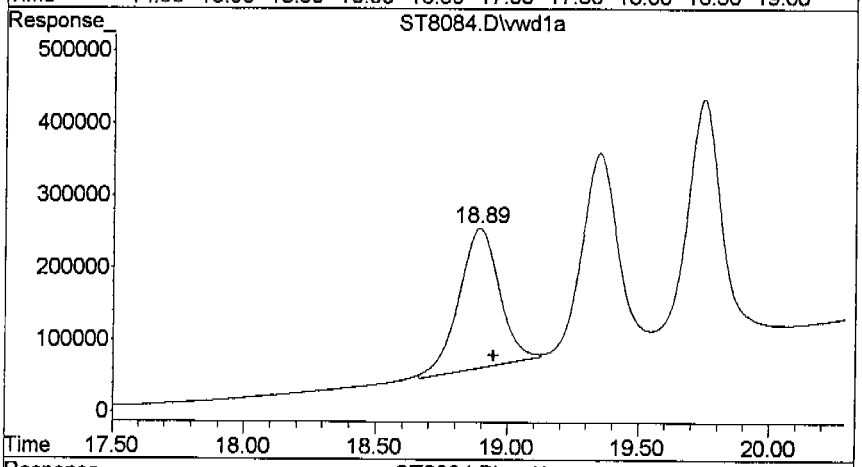
#13 2-Amino-4,6-Dinitrotolue

R.T.: 15.967 min
Delta R.T.: -0.049 min
Response: 45363683
Conc: 1.94 ppb m



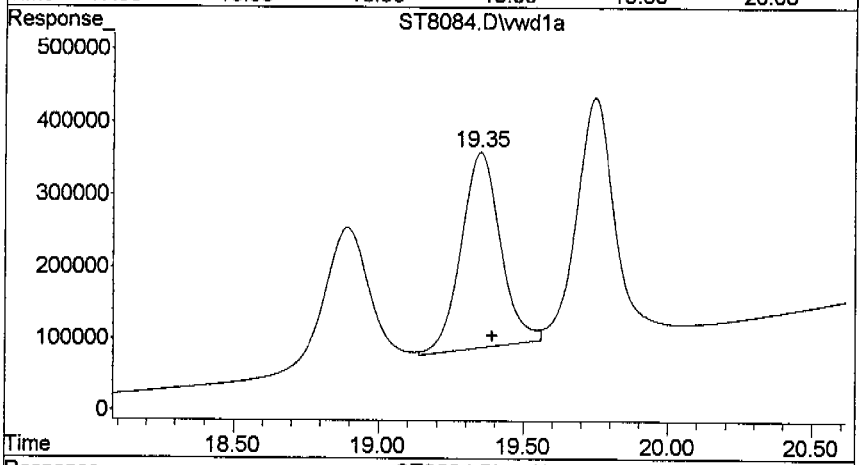
#14 2,6-Dinitrotoluene

R.T.: 16.726 min
Delta R.T.: -0.076 min
Response: 28576022
Conc: 1.93 ppb m



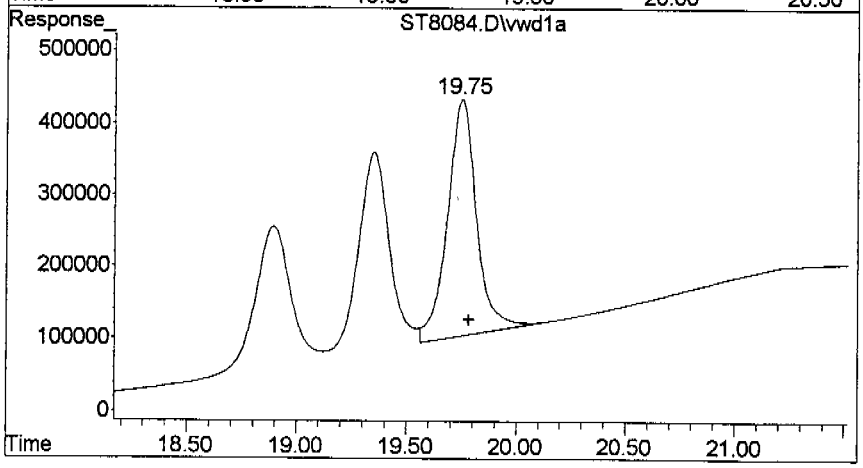
#15 o-Nitrotoluene

R.T.: 18.890 min
Delta R.T.: -0.053 min
Response: 20520584
Conc: 1.84 ppb m



#16 p-Nitrotoluene

R.T.: 19.347 min
Delta R.T.: -0.043 min
Response: 25638218
Conc: 1.95 ppb m



#17 m-Nitrotoluene

R.T.: 19.747 min
Delta R.T.: -0.036 min
Response: 30328684
Conc: 2.09 ppb m

QC Raw Data

8330

(Test)

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8074.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8074.D\vwd1a.ch
Acq On : 21-Aug-2004, 09:56:37 Operator: sonal
Sample : op7581-mb Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:20 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	11.15	92419294	4.354 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	87.08%
Target Compounds			
15) o-Nitrotoluene	19.02	511838	0.046 ppb m
16) p-Nitrotoluene	19.65	378352	0.029 ppb m

08/22/04

8/22/04

S

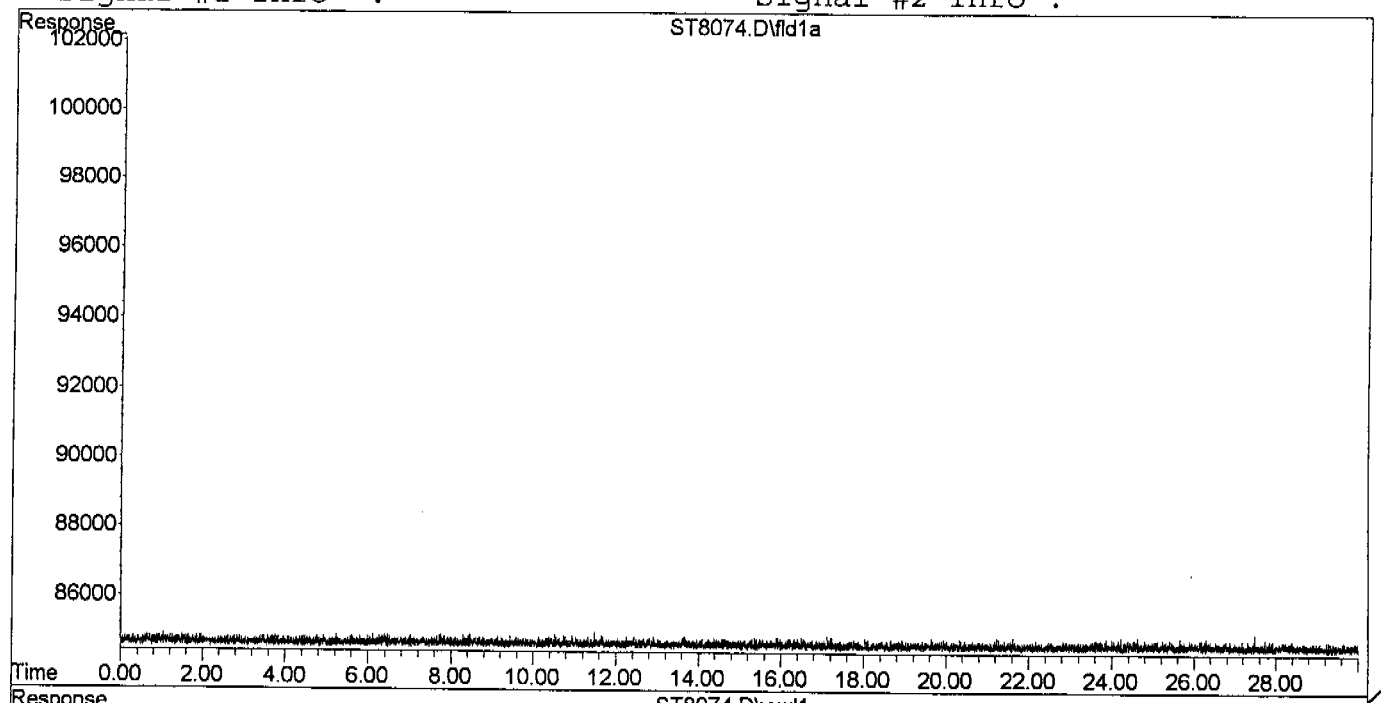
(f)=RT Delta > 1/2 Window (m)=manual int.

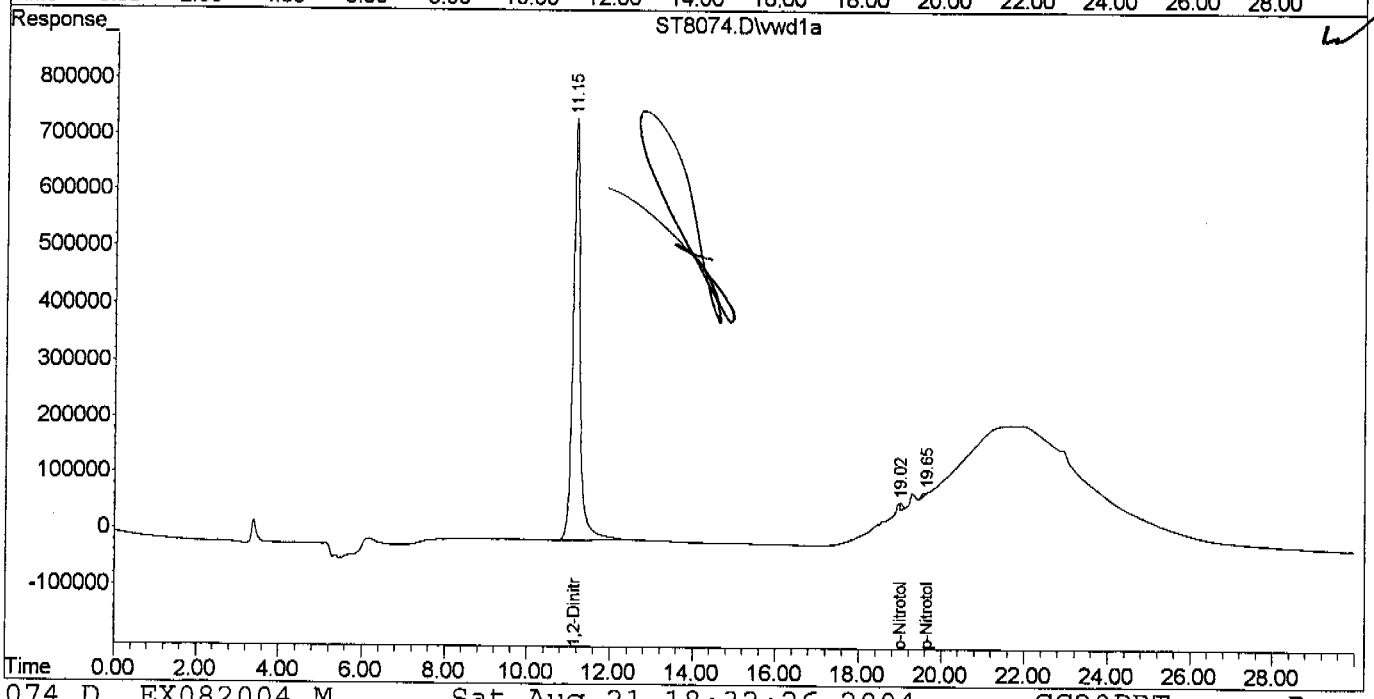
Quantitation Report (QT Reviewed)

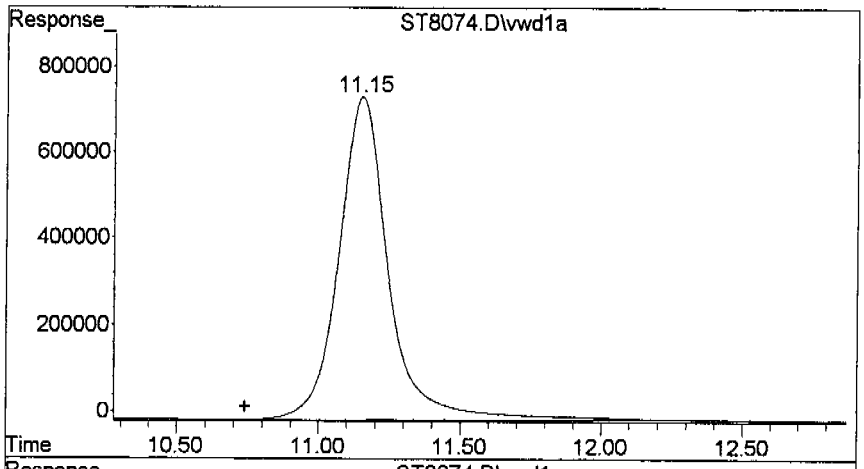
Signal #1 : D:\HPLC1\DATA\082004A\ST8074.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8074.D\vwd1a.ch
Acq On : 21-Aug-2004, 09:56:37 Operator: sonal
Sample : op7581-mb Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:20 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

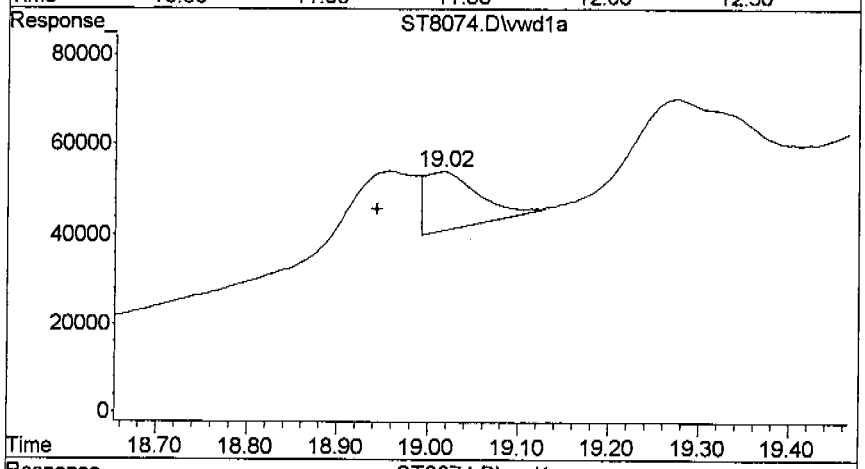






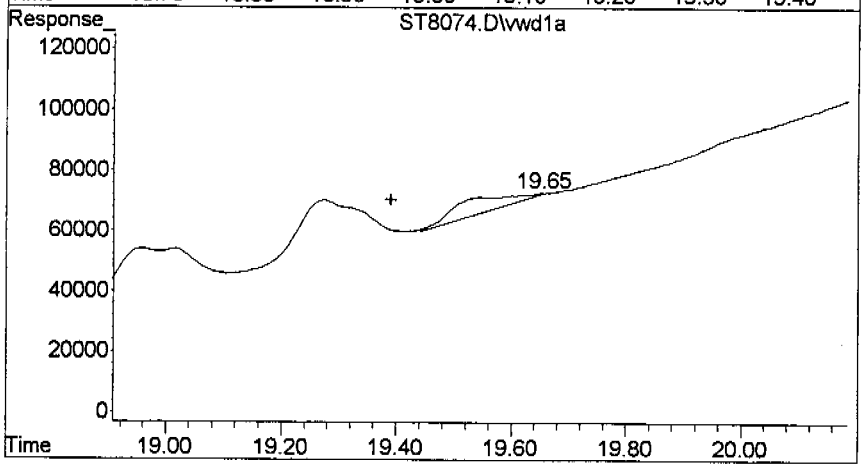
#2 1,2-Dinitrobenzene

R.T.: 11.151 min
Delta R.T.: 0.412 min
Response: 92419294
Conc: 4.35 ug/ml m



#15 o-Nitrotoluene

R.T.: 19.016 min
Delta R.T.: 0.073 min
Response: 511838
Conc: 0.05 ppb m



#16 p-Nitrotoluene

R.T.: 19.652 min
Delta R.T.: 0.262 min
Response: 378352
Conc: 0.03 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8075.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8075.D\vwd1a.ch
Acq On : 21-Aug-2004, 10:27:14 Operator: sonal
Sample : op7581-bs Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:25 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
2) s	1,2-Dinitrobenzene	10.76	76832605	3.620	ug/mlm	
Spiked Amount	5.000 Range	16 - 141	Recovery =	72.40%		
	Target Compounds					
3)	HMX	6.53	73840825	4.004	ppb	m
4)	RDX	8.87	58701506	3.972	ppb	m
5)	1,3,5-Trinitrobenzene	11.27	135977294	4.014	ppb	m
6)	1,3-Dinitrobenzene	13.11	85679460	4.660	ppb	m
7)	Nitrobenzene	14.32	54418744	4.180	ppb	m
8)	2,4,6-Trinitrotoluene	15.11	210378648	9.543	ppb	m
9)	2,4-Dinitrotoluene	17.64	69510288	5.722	ppb	m
10)	PETN	18.94	44430753	9.409	ppb	m
11)	Tetryl	12.39	105038091	5.217	ppb	m
12)	4-Amino-2,6-Dinitrotoluene	15.11	201135050	9.257	ppb	m
13)	2-Amino-4,6-Dinitrotoluene	16.07	93266546	3.989	ppb	m
14)	2,6-Dinitrotoluene	16.83	63141627	4.262	ppb	m
15)	o-Nitrotoluene	18.94	44362991	3.973	ppb	m
16)	p-Nitrotoluene	19.38	54270068	4.133	ppb	m
17)	m-Nitrotoluene	19.78	61008476	4.195	ppb	m

8/24/04

08/24/04

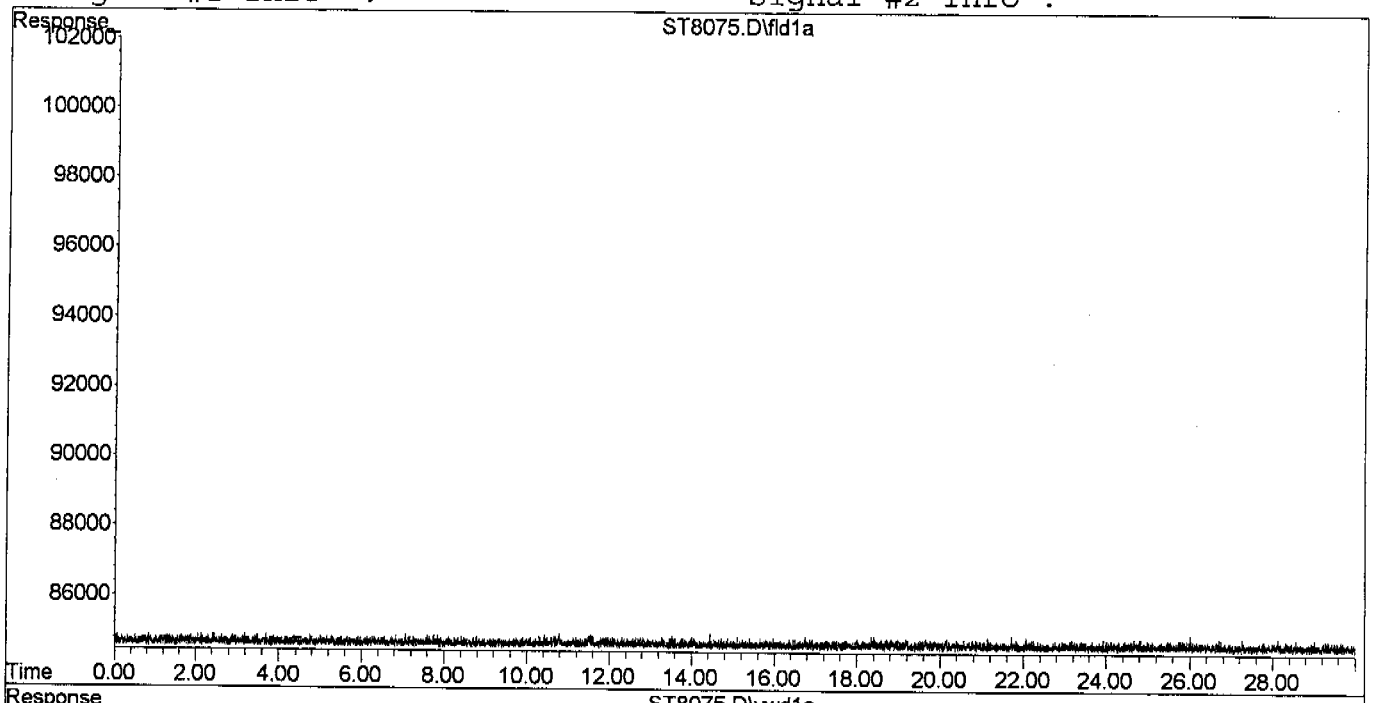
(f)=RT Delta > 1/2 Window (m)=manual int.

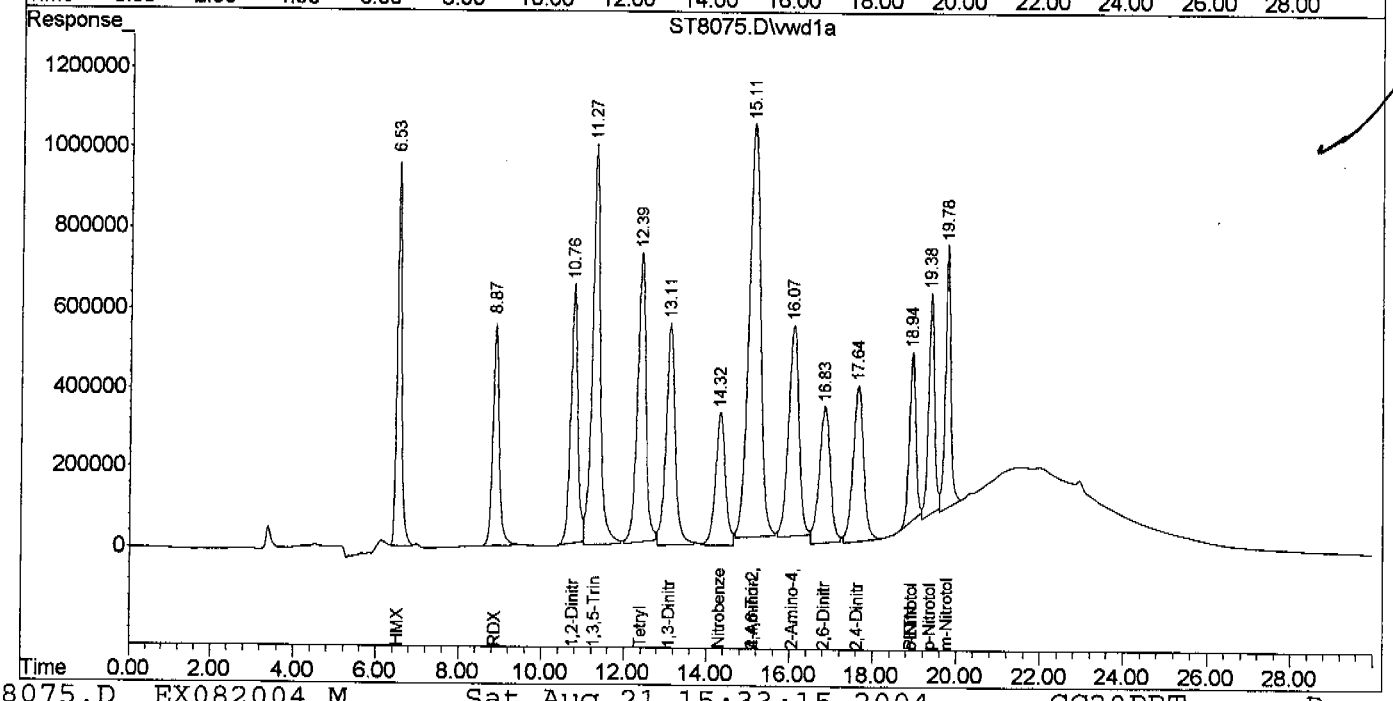
Quantitation Report (QT Reviewed)

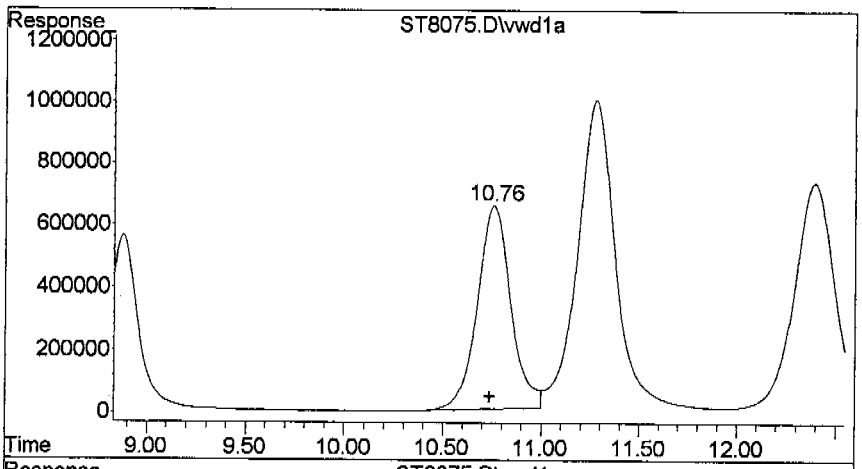
Signal #1 : D:\HPLC1\DATA\082004A\ST8075.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8075.D\vwd1a.ch
Acq On : 21-Aug-2004, 10:27:14 Operator: sonal
Sample : op7581-bs Inst : FLD
Misc : op7581,gst368,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 15:25 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

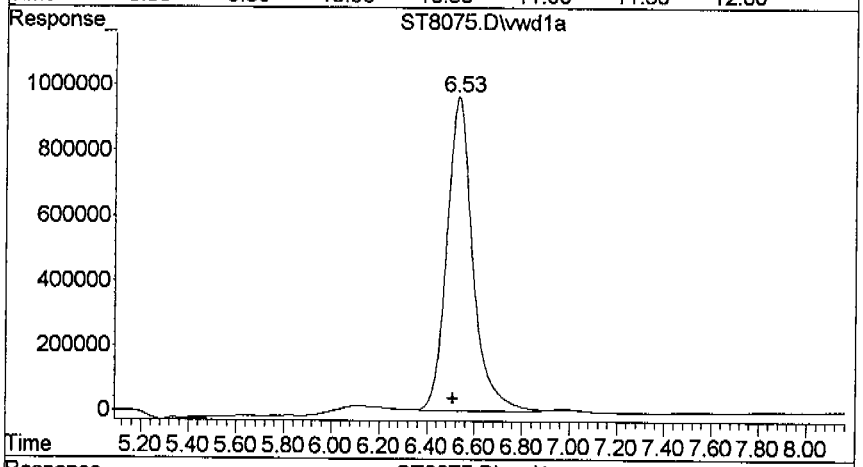






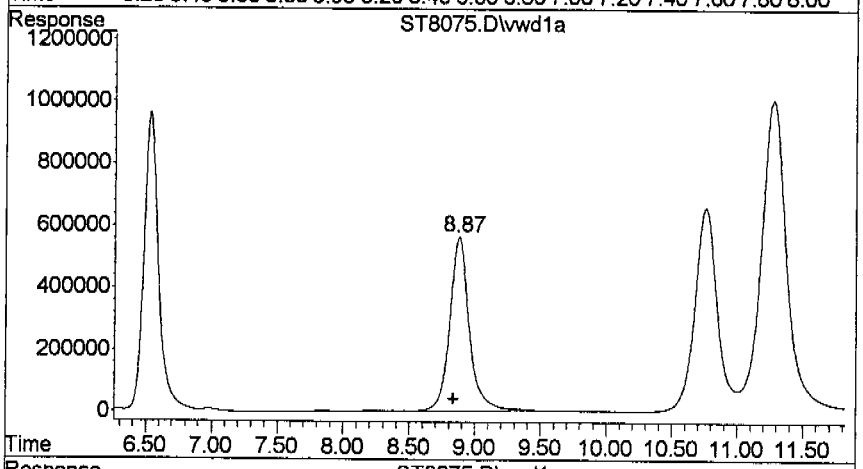
#2 1,2-Dinitrobenzene

R.T.: 10.756 min
Delta R.T.: 0.018 min
Response: 76832605
Conc: 3.62 ug/ml m



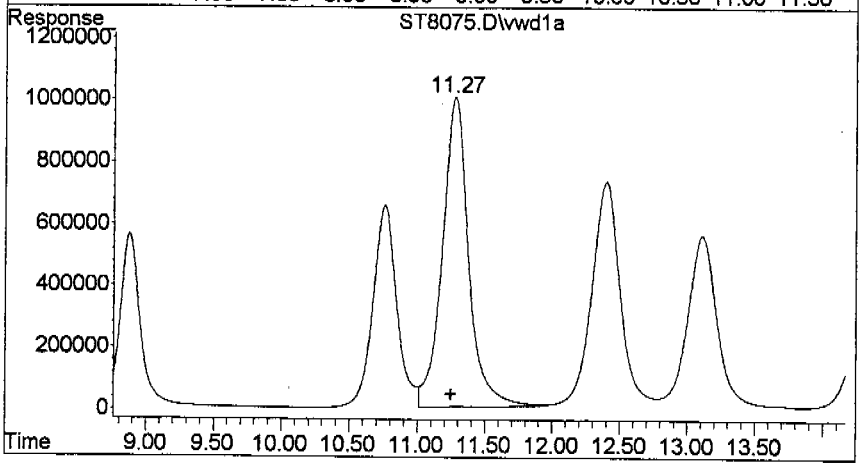
#3 HMX

R.T.: 6.529 min
Delta R.T.: 0.020 min
Response: 73840825
Conc: 4.00 ppb m



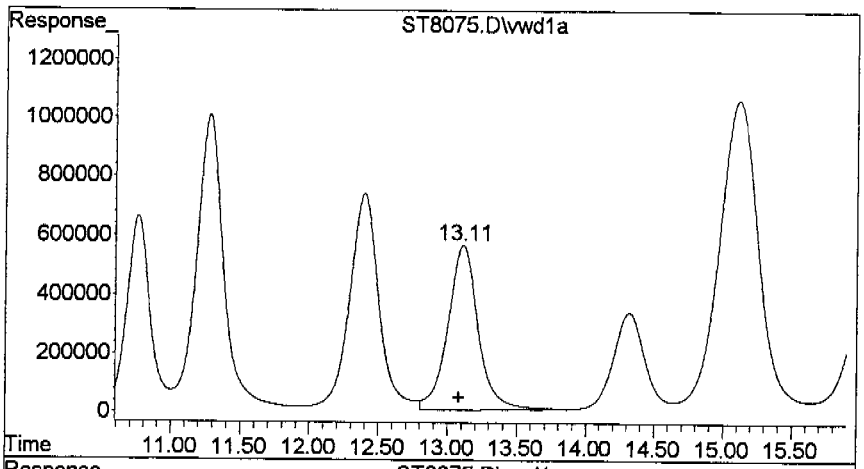
#4 RDX

R.T.: 8.874 min
Delta R.T.: 0.040 min
Response: 58701506
Conc: 3.97 ppb m



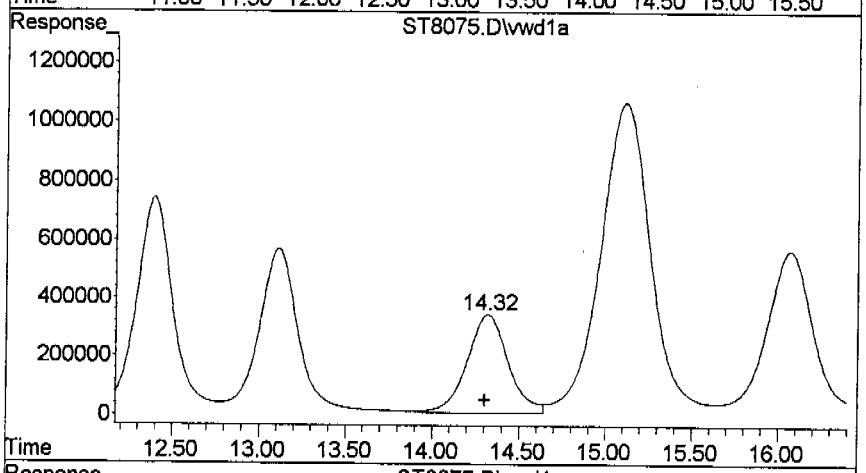
#5 1,3,5-Trinitrobenzene

R.T.: 11.273 min
Delta R.T.: 0.028 min
Response: 135977294
Conc: 4.01 ppb m



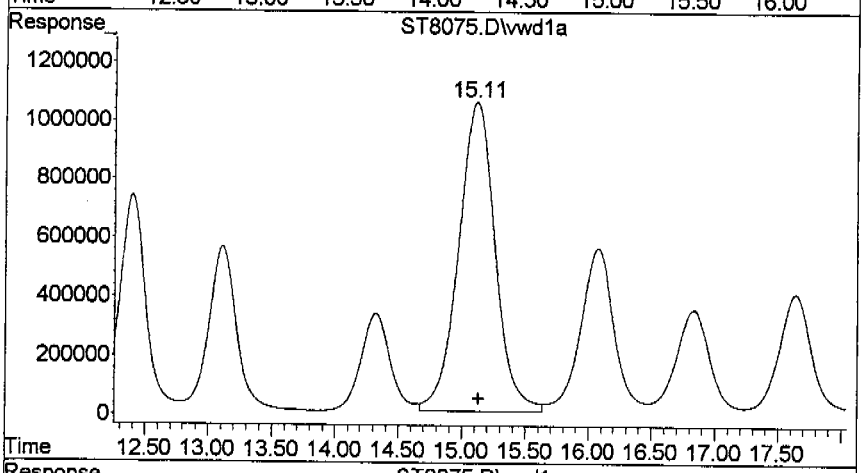
#6 1,3-Dinitrobenzene

R.T.: 13.107 min
Delta R.T.: 0.026 min
Response: 85679460
Conc: 4.66 ppb m



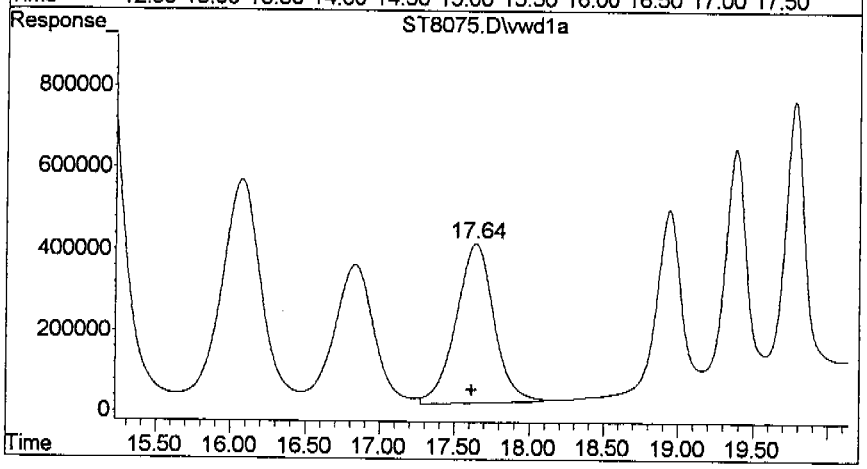
#7 Nitrobenzene

R.T.: 14.317 min
Delta R.T.: 0.014 min
Response: 54418744
Conc: 4.18 ppb m



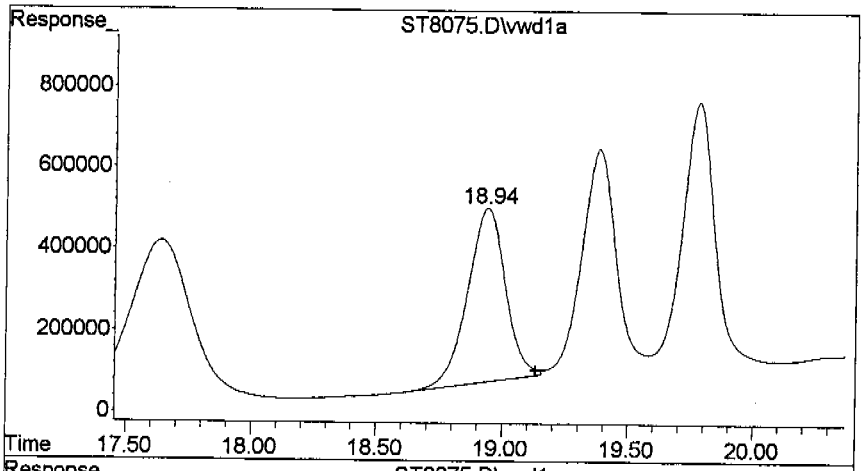
#8 2,4,6-Trinitrotoluene

R.T.: 15.110 min
Delta R.T.: -0.021 min
Response: 210378648
Conc: 9.54 ppb m



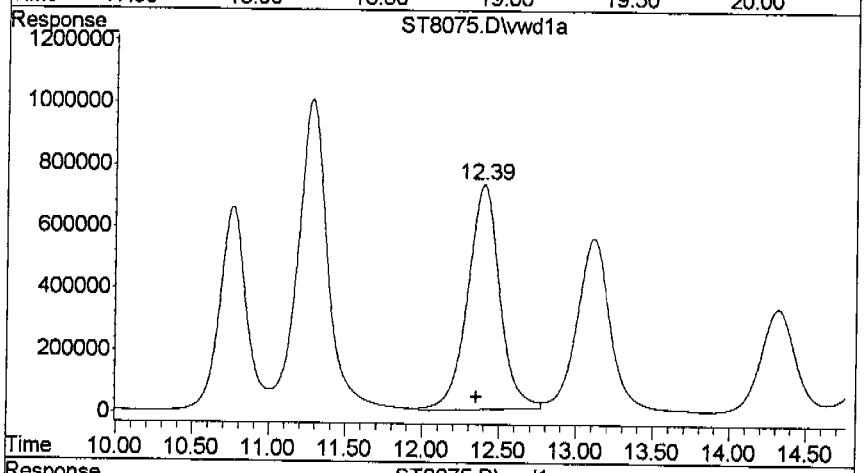
#9 2,4-Dinitrotoluene

R.T.: 17.637 min
Delta R.T.: 0.021 min
Response: 69510288
Conc: 5.72 ppb m



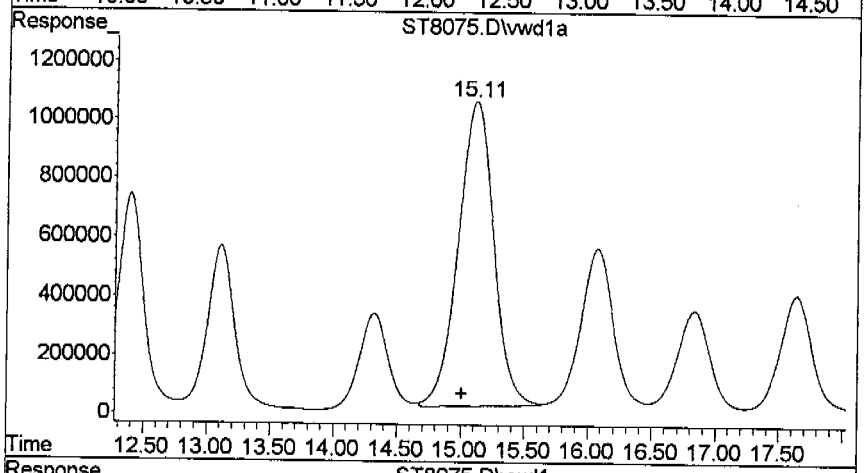
#10 PETN

R.T.: 18.937 min
Delta R.T.: -0.196 min
Response: 44430753
Conc: 9.41 ppb m



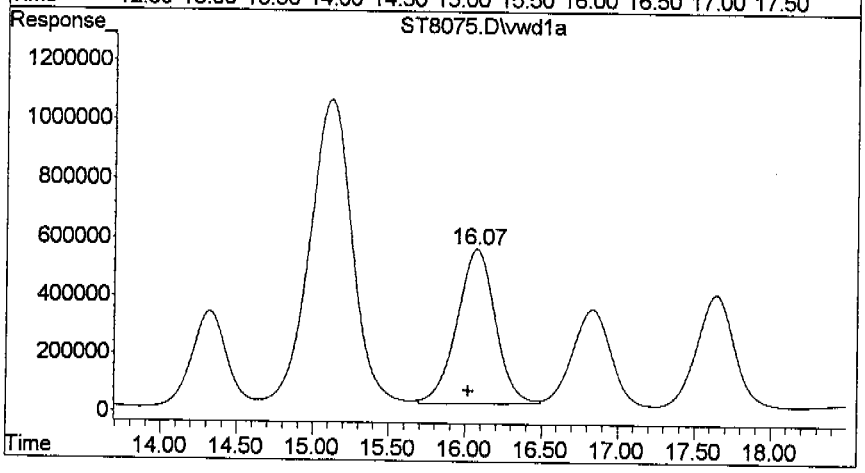
#11 Tetryl

R.T.: 12.393 min
Delta R.T.: 0.044 min
Response: 105038091
Conc: 5.22 ppb m



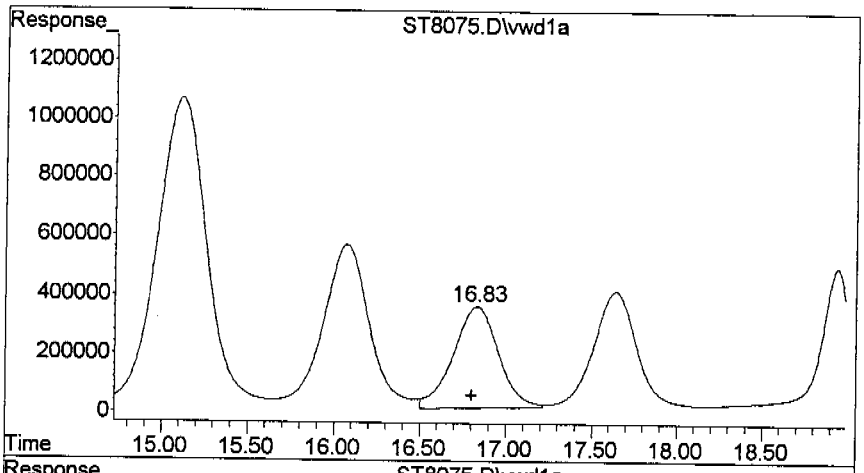
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.110 min
Delta R.T.: 0.106 min
Response: 201135050
Conc: 9.26 ppb m



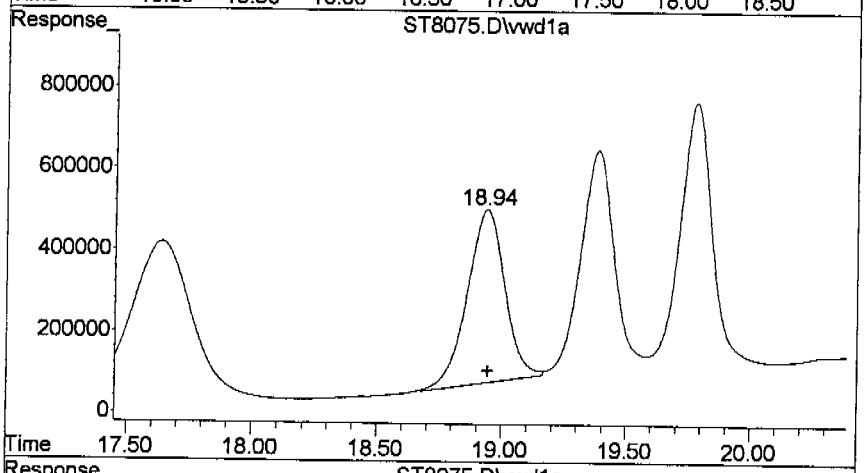
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.068 min
Delta R.T.: 0.051 min
Response: 93266546
Conc: 3.99 ppb m



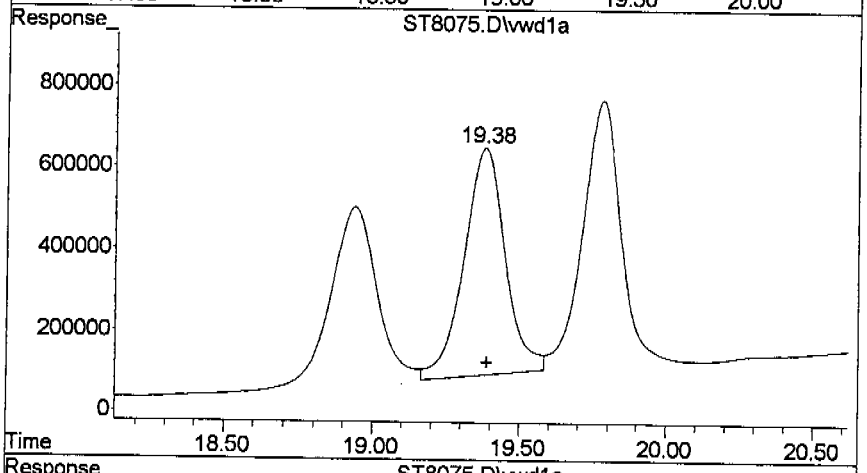
#14 2,6-Dinitrotoluene

R.T.: 16.829 min
Delta R.T.: 0.027 min
Response: 63141627
Conc: 4.26 ppb m



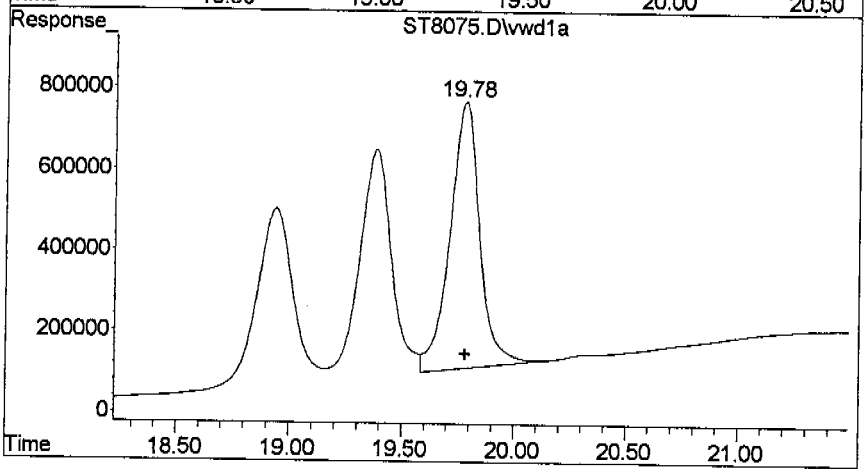
#15 o-Nitrotoluene

R.T.: 18.937 min
Delta R.T.: -0.007 min
Response: 44362991
Conc: 3.97 ppb m



#16 p-Nitrotoluene

R.T.: 19.380 min
Delta R.T.: -0.010 min
Response: 54270068
Conc: 4.13 ppb m



#17 m-Nitrotoluene

R.T.: 19.778 min
Delta R.T.: -0.005 min
Response: 61008476
Conc: 4.19 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8081.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8081.D\vwd1a.ch
Acq On : 21-Aug-2004, 13:31:07 Operator: caobinz
Sample : op7581-ms Inst : FLD
Misc : op7581,gst368,740,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:21 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.75	72677174	3.424 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	68.48%
Target Compounds			
3) HMX	6.53	70988092	3.850 ppb m
4) RDX	8.88	55068300	3.726 ppb m
5) 1,3,5-Trinitrobenzene	11.27	124402253	3.659 ppb m
6) 1,3-Dinitrobenzene	13.08	77360975	4.208 ppb m
7) Nitrobenzene	14.28	44991008	3.456 ppb m
8) 2,4,6-Trinitrotoluene	15.04	199331312	9.042 ppb m
9) 2,4-Dinitrotoluene	17.55	63500748	5.227 ppb m
10) PETN	18.89	42827215	9.070 ppb m
11) Tetryl	12.37	101099015	5.021 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.04	195007561	8.975 ppb m
13) 2-Amino-4,6-Dinitrotoluene	15.97	90074963	3.852 ppb m
14) 2,6-Dinitrotoluene	16.74	56911267	3.842 ppb m
15) o-Nitrotoluene	18.89	42636572	3.819 ppb m
16) p-Nitrotoluene	19.34	52332454	3.986 ppb m
17) m-Nitrotoluene	19.74	58378212	4.014 ppb m

08/22/04

8/22/04

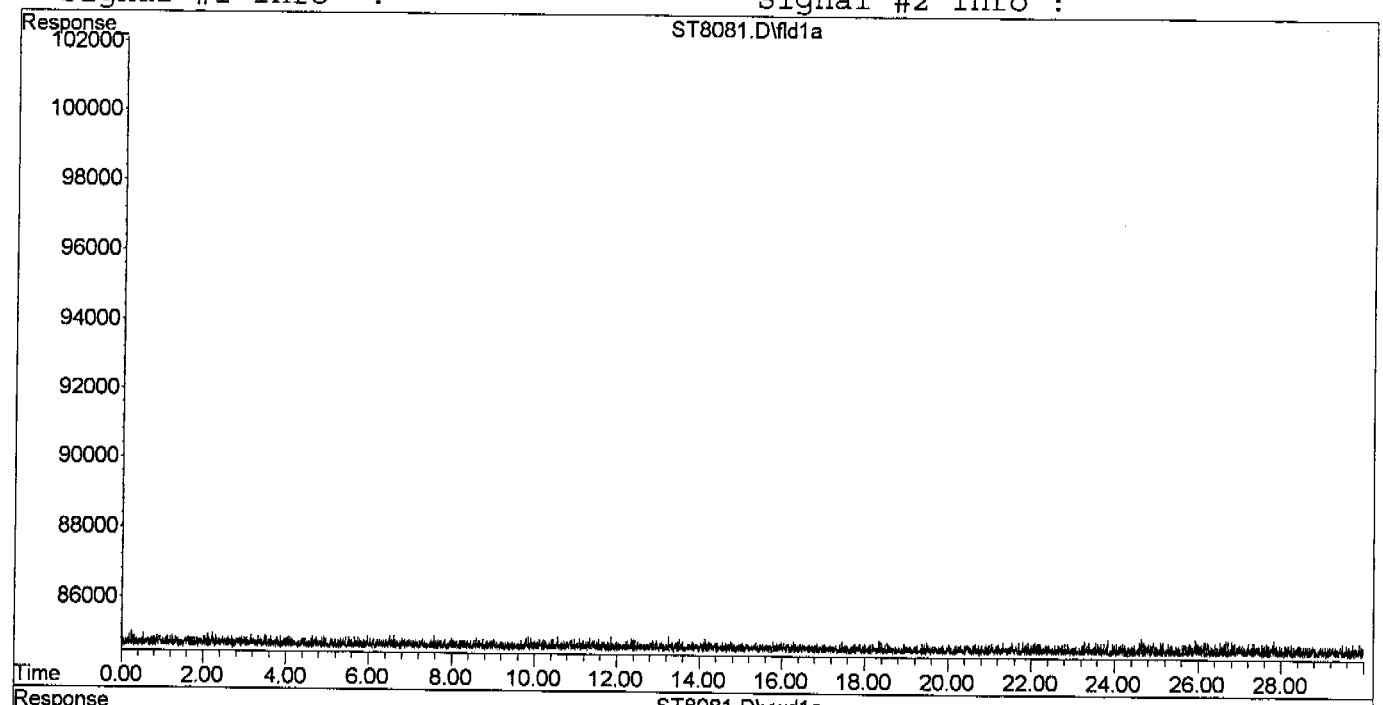
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8081.D EX082004.M Sat Aug 21 16:21:18 2004 GC20PRT Page 1

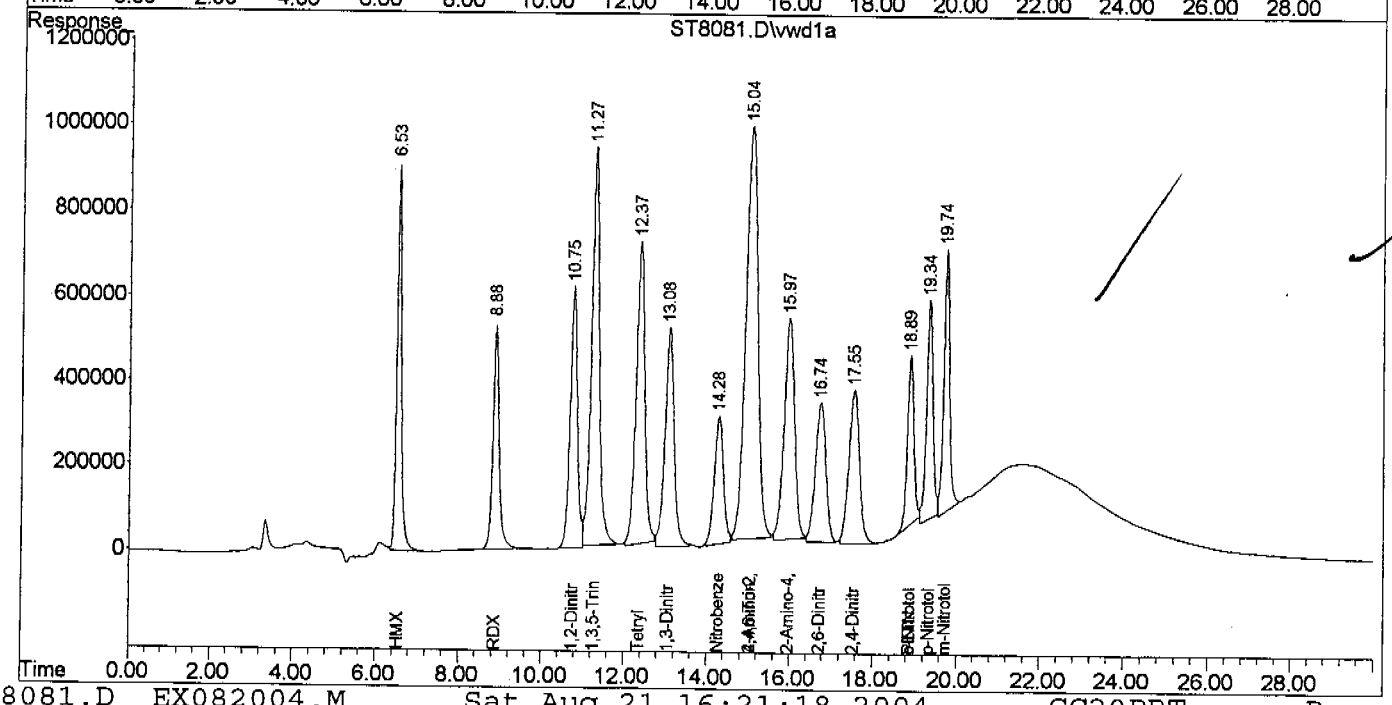
Quantitation Report (QT Reviewed)

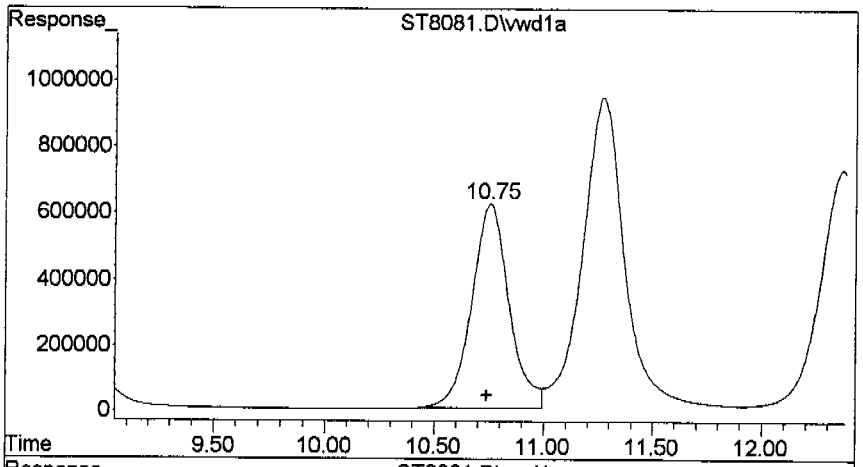
Signal #1 : D:\HPLC1\DATA\082004A\ST8081.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8081.D\vwd1a.ch
Acq On : 21-Aug-2004, 13:31:07 Operator: caobinz
Sample : op7581-ms Inst : FLD
Misc : op7581,gst368,740,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:21 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

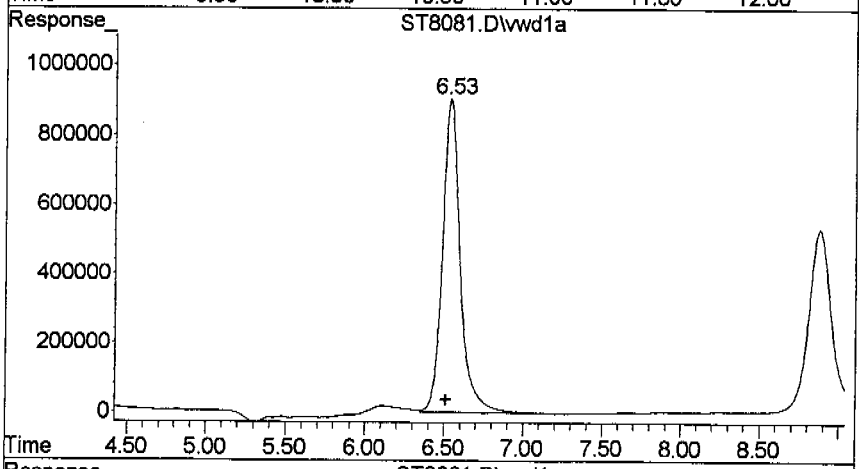






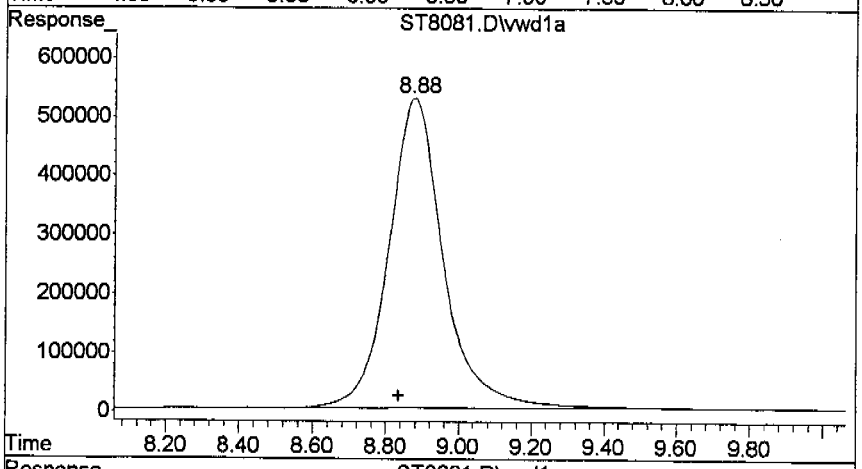
#2 1,2-Dinitrobenzene

R.T.: 10.754 min
Delta R.T.: 0.015 min
Response: 72677174
Conc: 3.42 ug/ml m



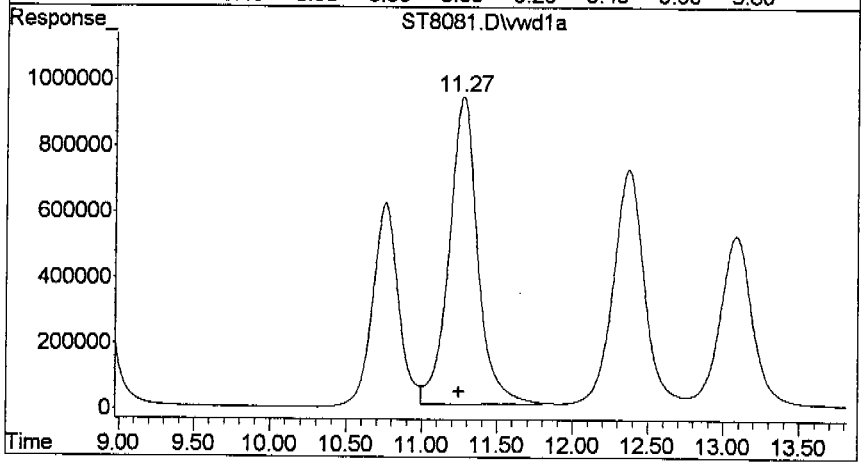
#3 HMX

R.T.: 6.534 min
Delta R.T.: 0.025 min
Response: 70988092
Conc: 3.85 ppb m



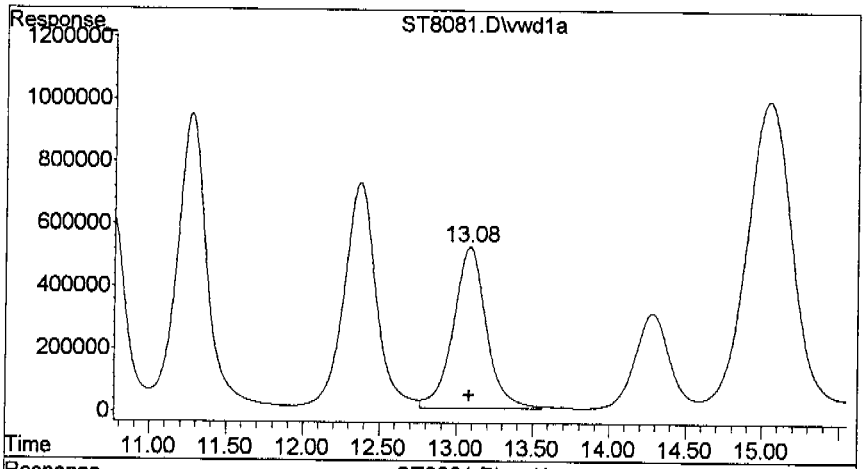
#4 RDX

R.T.: 8.876 min
Delta R.T.: 0.042 min
Response: 55068300
Conc: 3.73 ppb m



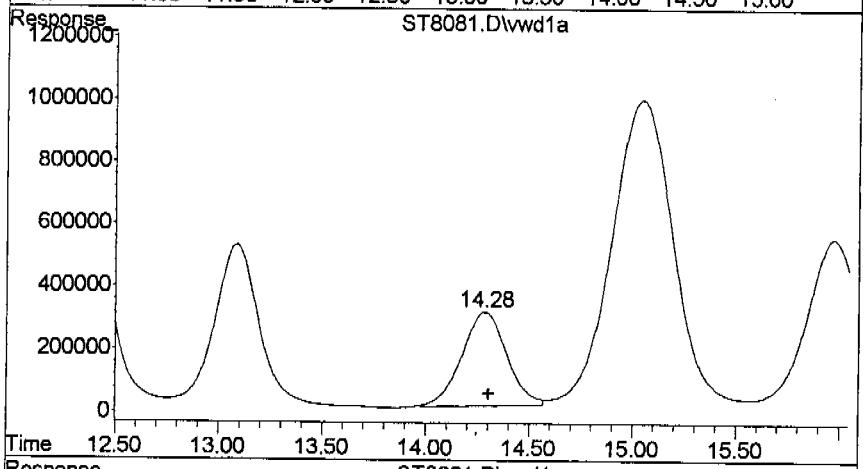
#5 1,3,5-Trinitrobenzene

R.T.: 11.268 min
Delta R.T.: 0.022 min
Response: 124402253
Conc: 3.66 ppb m



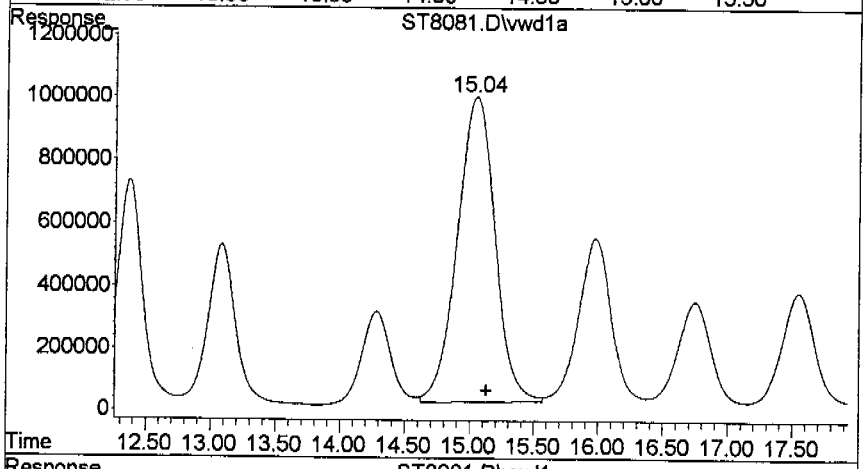
#6 1,3-Dinitrobenzene

R.T.: 13.082 min
Delta R.T.: 0.000 min
Response: 77360975
Conc: 4.21 ppb m



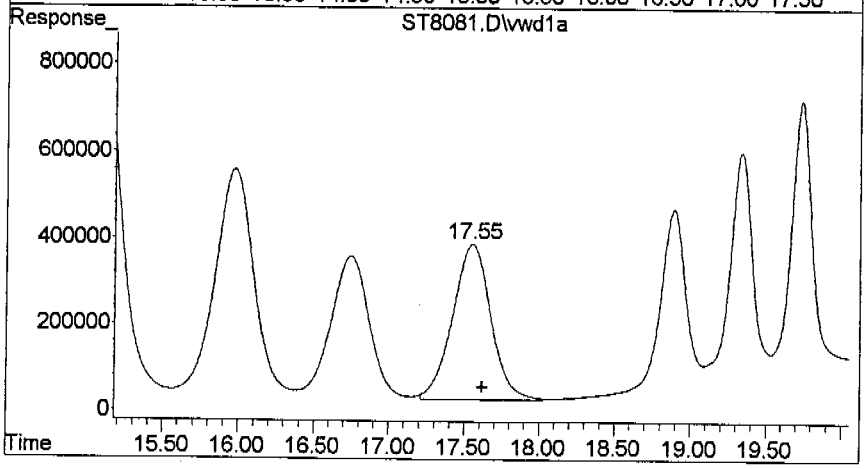
#7 Nitrobenzene

R.T.: 14.280 min
Delta R.T.: -0.022 min
Response: 44991008
Conc: 3.46 ppb m



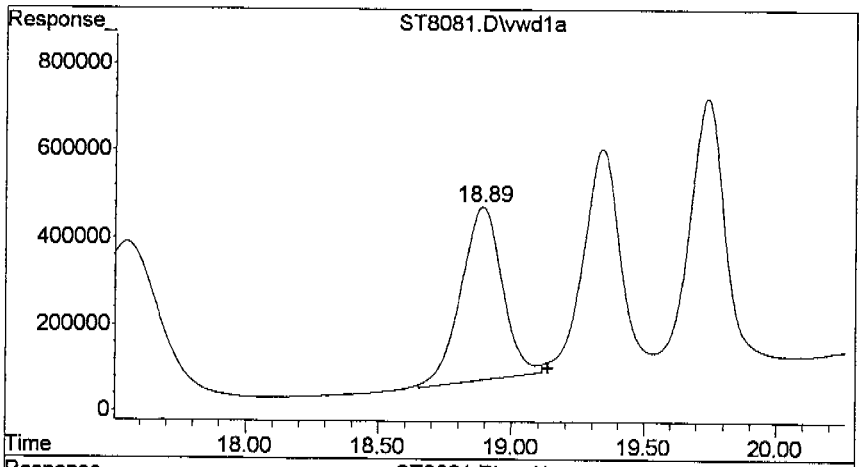
#8 2,4,6-Trinitrotoluene

R.T.: 15.043 min
Delta R.T.: -0.088 min
Response: 199331312
Conc: 9.04 ppb m



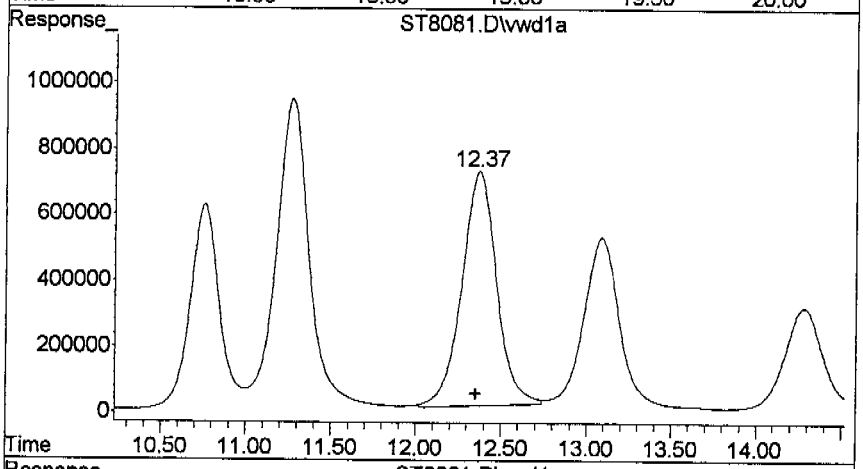
#9 2,4-Dinitrotoluene

R.T.: 17.548 min
Delta R.T.: -0.068 min
Response: 63500748
Conc: 5.23 ppb m



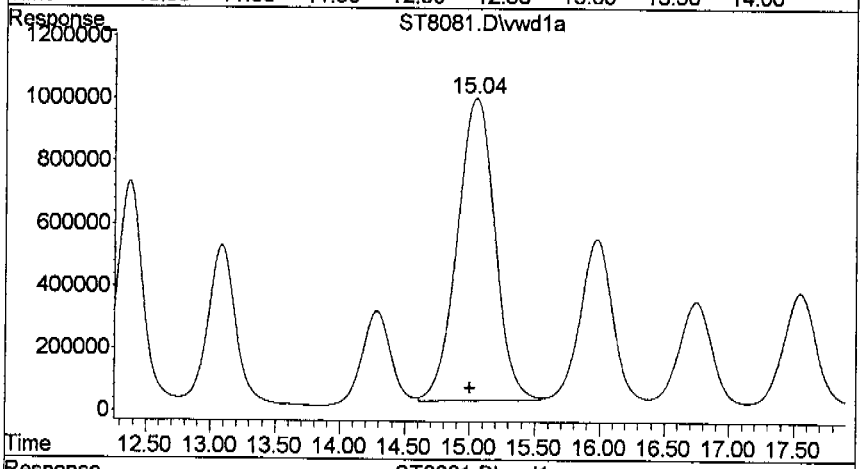
#10 PETN

R.T.: 18.889 min
Delta R.T.: -0.244 min
Response: 42827215
Conc: 9.07 ppb m



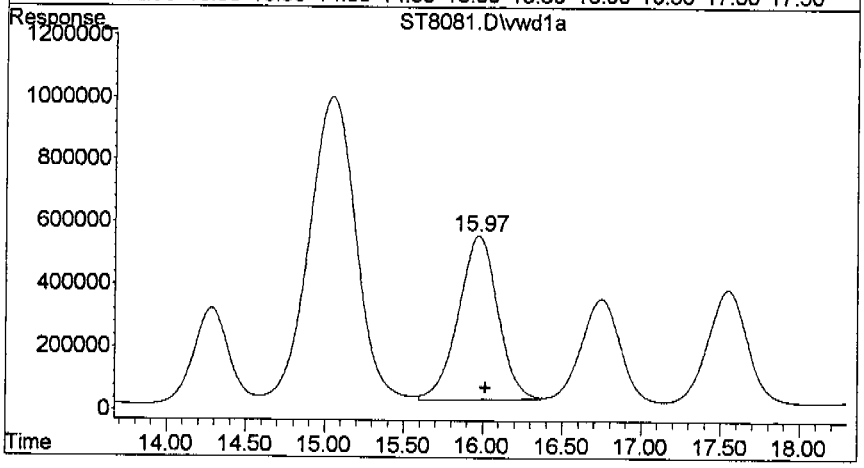
#11 Tetryl

R.T.: 12.368 min
Delta R.T.: 0.019 min
Response: 101099015
Conc: 5.02 ppb m



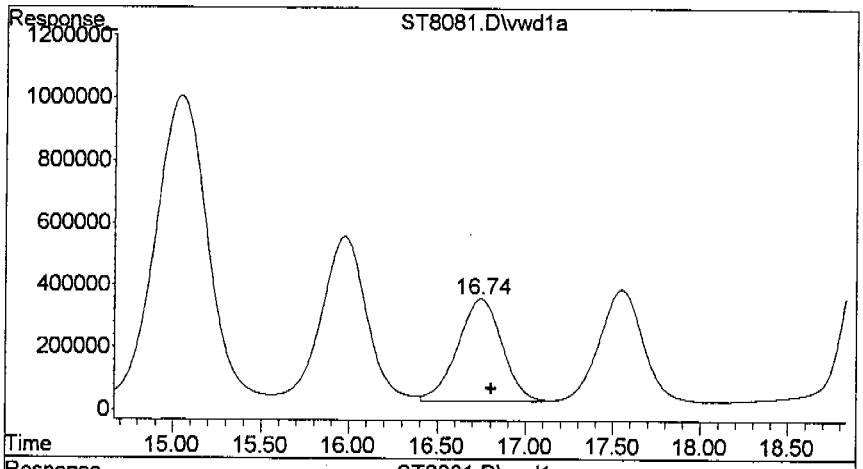
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.043 min
Delta R.T.: 0.039 min
Response: 195007561
Conc: 8.98 ppb m



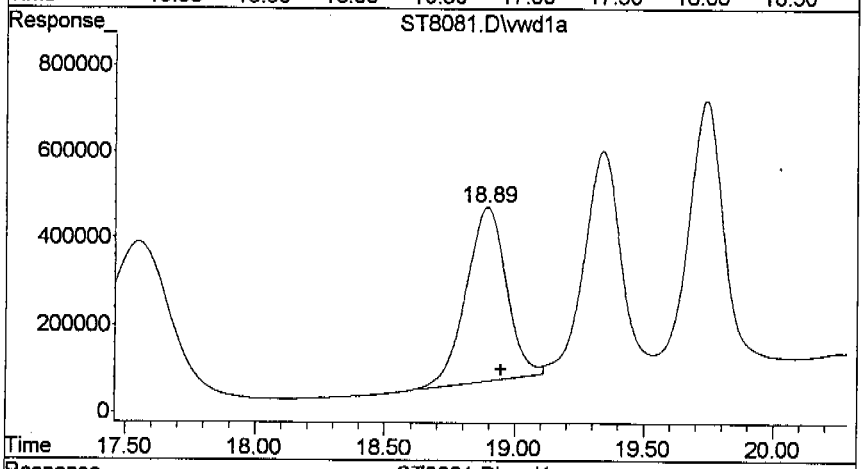
#13 2-Amino-4,6-Dinitrotolue

R.T.: 15.972 min
Delta R.T.: -0.044 min
Response: 90074963
Conc: 3.85 ppb m



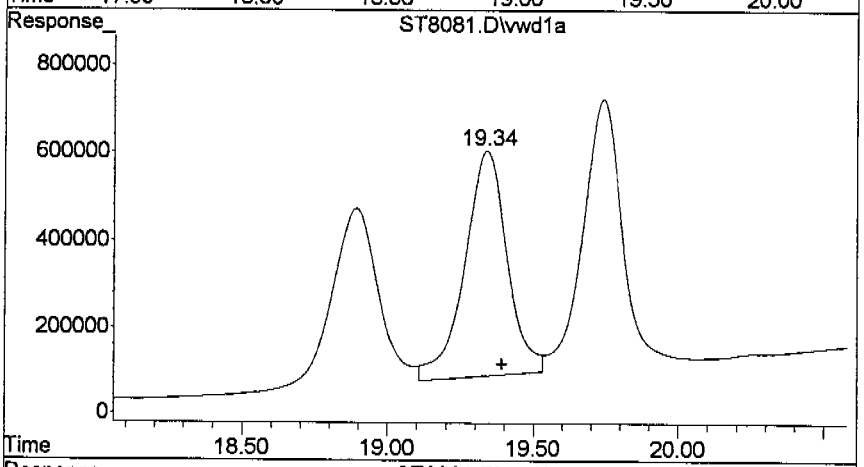
#14 2,6-Dinitrotoluene

R.T.: 16.743 min
Delta R.T.: -0.059 min
Response: 56911267
Conc: 3.84 ppb m



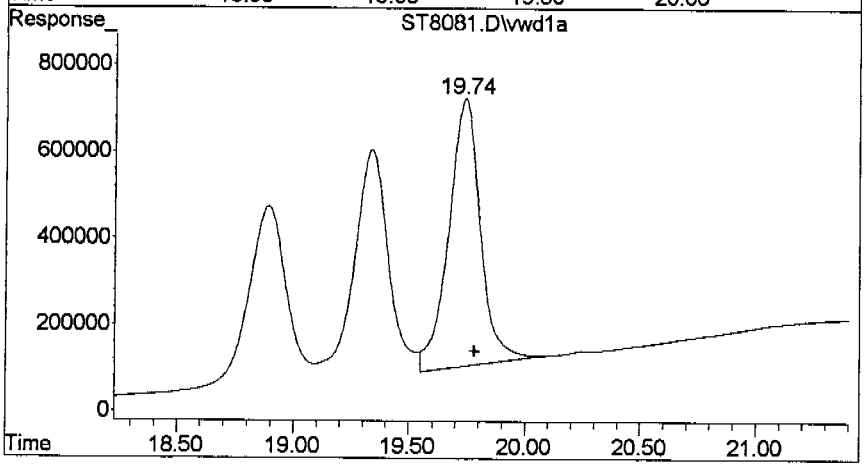
#15 o-Nitrotoluene

R.T.: 18.889 min
Delta R.T.: -0.054 min
Response: 42636572
Conc: 3.82 ppb m



#16 p-Nitrotoluene

R.T.: 19.337 min
Delta R.T.: -0.053 min
Response: 52332454
Conc: 3.99 ppb m



#17 m-Nitrotoluene

R.T.: 19.738 min
Delta R.T.: -0.045 min
Response: 58378212
Conc: 4.01 ppb m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8082.D\fld1a.ch Vial: 9
Signal #2 : D:\HPLC1\DATA\082004A\ST8082.D\vwd1a.ch
Acq On : 21-Aug-2004, 14:01:47 Operator: caobinz
Sample : op7581-msd Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:22 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	79010657	3.722 ug/mlm
Spiked Amount 5.000 Range 16 - 141		Recovery =	74.44%
Target Compounds			
3) HMX	6.54	77257981	4.190 ppb m
4) RDX	8.91	60412680	4.088 ppb m
5) 1,3,5-Trinitrobenzene	11.30	135379865	3.995 ppb m
6) 1,3-Dinitrobenzene	13.13	83381953	4.535 ppb m
7) Nitrobenzene	14.34	48809614	3.749 ppb m
8) 2,4,6-Trinitrotoluene	15.12	202241756	9.174 ppb m
9) 2,4-Dinitrotoluene	17.64	68201416	5.614 ppb m
10) PETN	18.94	41146679	8.714 ppb m
11) Tetryl	12.41	100614793	4.997 ppb m
12) 4-Amino-2,6-Dinitrotoluene	15.12	202039972	9.299 ppb m
13) 2-Amino-4,6-Dinitrotoluene	16.07	95693182	4.093 ppb m
14) 2,6-Dinitrotoluene	16.83	62496967	4.219 ppb m
15) o-Nitrotoluene	18.94	43555894	3.901 ppb m
16) p-Nitrotoluene	19.39	50936232	3.879 ppb m
17) m-Nitrotoluene	19.78	58280225	4.007 ppb m

08/22/04

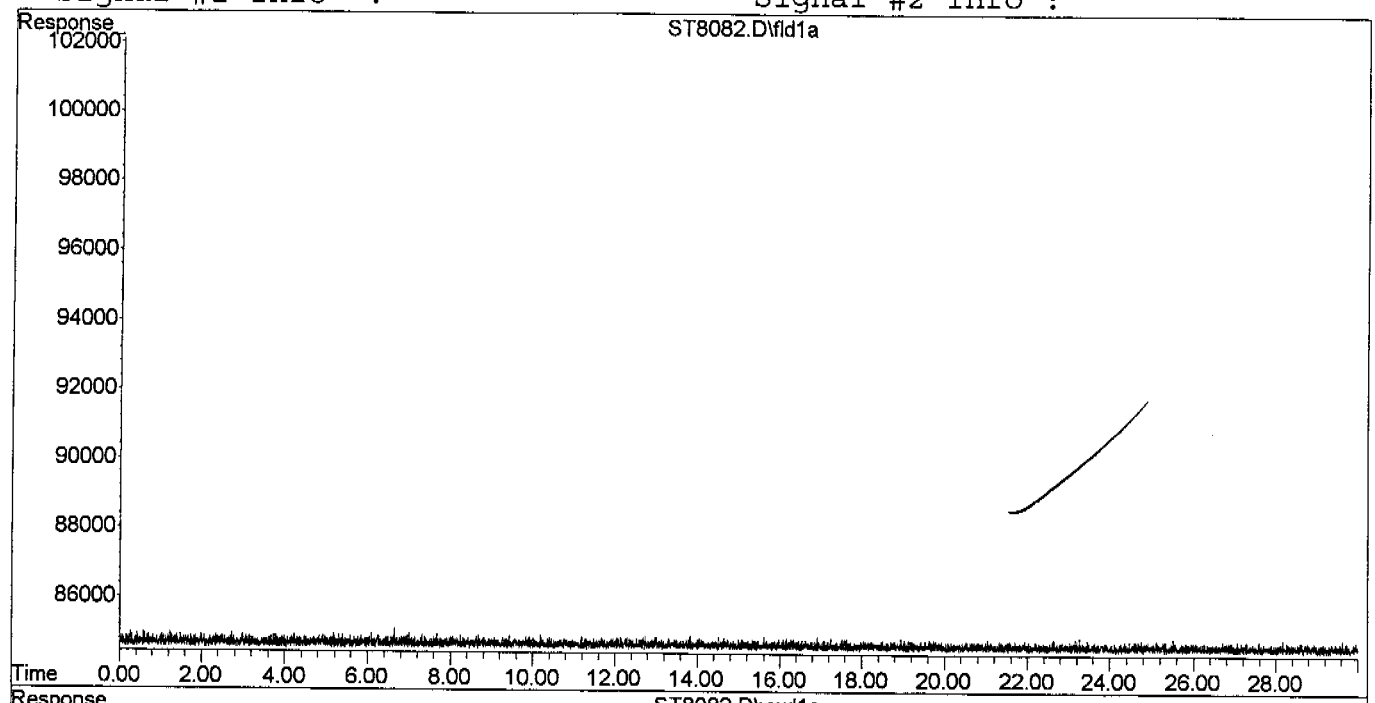
(f)=RT Delta > 1/2 Window (m)=manual int.

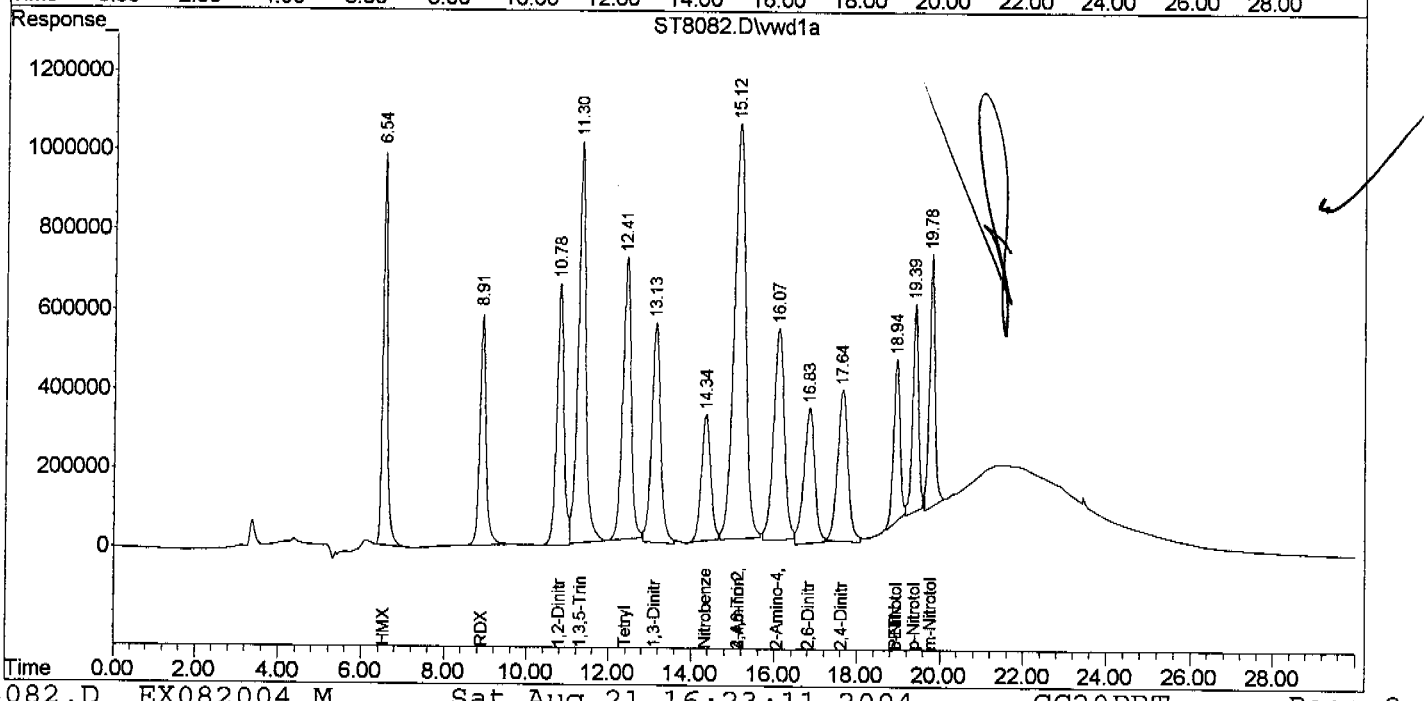
Quantitation Report (QT Reviewed)

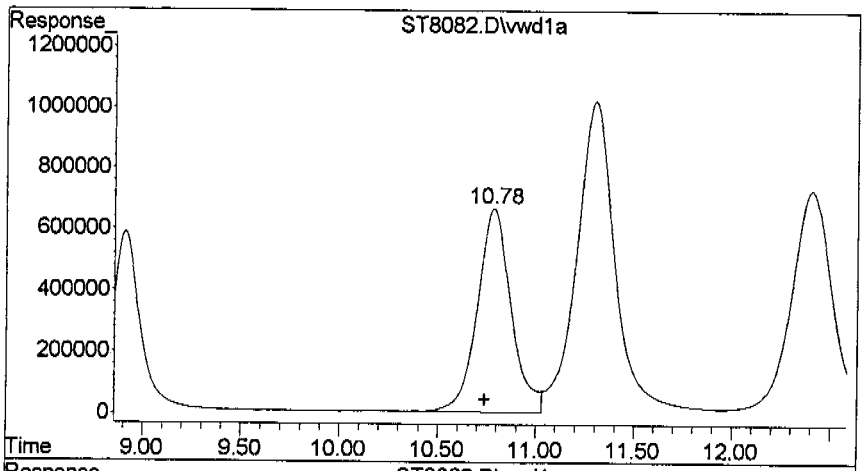
Signal #1 : D:\HPLC1\DATA\082004A\ST8082.D\fld1a.ch Vial: 9
Signal #2 : D:\HPLC1\DATA\082004A\ST8082.D\vwd1a.ch
Acq On : 21-Aug-2004, 14:01:47 Operator: caobinz
Sample : op7581-msd Inst : FLD
Misc : op7581,gst368,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 16:22 2004 Quant Results File: EX082004.RES

Quant Method : D:\HPLC1\METHODS\EX082004.M (Chemstation Integrator)
Title : ultracarb/ultracar
Last Update : Sat Aug 21 13:16:30 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

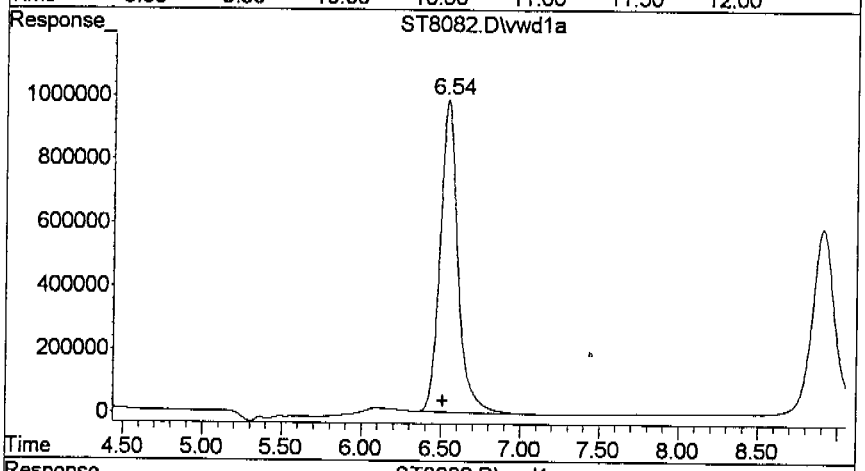






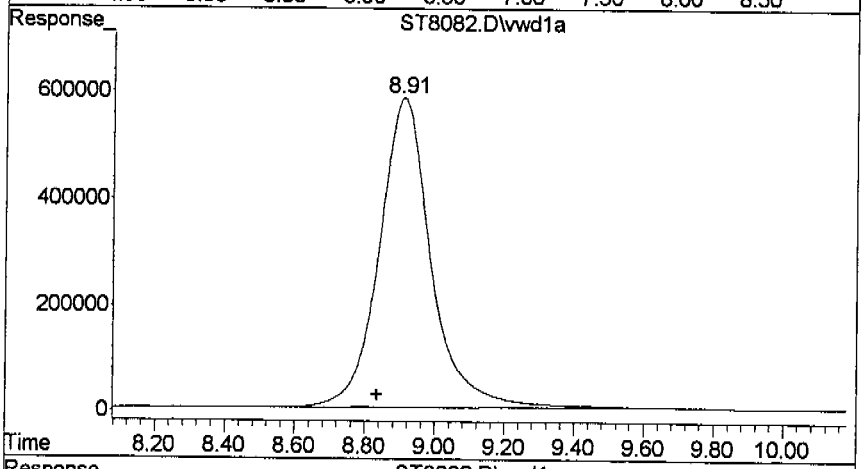
#2 1,2-Dinitrobenzene

R.T.: 10.782 min
Delta R.T.: 0.043 min
Response: 79010657
Conc: 3.72 ug/ml m



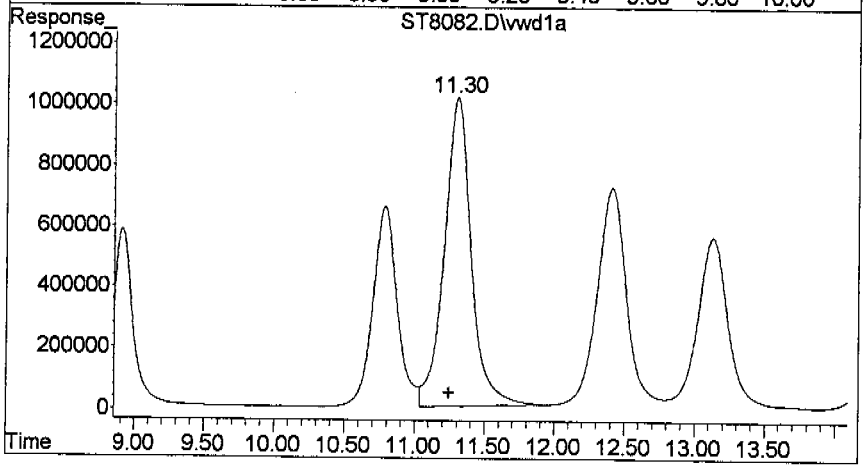
#3 HMX

R.T.: 6.536 min
Delta R.T.: 0.027 min
Response: 77257981
Conc: 4.19 ppb m



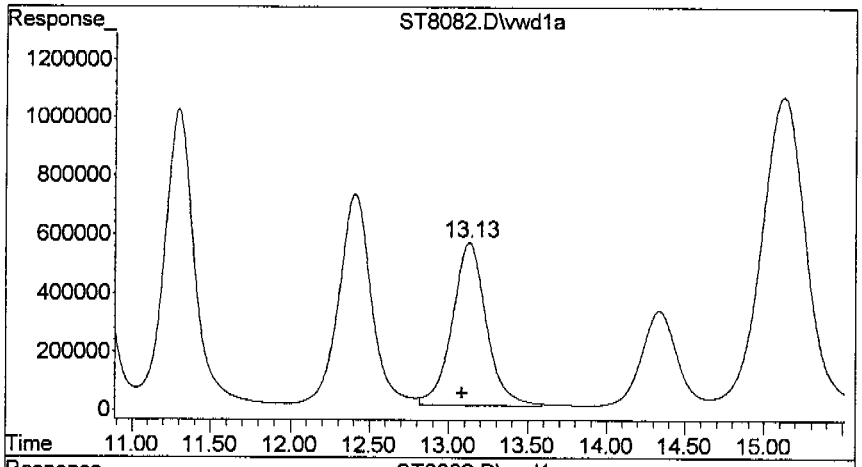
#4 RDX

R.T.: 8.907 min
Delta R.T.: 0.072 min
Response: 60412680
Conc: 4.09 ppb m



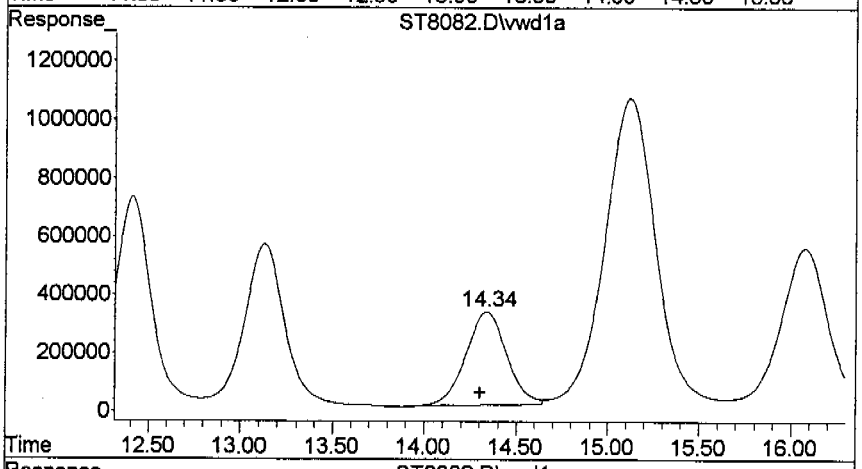
#5 1,3,5-Trinitrobenzene

R.T.: 11.296 min
Delta R.T.: 0.051 min
Response: 135379865
Conc: 4.00 ppb m



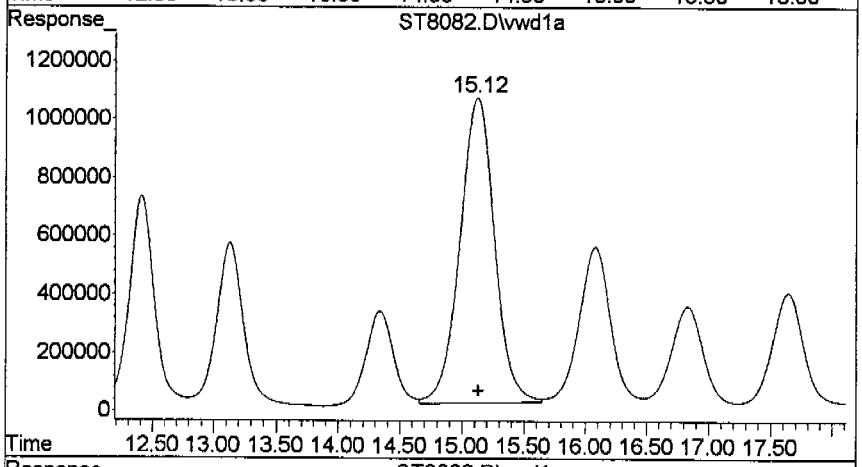
#6 1,3-Dinitrobenzene

R.T.: 13.126 min
Delta R.T.: 0.045 min
Response: 83381953
Conc: 4.54 ppb m



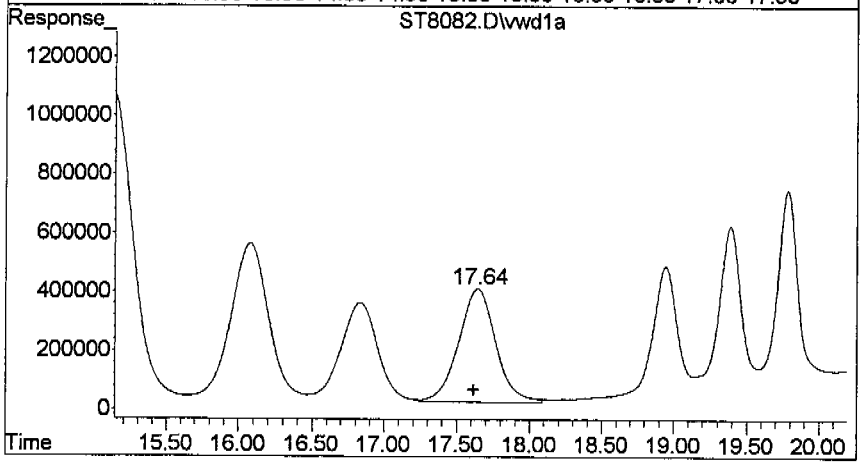
#7 Nitrobenzene

R.T.: 14.336 min
Delta R.T.: 0.034 min
Response: 48809614
Conc: 3.75 ppb m



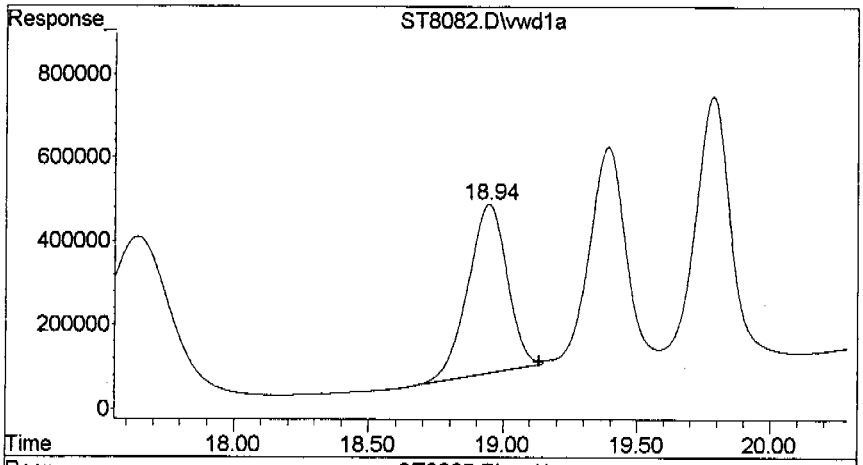
#8 2,4,6-Trinitrotoluene

R.T.: 15.119 min
Delta R.T.: -0.012 min
Response: 202241756
Conc: 9.17 ppb m



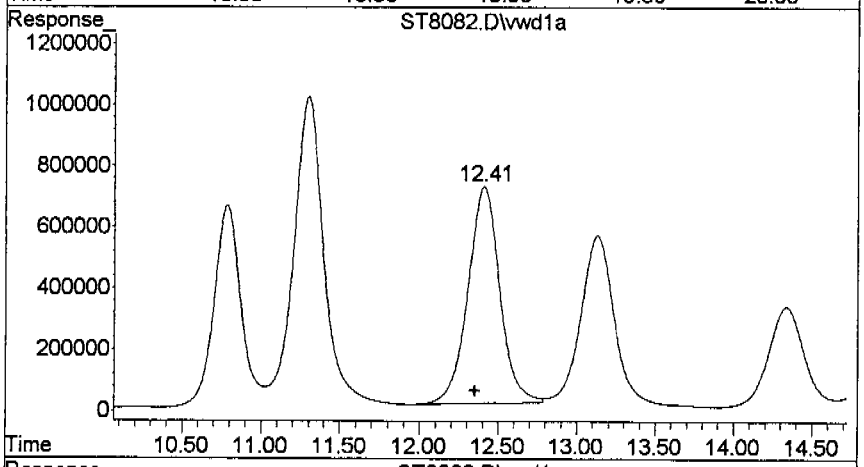
#9 2,4-Dinitrotoluene

R.T.: 17.640 min
Delta R.T.: 0.024 min
Response: 68201416
Conc: 5.61 ppb m



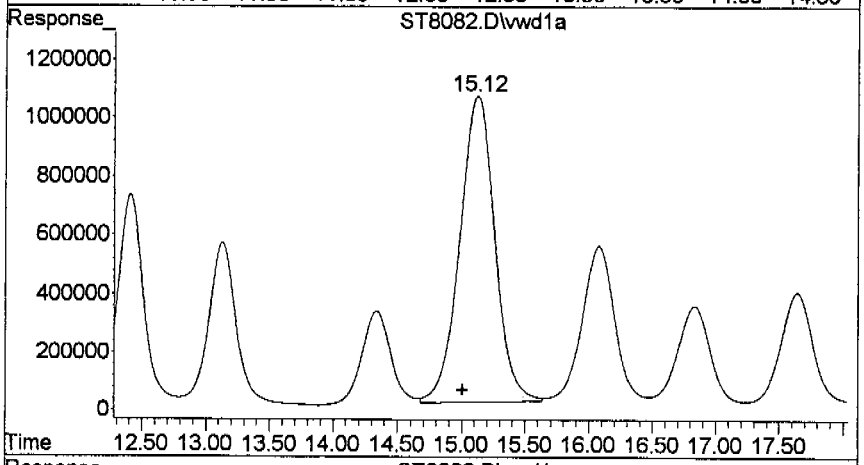
#10 PETN

R.T.: 18.943 min
Delta R.T.: -0.190 min
Response: 41146679
Conc: 8.71 ppb m



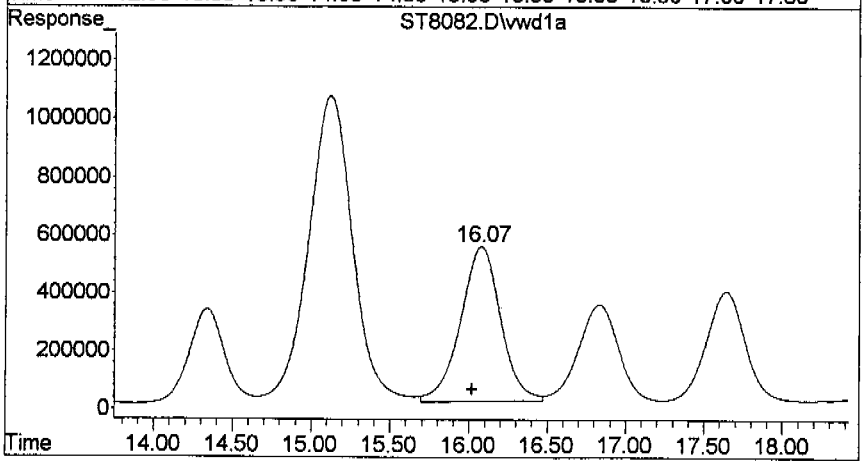
#11 Tetryl

R.T.: 12.405 min
Delta R.T.: 0.056 min
Response: 100614793
Conc: 5.00 ppb m



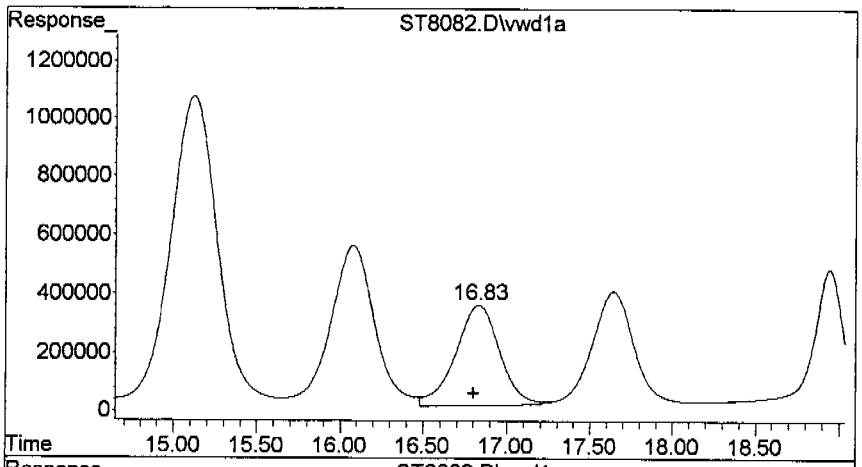
#12 4-Amino-2,6-Dinitrotolue

R.T.: 15.119 min
Delta R.T.: 0.114 min
Response: 202039972
Conc: 9.30 ppb m



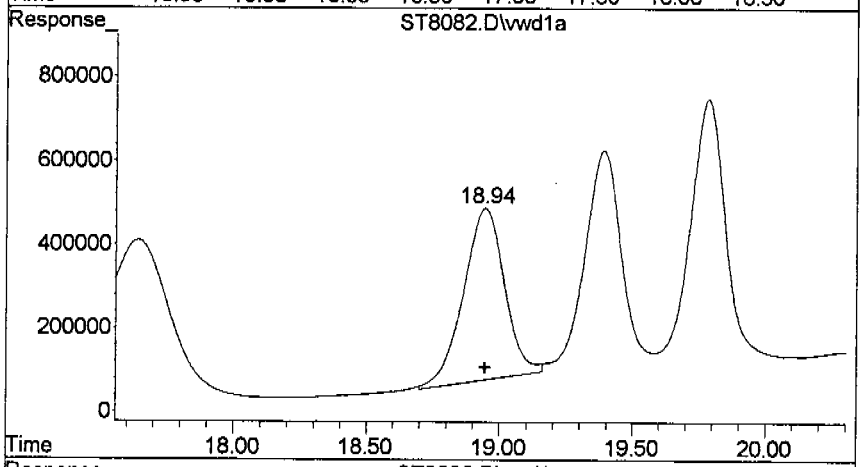
#13 2-Amino-4,6-Dinitrotolue

R.T.: 16.075 min
Delta R.T.: 0.059 min
Response: 95693182
Conc: 4.09 ppb m



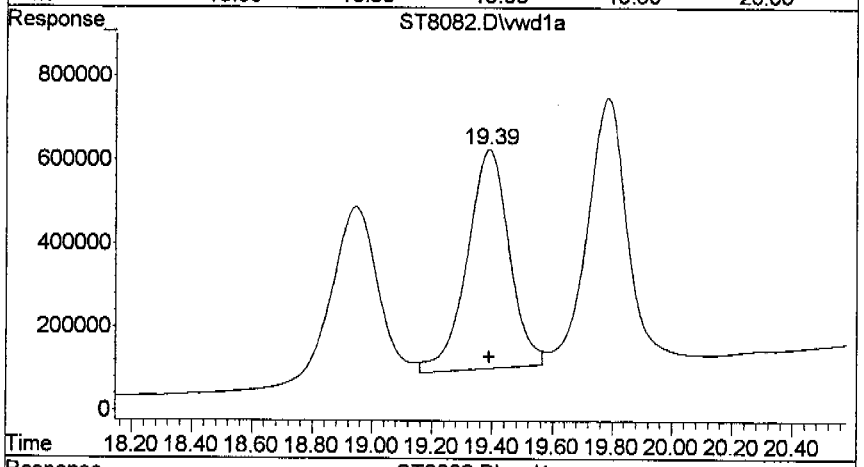
#14 2,6-Dinitrotoluene

R.T.: 16.828 min
Delta R.T.: 0.026 min
Response: 62496967
Conc: 4.22 ppb m



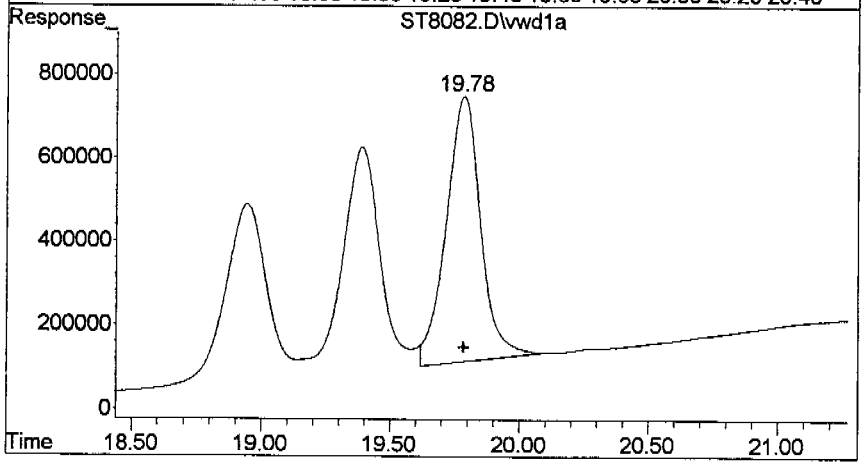
#15 o-Nitrotoluene

R.T.: 18.943 min
Delta R.T.: 0.000 min
Response: 43555894
Conc: 3.90 ppb m



#16 p-Nitrotoluene

R.T.: 19.388 min
Delta R.T.: -0.002 min
Response: 50936232
Conc: 3.88 ppb m



#17 m-Nitrotoluene

R.T.: 19.783 min
Delta R.T.: 0.000 min
Response: 58280225
Conc: 4.01 ppb m

Logbook Pages

A330

(Test)

Accutest Laboratories

Extracted by: U
Concentrated by: N/A
Fractionated by: ↓
Extraction Method: SW846 8330

Date: 18-Aug-04
Batch: OP 7581
Matrix: Aqueous
Analysis Method: LC 8330 EXP

	Sample	Bottle No.	Initial Volume (ml)	Final Volume (ml)	p H		Cleanup/Comments	Received by: Date:
1	OP 7581 -mb	N/A	1000	10.0 ml	N/A	N/A		08/18/04
2	-bs	↓	↓					
3	~~18-Aug-04~~ ~~N74914-1~~ -ms	2	740				~~N74914-9~~ RJ M41346-9	
4	-msd	1	780				~~N74914-9X~~ DRJ M41346-9	
5	N74914-1 X	1	900				M41346-1	
6	2 X	1	850				-2	
7	3 X	1	850				-3	
8	4 X	2	980				-4	
9	5 X	3	930				-5	
10	6 X	1	920				-6	
11	7 X	1	900				-7	
12	8 X	3	870				~~N74914-9X~~ -9	
13	9 X	1	900				~~10X~~ RJ -10	
14	U 18-Aug-04 10 X	1	850				~~11X~~ -11	
15	11 X	3	940				~~12X~~ -12	
16	12 X	2	880				~~13X~~ 13	
17	13 X	3	890				~~14X~~ -14	
18	14 X	3	890				~~15X~~ -15	
19								
20								
21								
22							18-Aug-04	
23							U	
24								

	Fraction	Lot #	Conc.	Vol. (ml)
Surrogate: M-8330-SS	1 of 1	PO 2103	1000.0 ug/ml	50.0 ml
Surrogate: N/A				
Surrogate:				
Surrogate:				
Spike: M-8330-ADD-2	1 of 1	PO 1861	100.0 ug/ml	50.0 ml
Spike: 833-A	↓	PO 2013	1000.0 ug/ml	↓
Spike: 833-B	↓	PO 2014	↓	↓
Spike: N/A				

MeCl2: N/A
Hexane: N/A
Acetone: N/A
Acetonitrile: J.T. BAKER Y21823
Na Sulfate MFG/Lot #: N/A
Silica MFG/Lot #: ↓
SPE MFG/Lot #: Waters W2200B1
Copper: N/A
Hydromatrix: ↓

Water Bath Temp: N/A

Reviewed by: 08/22/04
Tray #: LC-9

OP002-03 (10/25/02)

48

Accutest Laboratories of New England, Inc.

Instrument: LC #2

HPLC Analysis Log - Extractables

Run Date: 8/20/04

Analyst Signature: CZL

Column Information: Phenomenex Synergi @ 8/20/04 #217865-9

Data Directory: 082004

Sequence File: 082004B

Quantitation Methods: EX082004

Instrument Run Batches: GVU 326

Data Acquisition Methods: SYNERGNG Inj. Vol: 75 ul

Standard Data

Lot #	Description	Conc
LC2250/51	mix A	10/5 ng/ml
52/53	↓	2/1
54/55	↓	0.25/0.05
63/64	mix-B	10/5
65/66	↓	2/1
67/68	↓	0.25/0.05
2239	mix-A (ICV)	5
2271	mix-B (ICV)	5

Date of ICAL: 8/20/04

Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
1	VU9771	A 10	OP7581/82	LC8330/8332	W	NA	Confirmation run.
2	72	5					
3	73	2					
4	74	1					
5	75	0.25					
6	76	0.05					
11	77	B 10					
12	78	5					
13	79	2					
14	80	1					
15	81	0.25					
16	82	0.05					
7	83	A 5	Icv				OK
7	83A	A 5	Icv				Power off; restart
17	84	B 5	Icv				OK
21	85	OP7581-mB	OP7581	LC8330			
22	86	-BS					NOT needed
23	87	-MS					
24	88	-MSD					
25	89	~~D74914-1X~~	OP7581/82	LC8330/32			M41346 — 1
26	90	~~-2X~~					O-NT/P-NT - 2
27	91	~~-3X~~					- 3
28	92	~~-4X~~					O-NT - 4
29	93	~~-5X~~					O-NT - 5
30	94	~~-6X~~					O-NT/P-NT - 6
3	95	A 2					OK
12	96	B 5					OK

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.

GC003-05
Date: 7/23/04

Review: 8/24/04

Accutest Laboratories of New England, Inc.

Instrument: LC #2

HPLC Analysis Log - Extractables

Run Date: 8/20/04 (cont'd)

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc
	See previous page	

Column Information:
Data Directory:
Sequence File:
Quantitation Methods:
Instrument Run Batches: See previous page
Data Acquisition Methods: Inj. Vol:

Date of ICAL: 8/20/04

Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
31	VU 9797	~~N74514~~ 7X 2/18/04	OP3581/82	LC8330/32	W	NA	P-NT M41346-7
32	98	~~9X~~					O-NT/P-NT -9
33	99	~~10X~~					O-NT -10
34	9800	~~11X~~					O-NT/P-NT -11
35	01	~~12X~~					↓ -12
36	02	~~13X~~					O-NT -13
37	03	~~14X~~					↓ -14
38	04	~~15X~~					O-NT/P-NT -15
2	05	A 5					OK
13	06	B 2					OK

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.

[signature] 8/22/04

[signature] 08/22/04

GC003-05
Date: 7/23/04

Review:

Accutest Laboratories of New England, Inc.

HPLC Analysis Log - Extractables

Run Date: 8/20/04

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc
LC2250/51	mix A	10 / 5 µg/ml
52/53	↓	2 / 1
54/55	↓	0.25/0.05
63/64	mix B	10 / 5
65/66	↓	2 / 1
67/68	↓	0.25/0.05
2239	mix A (ICV)	5
2271	mix B (ICV)	5

Date of ICAL: 8/20/04

Column Information: ultracarb @ 8/20/04 #241334-2
Data Directory: 082004A
Sequence File: 082004B
Quantitation Methods: EX082004 – Explosive
NG082004 – Nitroglycerine
Instrument Run Batches: GST 368 – Exp
GST 369 – NG
Data Acquisition Methods: Ultracar
Inj. Vol: 75 µl

Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
1	ST8049	A 10	op7581 op7582	LC8330/LC8332	W	NA	Changed λ from 204 nm to 214 to suit for NG.
2	50	5					
3	51	2					
4	52	1					Primary run.
5	53	0.25					
6	54	0.05					
7	55	B 10					any compd hit is to be confirmed on LC2 on Synergi column.
8	56	5					
9	57	2					
10	58	1					
11	59	0.25					
12	60	0.05					
13	61	A 5 ICV					
14	62	B 10 ICV					OK
15	63	~~N74814 -1x~~ 2M8/31/04 -1					LC2242, OK for GST 368
16	64	M41346 – ~~-2x~~ -2					ND M41346 -1
17	65	~~-3x~~ -3					O-NT / P-NT -2
18	66	~~-4x~~ -4					ND -3
19	67	~~-5x~~ -5					O-NT -4
20	68	~~-6x~~ -6					O-NT -5
21	69	~~-7x~~ -7					O-NT / P-NT -6
1	70	~~-9x~~ -9					P-NT -7
2	71	~~-10x~~ -10					O-NT / P-NT -9
3	72	A 2					O-NT -10
8	73	B 5					OK
1	74	op7581 - mB	op7581				OK
2	75	↓ - BS	↓	↓	↓	↓	O-NT

MTX = Matrix: Designate W for water, S for soil, O for oil.

08/22/04

GC003-04
Date: 7/02/03

Review: [signature]

Accutest Laboratories of New England, Inc.

HPLC Analysis Log - Extractables

Run Date: 8/20/04 (Cont'd)

Analyst Signature: [illegible]

Standard Data

Lot #	Description	Conc
See previous page		

Column Information:
Data Directory:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: See previous page
Inj. Vol:

Date of ICAL: 8/20/04

Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
3	ST8076	ZM 8/21/04 W7494.11X	OP7581	LC8336/LC8332	W	NA	O-NT / P-NT M413 46-11
4	77	~~-12X~~	OP7582				O-NT / P-NT -12
5	78	~~-13X~~					O-NT -13
6	79	~~-14X~~					O-NT -14
7	80	~~-15X~~					O-NT / P-NT -15
8	81	OP7581-MS	OP7581				
9	82	-MSD					
14	82A	B 5 ICV					new 8/21/04 OK
18	83	A 5					OK
21	84	B 2					
10	85	OP7582-MB	OP7582	LC8332			
11	86	-BS					
12	87	-MS					
13	88	-MSD					
19	89	A 2					OK
20	90	B 5					OK

8/22/04

MTX = Matrix: Designate W for water, S for soil, O for oil.

08/22/04

ICC003-04
Date: 7/02/03

Review:

Accutest Laboratories of New England, Inc.

GC Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction 8332

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
3. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
4. Surrogate Recoveries Meet Criteria (if applicable)		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
5. Blank Spike, Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		
6. Extraction Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		
7. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		
8. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*		

Additional Comments:

QC Review Signature: Thanyun Ng **Date:** Sept 1, 2004

QA037-03 (4/30/03)

QC Summary

f332

(Test)

Semivolatile Surrogate Recovery Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Method: SW846 8332 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
M41346-1	ST8063.D	83.0
M41346-2	ST8064.D	88.0
M41346-3	ST8065.D	92.0
M41346-4	ST8066.D	86.0
M41346-5	ST8067.D	89.0
M41346-6	ST8068.D	91.0
M41346-7	ST8069.D	84.0
M41346-9	ST8070.D	80.0
M41346-10	ST8071.D	85.0
M41346-11	ST8076.D	88.0
M41346-12	ST8077.D	84.0
M41346-13	ST8078.D	84.0
M41346-14	ST8079.D	82.0
M41346-15	ST8080.D	76.0
OP7582-BS	ST8086.D	88.0
OP7582-MB	ST8085.D	93.0
OP7582-MS	ST8087.D	91.0
OP7582-MSD	ST8088.D	93.0

Surrogate Compounds	Recovery Limits
S1 = o-Dinitrobenzene	43-128%

(a) Recovery from GC signal #2

Method Blank Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7582-MB	ST8085.D	1	08/21/04	CZ	08/18/04	OP7582	GST369

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

M41346-1, M41346-2, M41346-3, M41346-4, M41346-5, M41346-6, M41346-7, M41346-9, M41346-10, M41346-11, M41346-12, M41346-13, M41346-14, M41346-15

CAS No.	Compound	Result	RL	Units	Q
55-63-0	Nitroglycerine	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
528-29-0	o-Dinitrobenzene	93%	43-128%

Blank Spike Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7582-BS	ST8086.D	1	08/21/04	CZ	08/18/04	OP7582	GST369

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

M41346-1, M41346-2, M41346-3, M41346-4, M41346-5, M41346-6, M41346-7, M41346-9, M41346-10, M41346-11, M41346-12, M41346-13, M41346-14, M41346-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
55-63-0	Nitroglycerine	10	10.0	100	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
528-29-0	o-Dinitrobenzene	88%	43-128%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7582-MS	ST8087.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
OP7582-MSD	ST8088.D	1	08/21/04	CZ	08/18/04	OP7582	GST369
M41346-9	ST8070.D	1	08/21/04	CZ	08/18/04	OP7582	GST369

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

M41346-1, M41346-2, M41346-3, M41346-4, M41346-5, M41346-6, M41346-7, M41346-9, M41346-10, M41346-11, M41346-12, M41346-13, M41346-14, M41346-15

CAS No.	Compound	M41346-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
55-63-0	Nitroglycerine	ND		10.6	10.9	102	11.2	105	3	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	M41346-9	Limits
528-29-0	o-Dinitrobenzene	91%	93%	80%	43-128%

GC Surrogate Retention Time Summary

Job Number: M41346
Account: ENSRMA ENSR
Project: Former Camp Butner, NC

Check Std:	GST368-CC368	**Injection Date:**	08/21/04
Lab File ID:	ST8083.D	**Injection Time:**	16:03
Instrument ID:	GCST	**Method:**	SW846 8332

	S1 [a] RT
Check Std	11.17

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP7582-MB	ST8085.D	08/21/04	17:04	10.77
OP7582-BS	ST8086.D	08/21/04	17:35	10.76
OP7582-MS	ST8087.D	08/21/04	18:06	10.77
OP7582-MSD	ST8088.D	08/21/04	18:36	10.84

Surrogate Compounds

S1 = o-Dinitrobenzene

(a) Retention time from GC signal #2

Sample Raw Data

8332

(Test)

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8063.D\fld1a.ch Vial: 15
Signal #2 : D:\HPLC1\DATA\082004A\ST8063.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:39:31 Operator: caobinz
Sample : ~~N74914-1x~~ M413 46-1 ✓ 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:34 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.77	89282036	4.126 ppb m
Spiked Amount 5.000 Range 43 - 128		Recovery =	82.52%
Target Compounds			

8/22/04

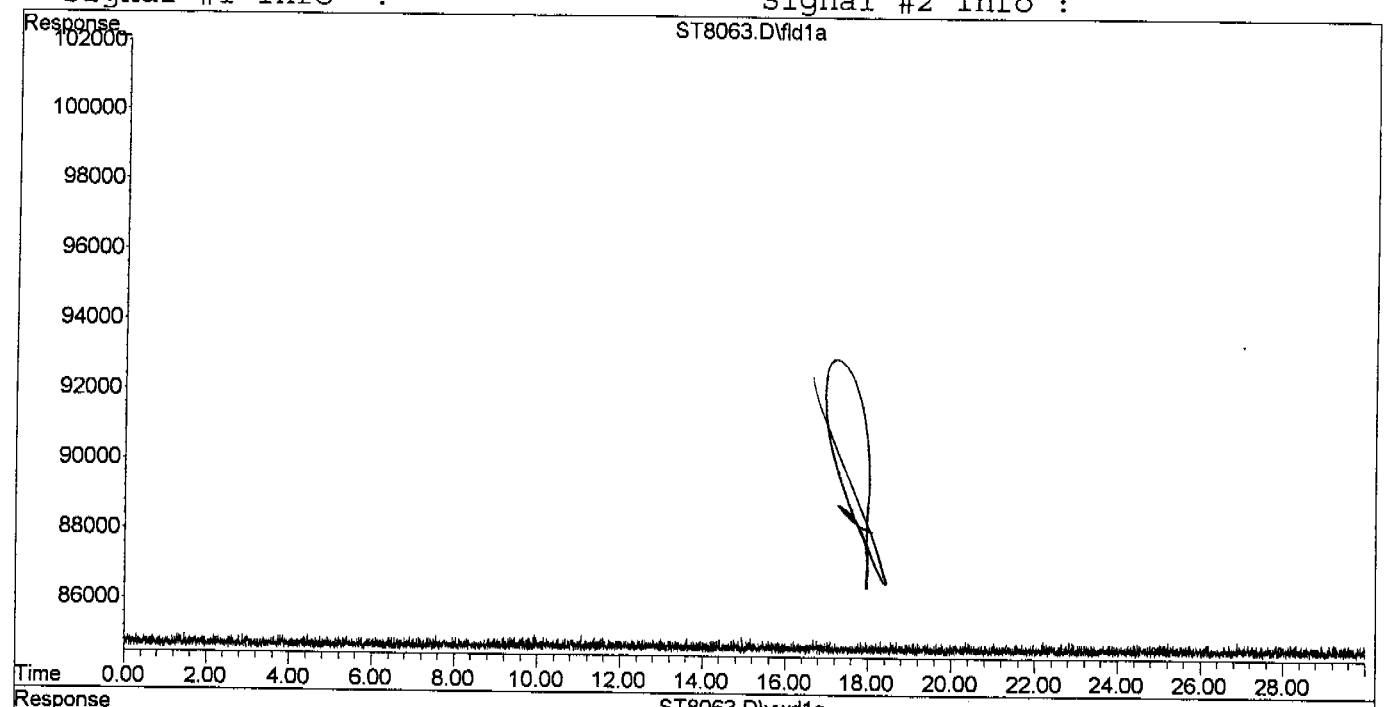
(f)=RT Delta > 1/2 Window (m)=manual int.

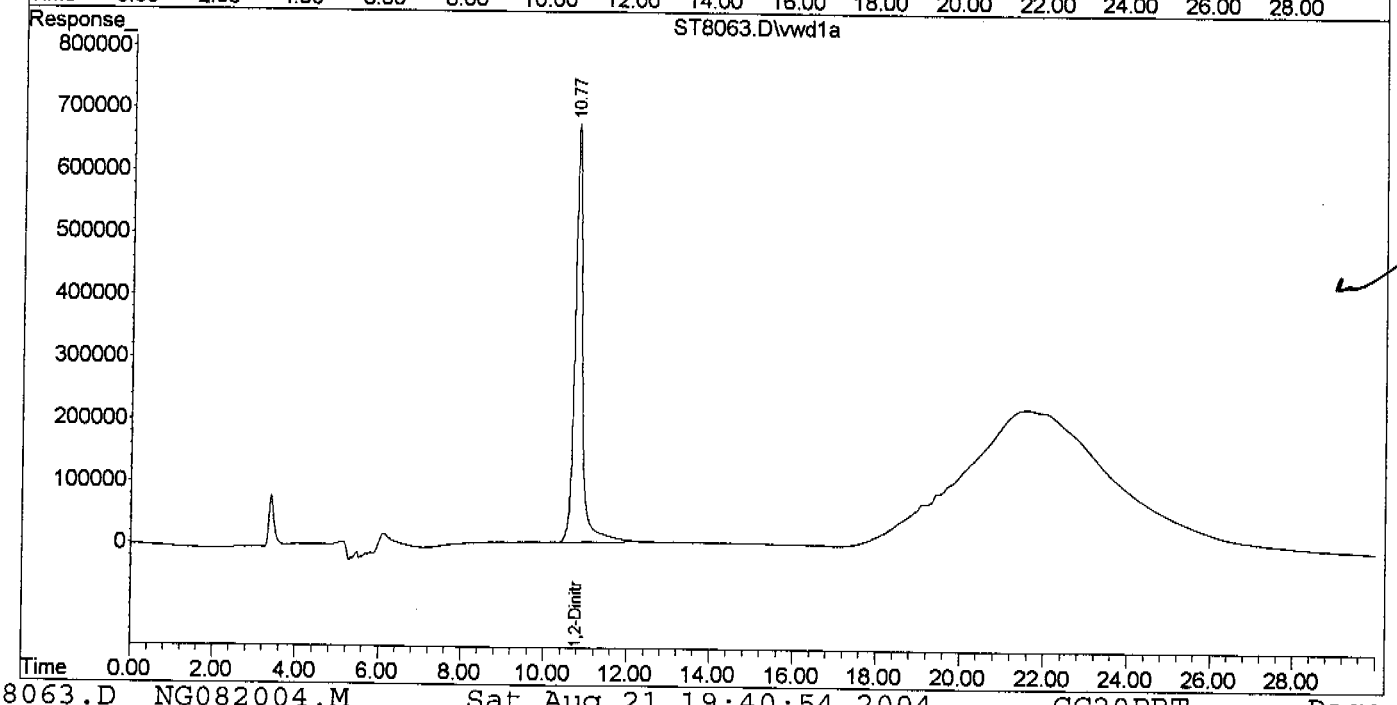
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8063.D\fld1a.ch Vial: 15
Signal #2 : D:\HPLC1\DATA\082004A\ST8063.D\vwd1a.ch
Acq On : 21-Aug-2004, 02:39:31 Operator: caobinz
Sample : ~~N74914-1x~~ M4136-1, 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:34 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8064.D\fld1a.ch Vial: 16
Signal #2 : D:\HPLC1\DATA\082004A\ST8064.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:10:10 Operator: caobinz
Sample : ~~N74914-2x~~ N4346-2 ✓ 2N 9/1/04 Inst : FLD
Misc : op7582,gst369,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:47 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.80	95216676	4.400 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 88.00%			
Target Compounds			

08/24/04

8/27/04

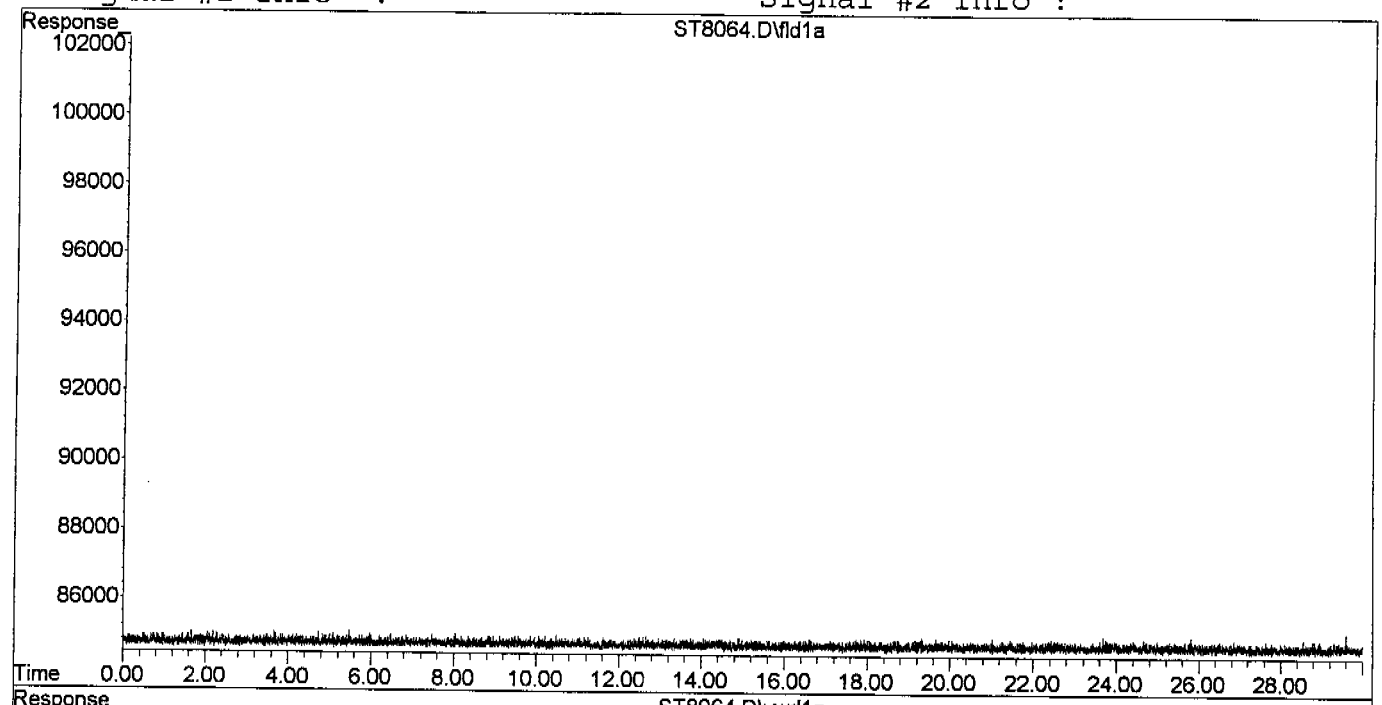
(f)=RT Delta > 1/2 Window (m)=manual int.

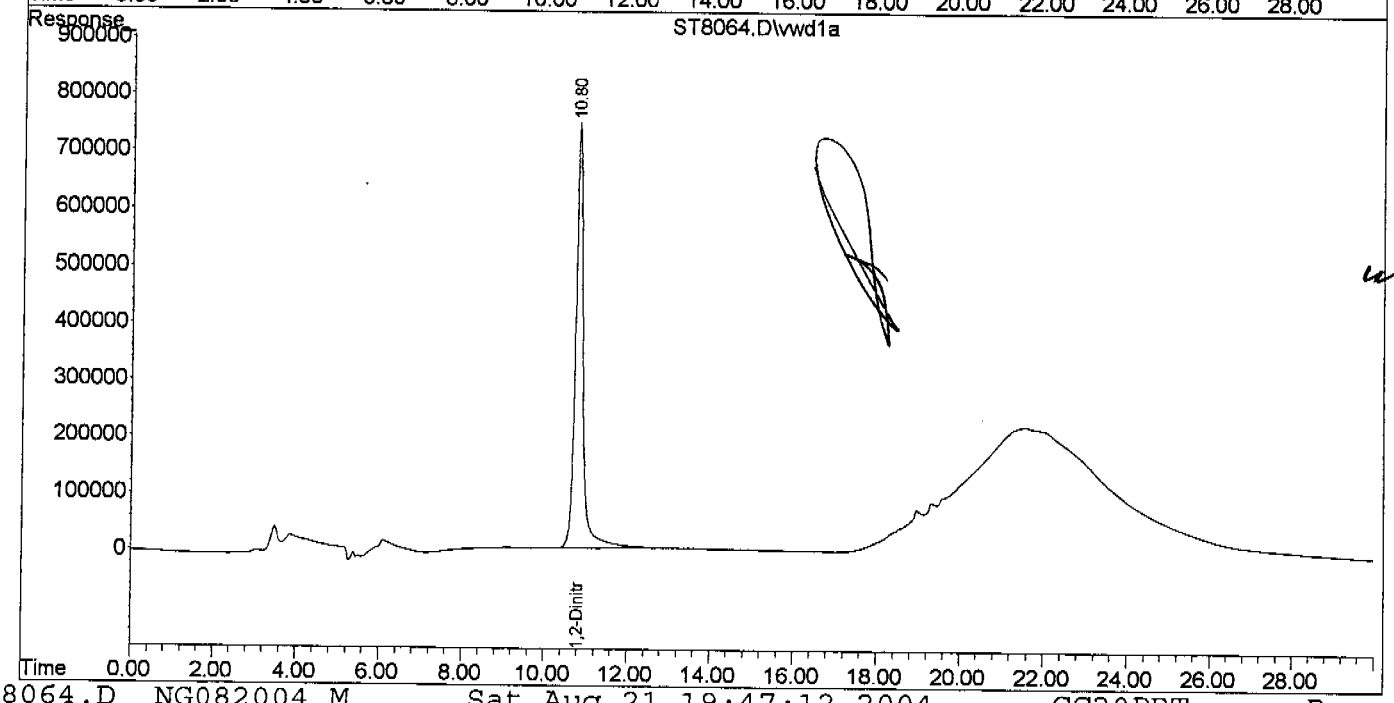
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8064.D\fld1a.ch Vial: 16
Signal #2 : D:\HPLC1\DATA\082004A\ST8064.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:10:10 Operator: caobinz
Sample : ~~N74914-2x~~ M41346-2 2 M 9/1/04 Inst : FLD
Misc : op7582,gst369,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:47 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8065.D\fld1a.ch Vial: 17
Signal #2 : D:\HPLC1\DATA\082004A\ST8065.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:40:50 Operator: caobinz
Sample : ~~N74914-3x~~ M41346-3 JM 9/1/04 Inst : FLD
Misc : op7582,gst369,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:47 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	99268362	4.587 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	91.74%
Target Compounds			

08/22/04

8/22/04

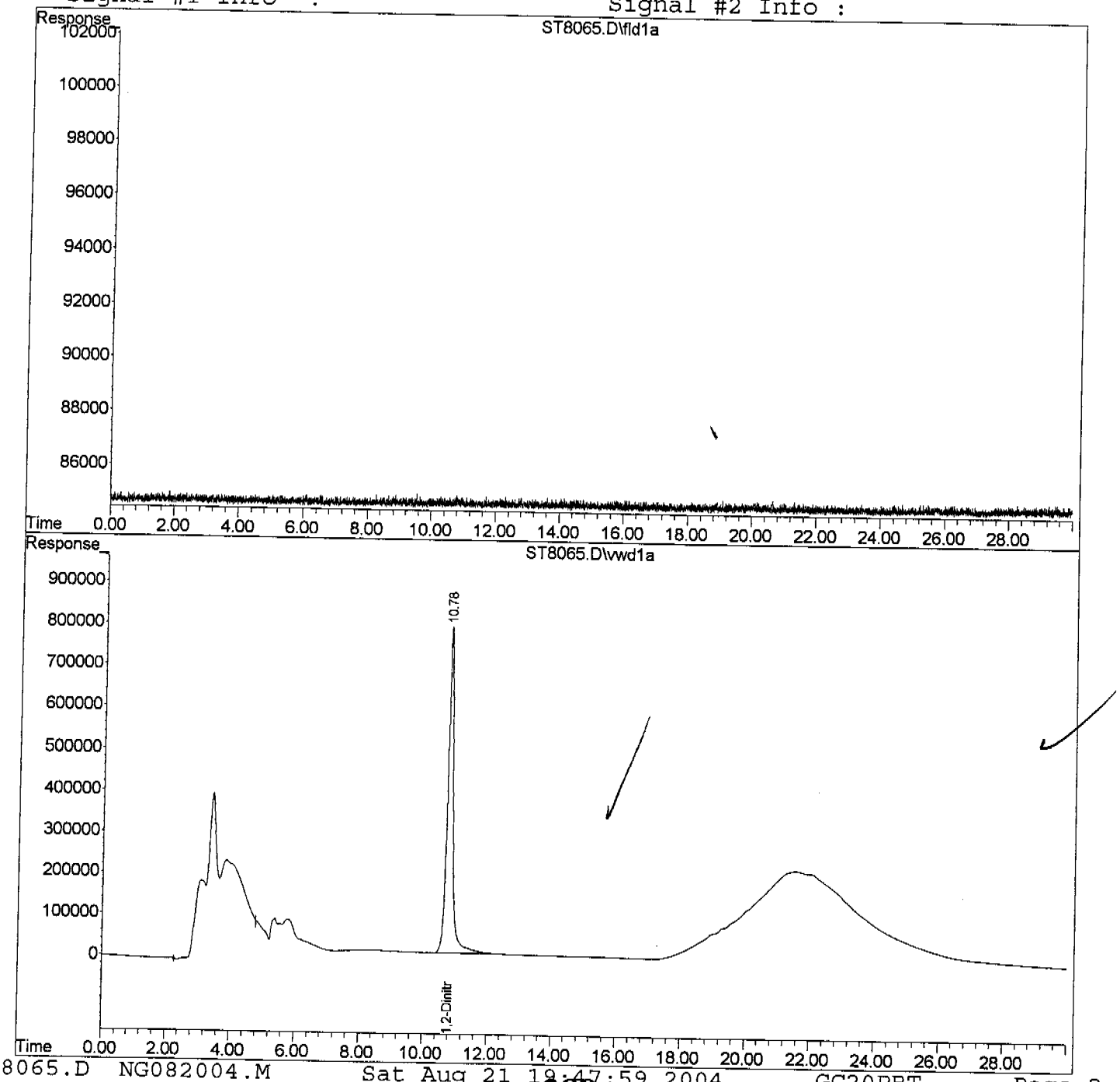
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8065.D NG082004.M Sat Aug 21 19:47:59 2004 GC20PRT Page 1

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8065.D\fld1a.ch Vial: 17
Signal #2 : D:\HPLC1\DATA\082004A\ST8065.D\vwd1a.ch
Acq On : 21-Aug-2004, 03:40:50 Operator: caobinz
Sample : ~~N74914-3x~~ M 41346-3, 2m 9/1/04 Inst : FLD
Misc : op7582,gst369,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:47 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8066.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8066.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:11:30 Operator: caobinz
Sample : ~~N74914-4x~~ 141346-4 / 2n 9/1/04 Inst : FLD
Misc : op7582,gst369,980,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:48 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	93259048	4.310 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	86.20%
Target Compounds			

9/2/04

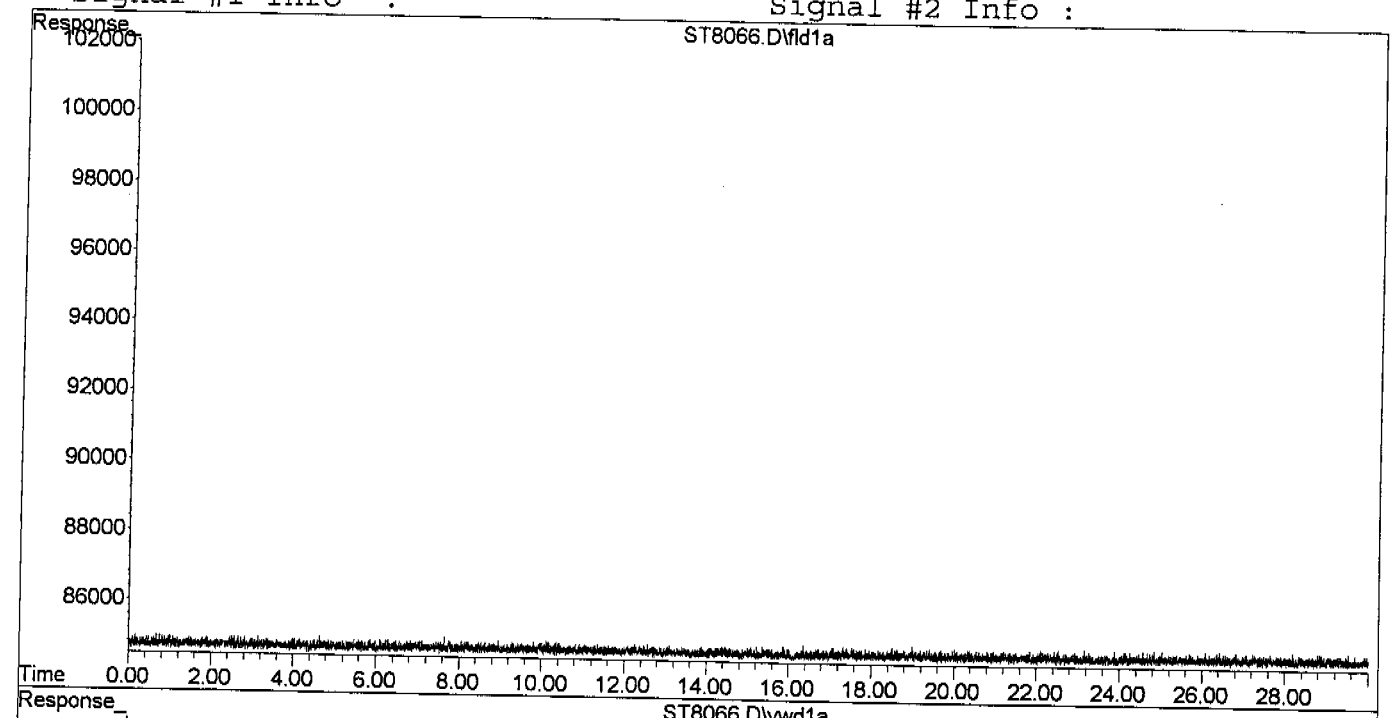
(f)=RT Delta > 1/2 Window (m)=manual int.

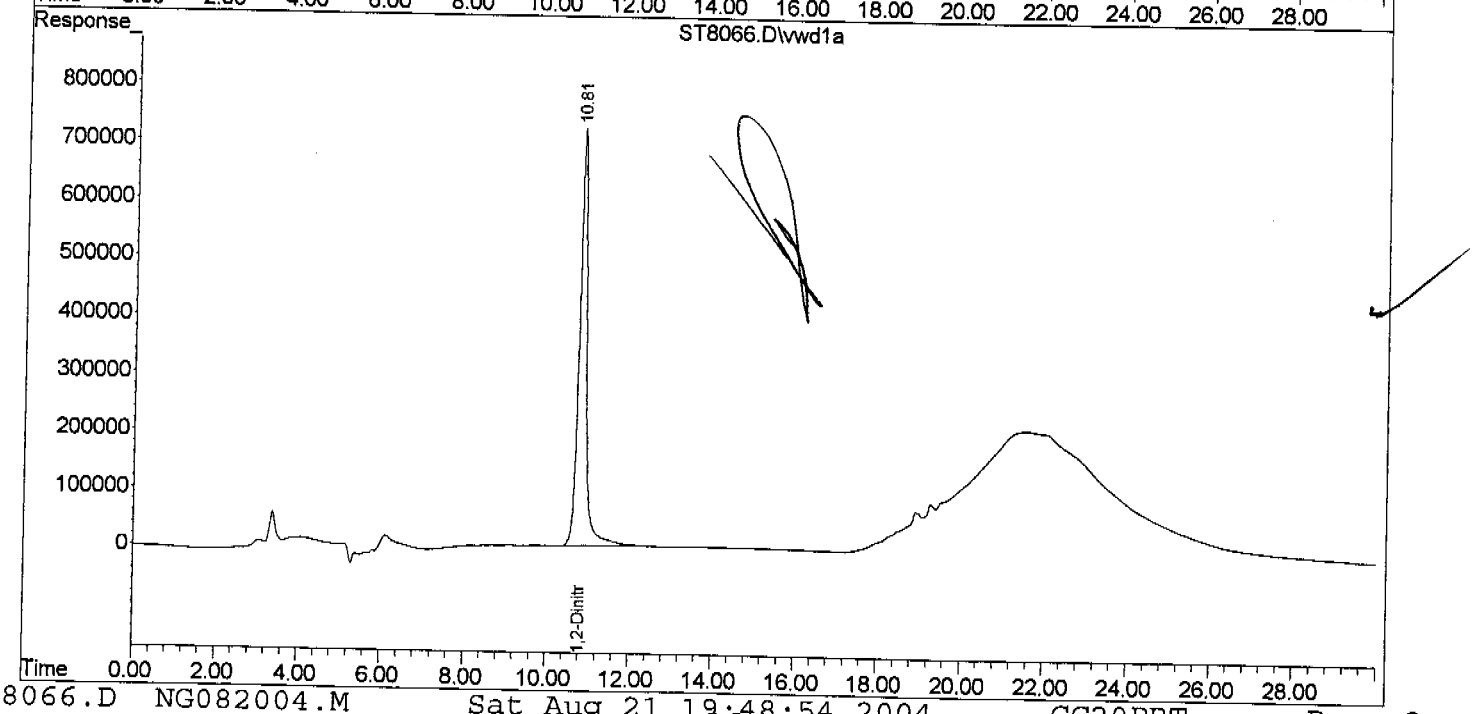
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8066.D\fld1a.ch Vial: 18
Signal #2 : D:\HPLC1\DATA\082004A\ST8066.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:11:30 Operator: caobinz
Sample : ~~N74914 4x~~ M41346-4 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,980,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:48 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8067.D\fld1a.ch Vial: 19
Signal #2 : D:\HPLC1\DATA\082004A\ST8067.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:42:10 Operator: caobinz
Sample : ~~N74914-5x~~ M41346-5. ✓ 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,930,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:49 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	96662424	4.467 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	89.34%

Target Compounds

08/22/04

8/22/04

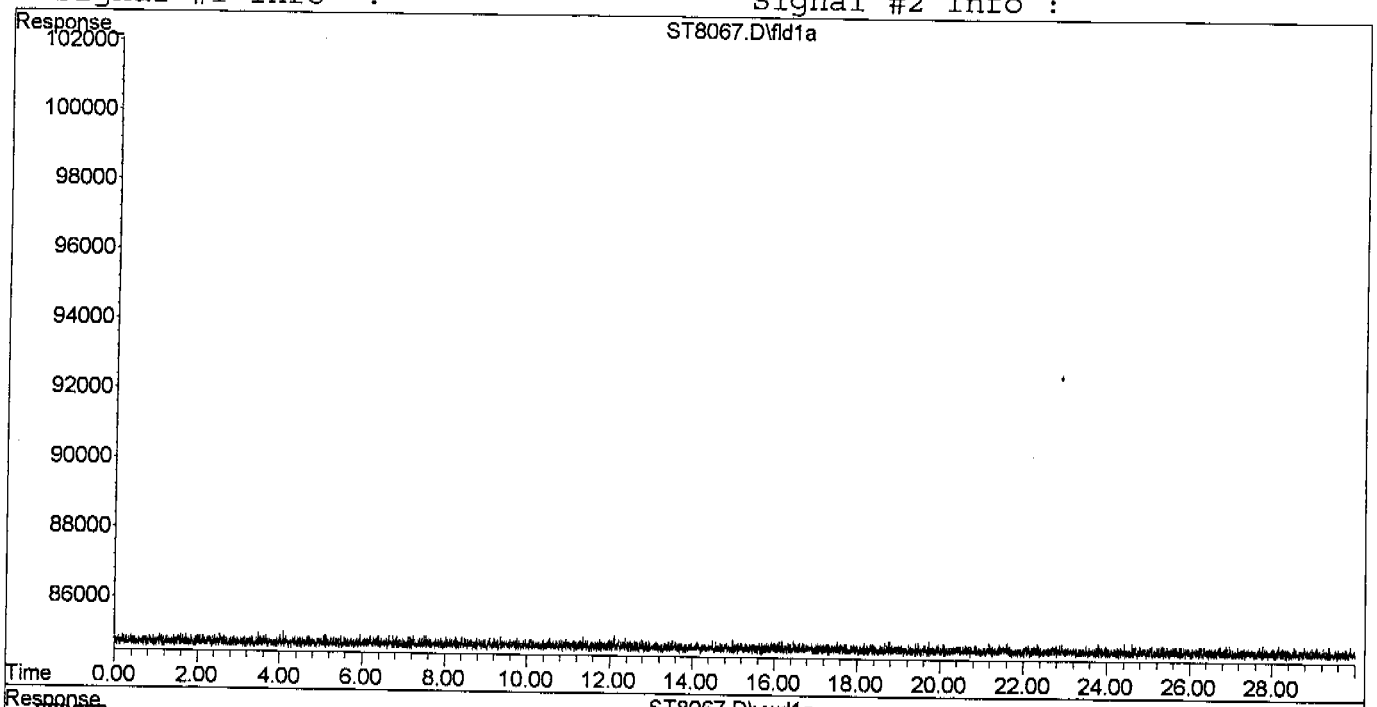
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8067.D NG082004.M Sat Aug 21 19:49:41 2004 GC20PRT Page 1

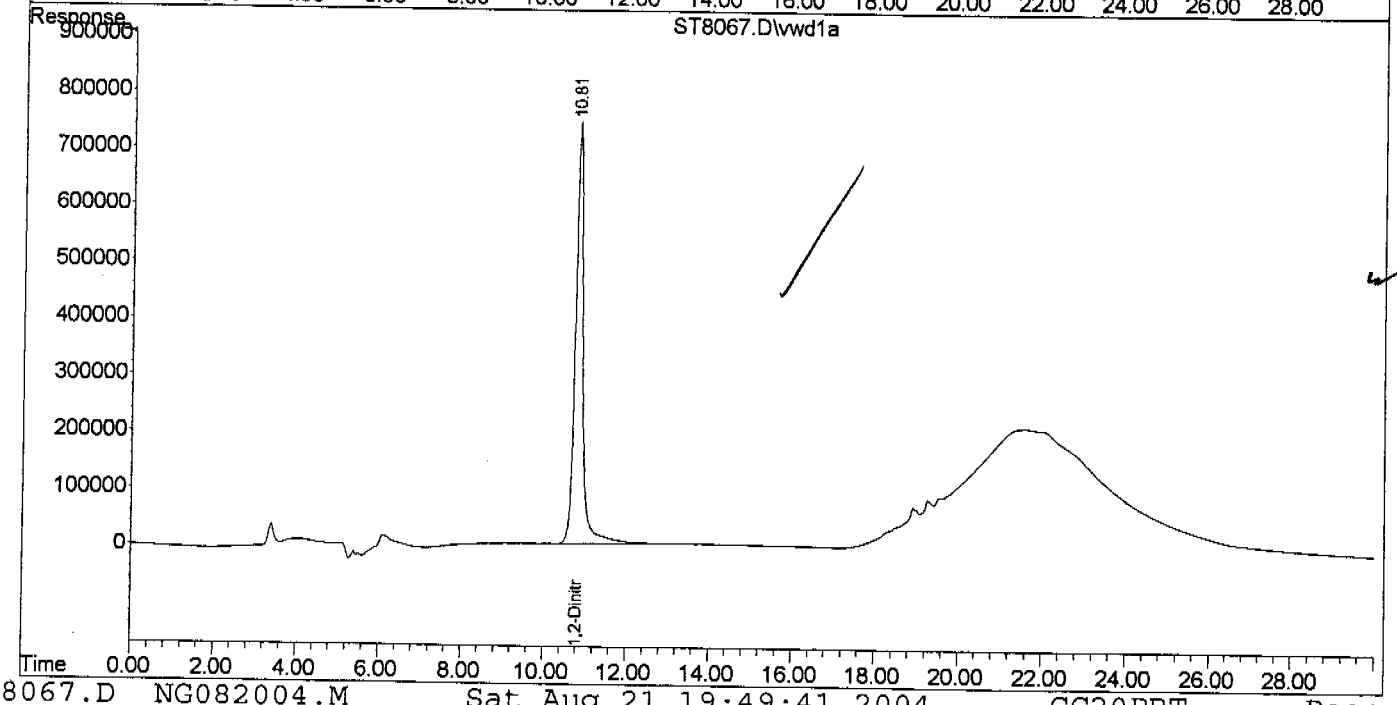
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8067.D\fld1a.ch Vial: 19
Signal #2 : D:\HPLC1\DATA\082004A\ST8067.D\vwd1a.ch
Acq On : 21-Aug-2004, 04:42:10 Operator: caobinz
Sample : ~~N74914-5x~~ M4346-5 , 24 9/1/04 Inst : FLD
Misc : op7582,gst369,930,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:49 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8068.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8068.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:12:51 Operator: caobinz
Sample : ~~N74914-6x~~ M4136-6 ✓ 24 9/1/04 Inst : FLD
Misc : op7582,gst369,920,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:50 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.82	98181740	4.537 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	90.74%
Target Compounds			

08/22/04

8/22/04

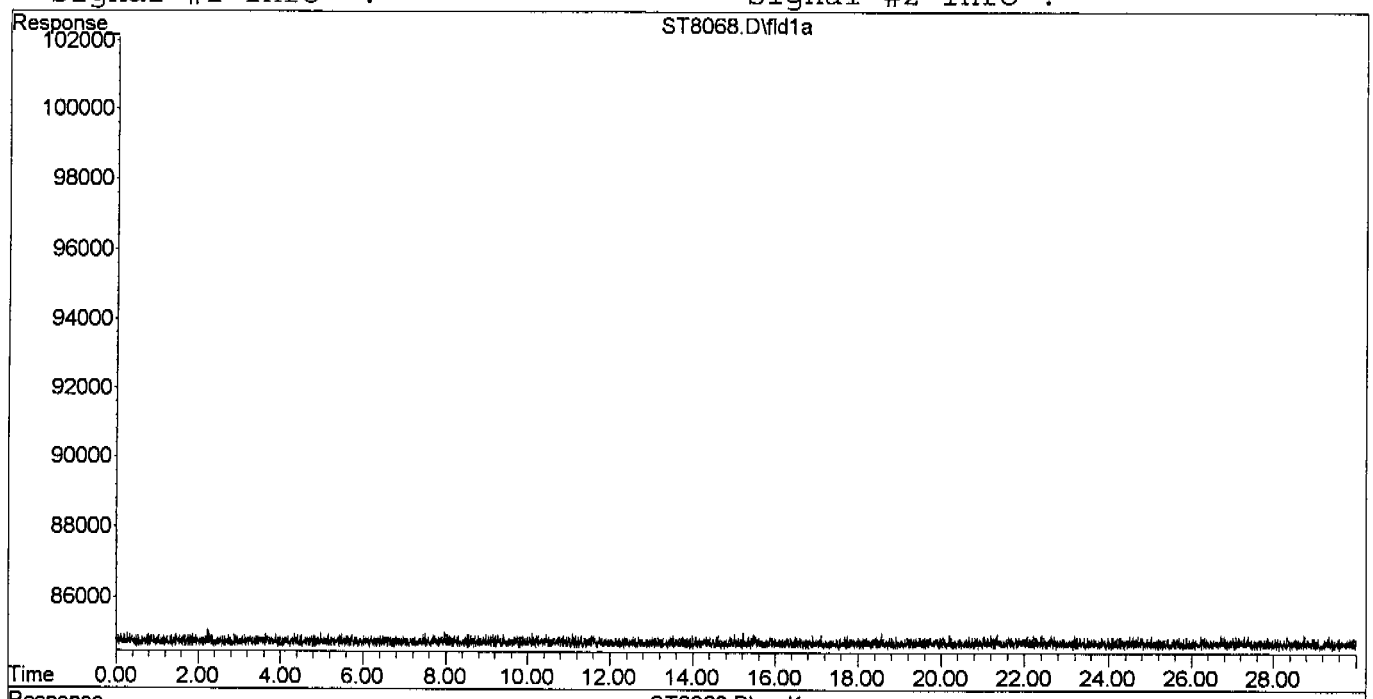
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8068.D NG082004.M Sat Aug 21 19:50:22 2004 GC20PRT Page 1

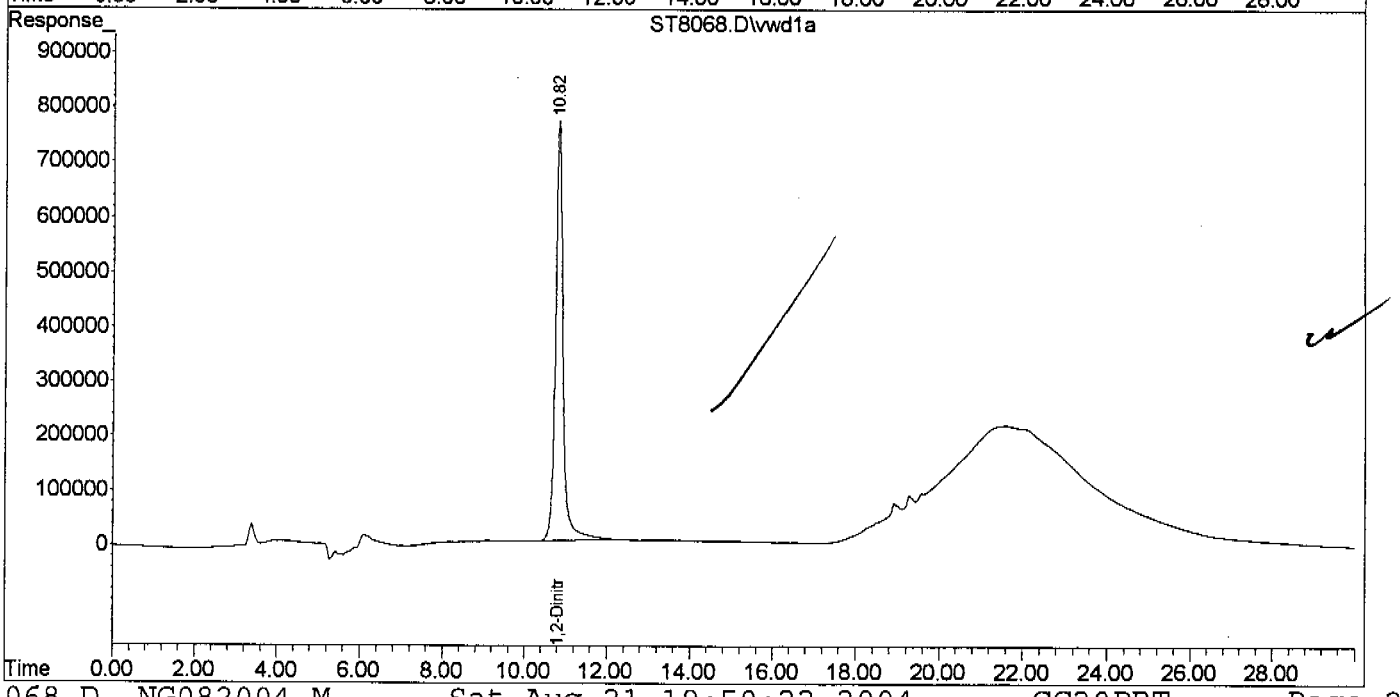
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8068.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8068.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:12:51 Operator: caobinz
Sample : ~~N74914-6x~~ M 41346-6 . JM 9/1/04 Inst : FLD
Misc : op7582,gst369,920,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:50 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8069.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8069.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:43:32 Operator: caobinz
Sample : ~~N74914-7x~~ M41346-7 / 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:50 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.82	91129255	4.211 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	84.22%
Target Compounds			

08/20/04

8/20/04

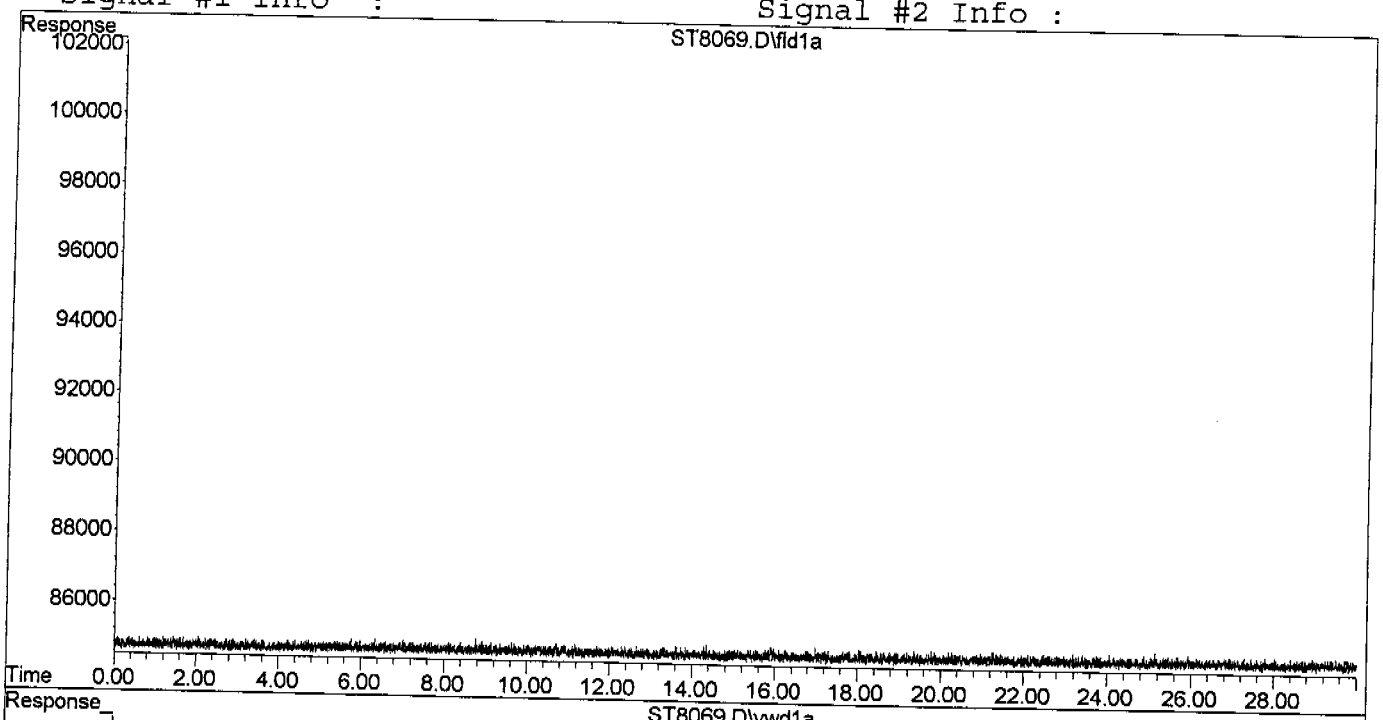
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8069.D NG082004.M Sat Aug 21 19:54:05 2004 GC20PRT Page 1

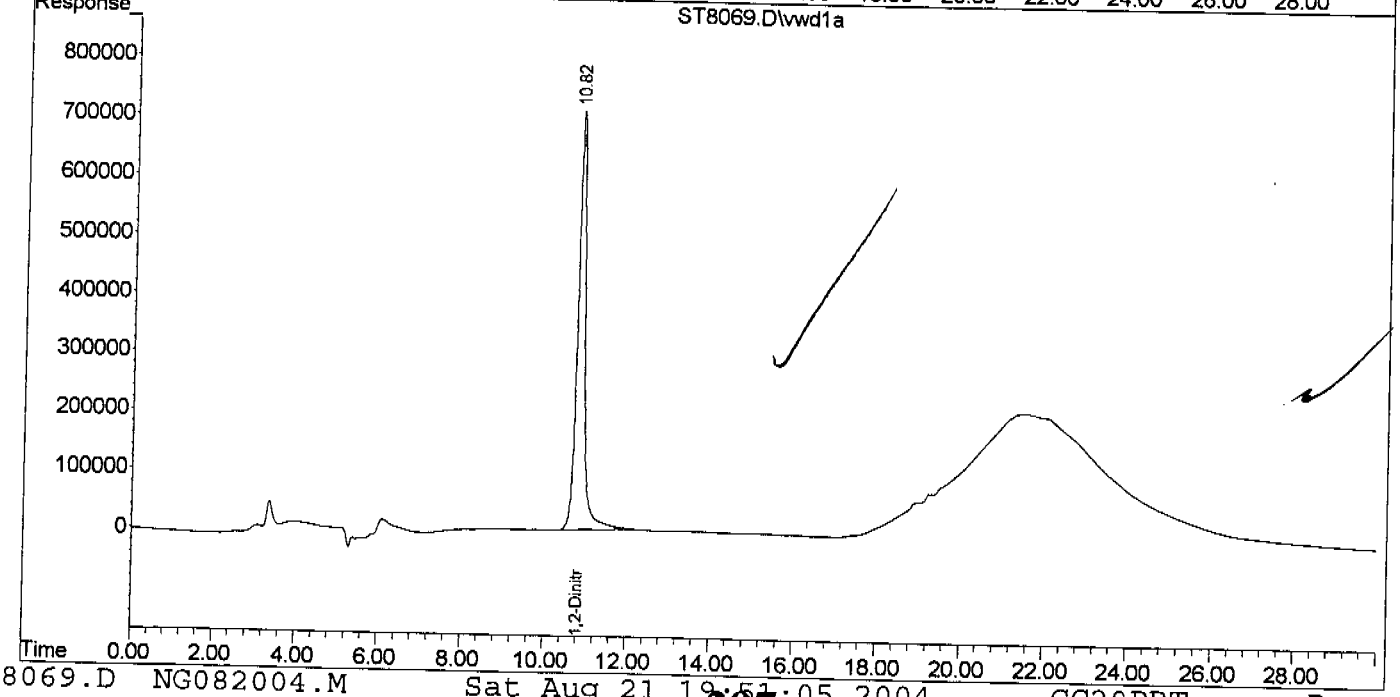
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8069.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8069.D\vwd1a.ch
Acq On : 21-Aug-2004, 05:43:32 Operator: caobinz
Sample : ~~N74914-7x~~ ~~M41346~~ DM 9/1/4 M41346-7 Inst : FLD
Misc : op7582,gst369,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:50 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8070.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8070.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:14:10 Operator: caobinz
Sample : ~~N74914-9x~~ M41346-9 / 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,870,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:51 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	86679336	4.006 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	80.12%
Target Compounds			

08/22/04

8/22/04

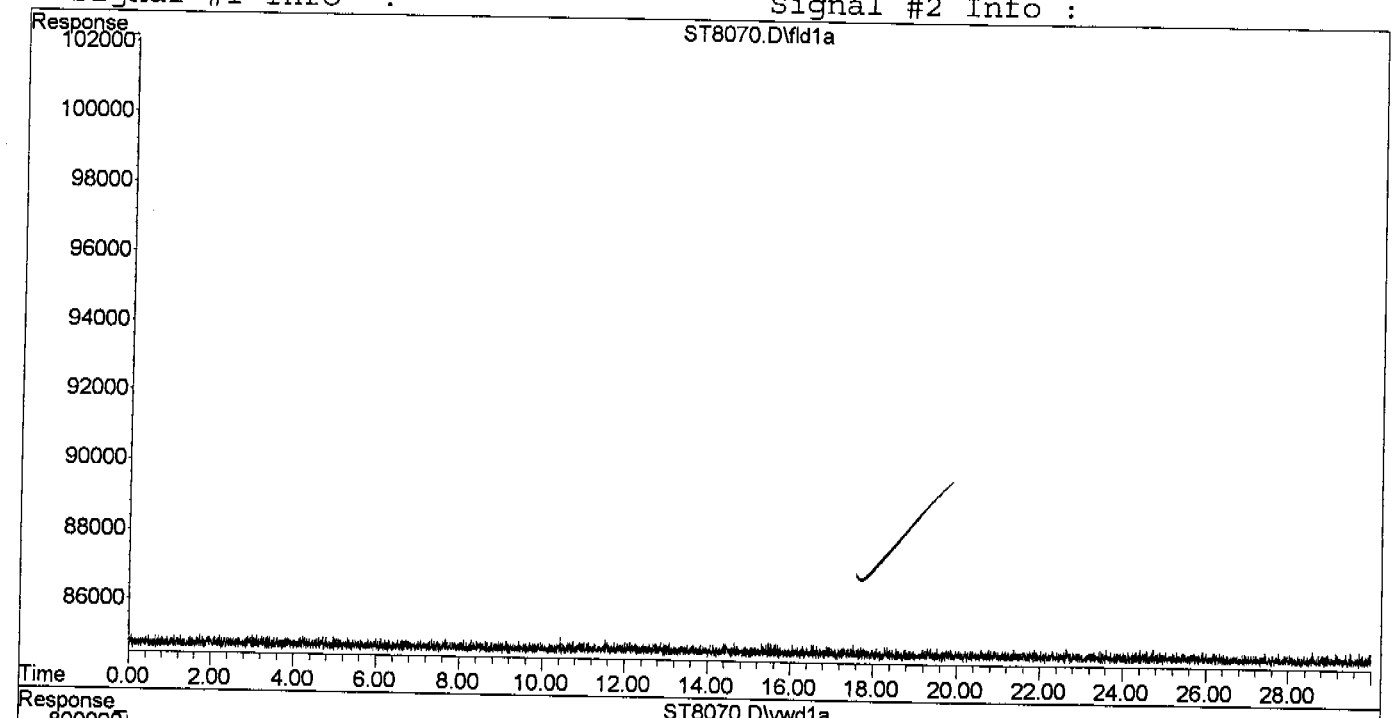
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8070.D NG082004.M Sat Aug 21 19:51:51 2004 GC20PRT Page 1

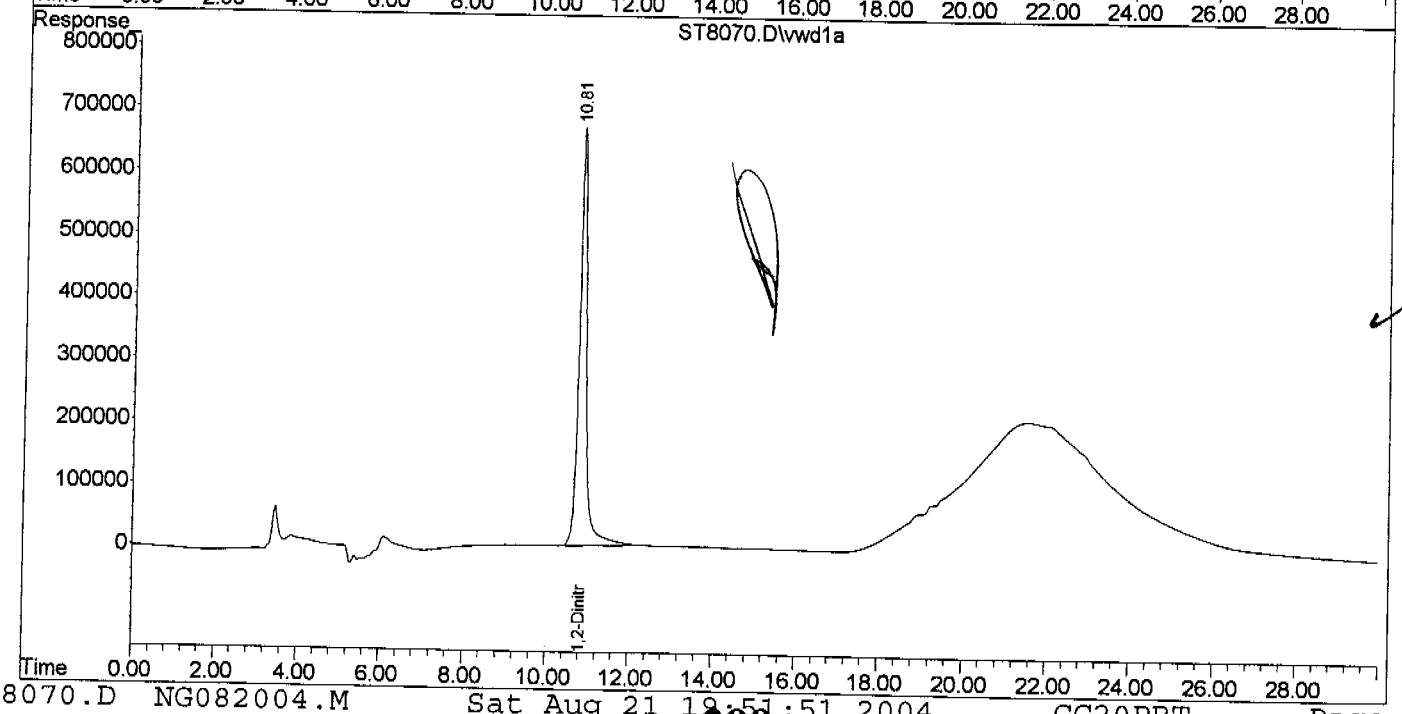
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8070.D\fld1a.ch Vial: 1
Signal #2 : D:\HPLC1\DATA\082004A\ST8070.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:14:10 Operator: caobinz
Sample : ~~N74914-9x~~ M41346-9. 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,870,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:51 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8071.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8071.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:44:48 Operator: caobinz
Sample : ~~N74914-10x~~ N91346-10 ✓ . 2 N 8/1/04 Inst : FLD
Misc : op7582,gst369,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:52 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.84	91899398	4.247 ppb m

Spiked Amount 5.000 Range 43 - 128 Recovery = 84.94%

Target Compounds

08/22/04

8/22/04

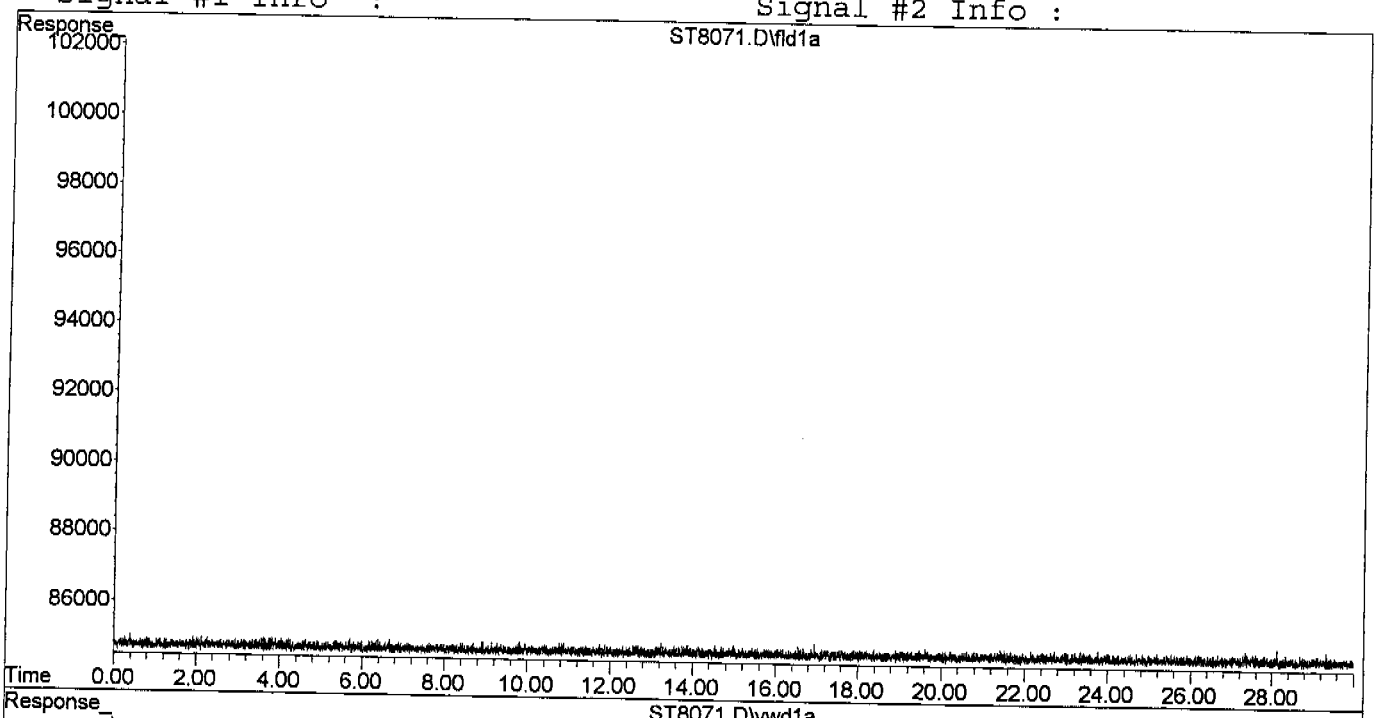
(f)=RT Delta > 1/2 Window (m)=manual int.

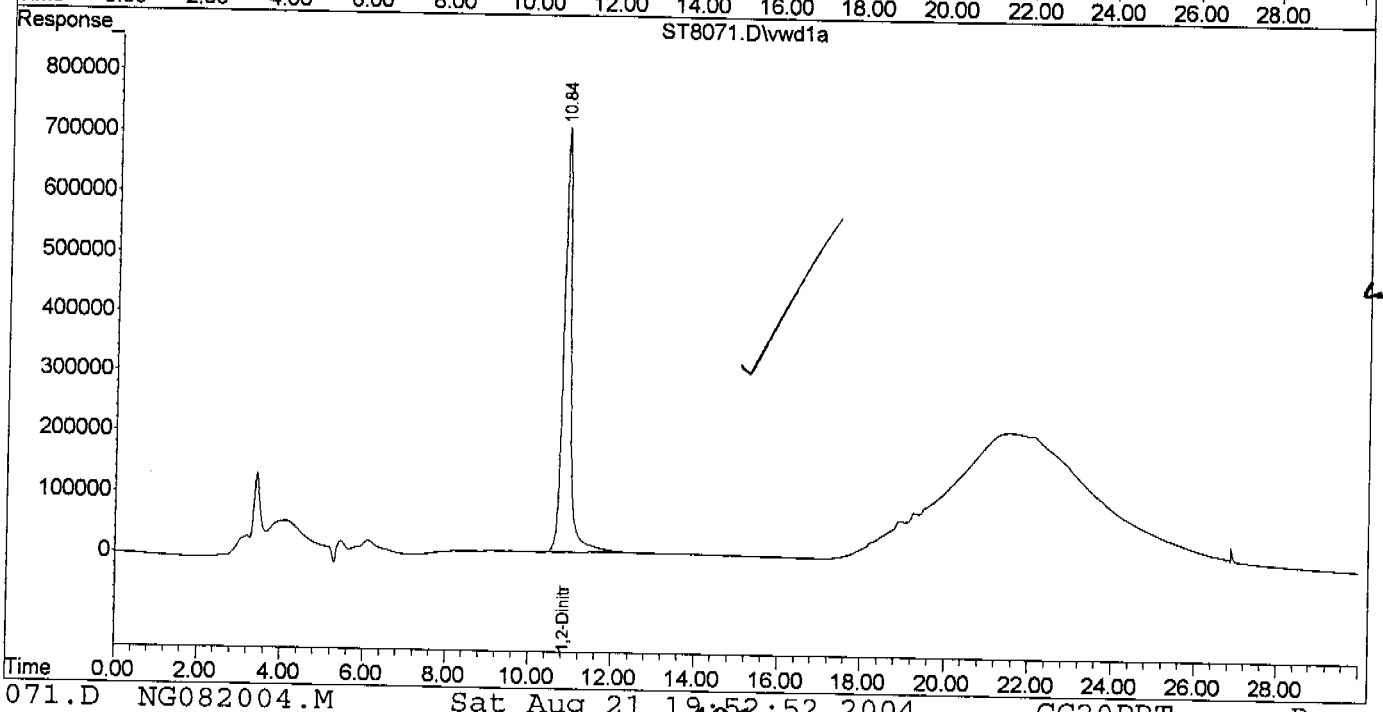
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8071.D\fld1a.ch Vial: 2
Signal #2 : D:\HPLC1\DATA\082004A\ST8071.D\vwd1a.ch
Acq On : 21-Aug-2004, 06:44:48 Operator: caobinz
Sample : ~~N74914-10x~~ M41346-10. JH 9/1/04 Inst : FLD
Misc : op7582,gst369,900,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:52 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8076.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8076.D\vwd1a.ch
Acq On : 21-Aug-2004, 10:57:51 Operator: caobinz
Sample : ~~n74914-11x~~ M91346- 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:57 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	95583138	4.417 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	88.34%
Target Compounds			

08/22/04

8/26/04

(f)=RT Delta > 1/2 Window (m)=manual int.
ST8076.D NG082004.M Sat Aug 21 19:58:00 2004 GC20PRT Page 1

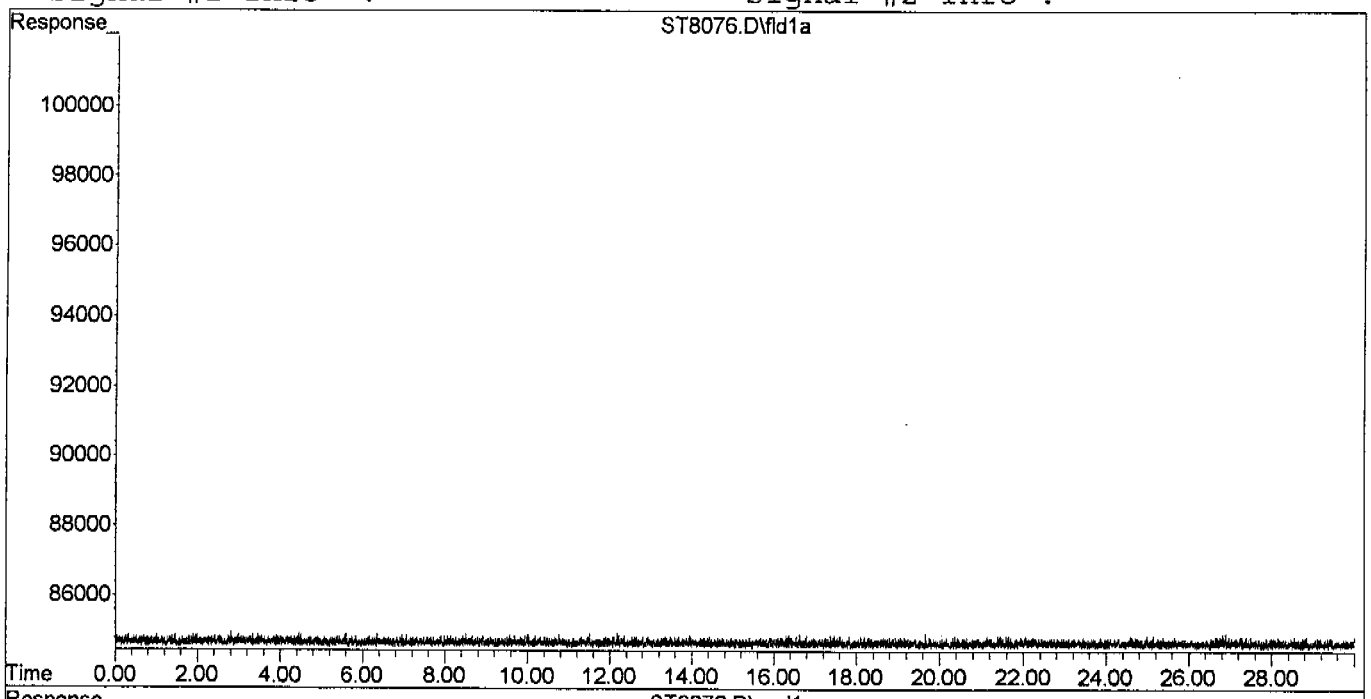
402

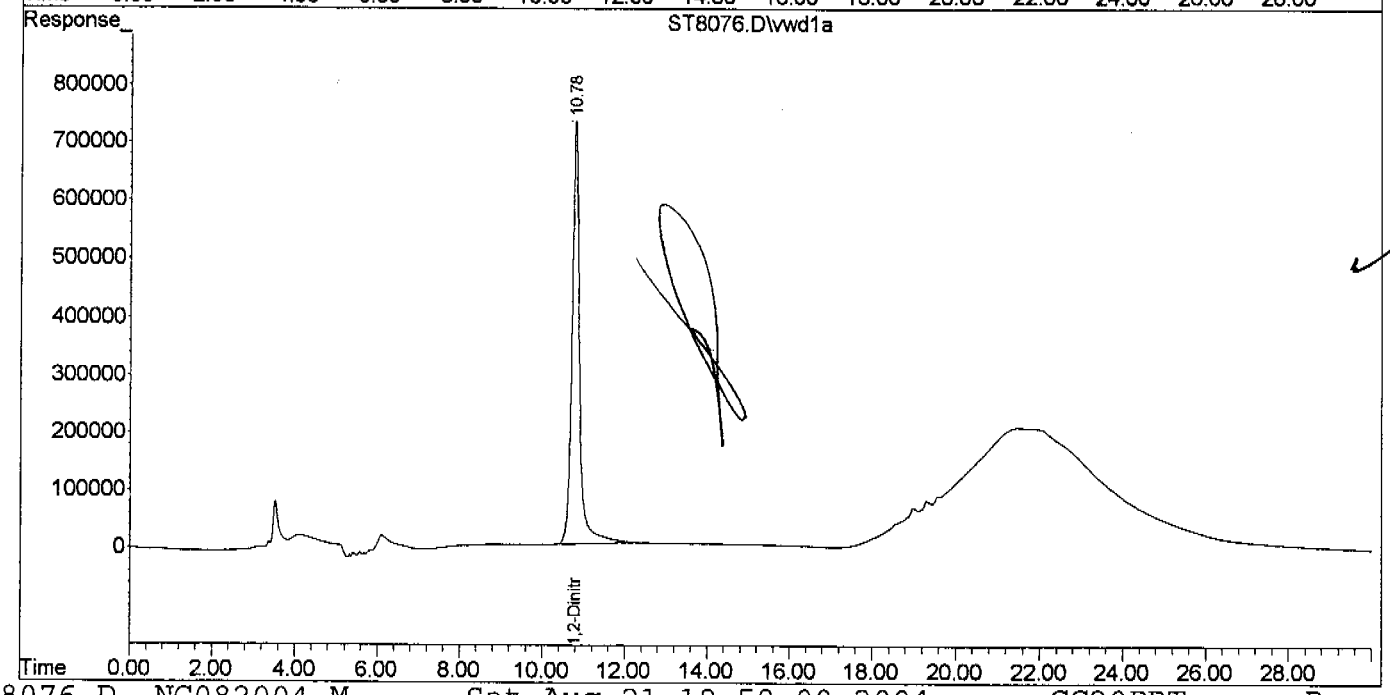
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8076.D\fld1a.ch Vial: 3
Signal #2 : D:\HPLC1\DATA\082004A\ST8076.D\vwd1a.ch
Acq On : 21-Aug-2004, 10:57:51 Operator: caobinz
Sample : ~~n74914-11x~~ n41346-11 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,850,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:57 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8077.D\fld1a.ch Vial: 4
Signal #2 : D:\HPLC1\DATA\082004A\ST8077.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:28:30 Operator: caobinz
Sample : ~~n74914-12x~~ M41346-02 JM 9/1/04 Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:58 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	90772082	4.195 ppb m
Spiked Amount 5.000 Range 43 - 128		Recovery =	83.90%
Target Compounds			

08/20 22/04

8/12/04

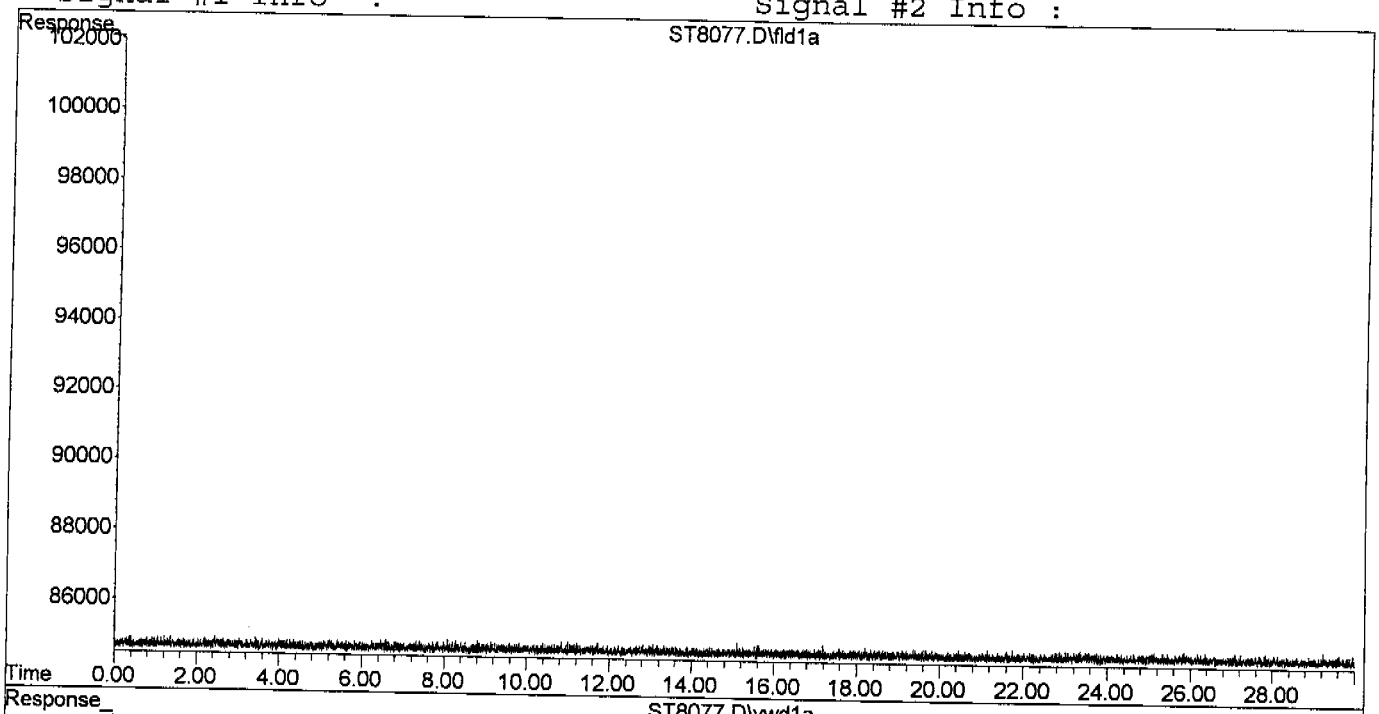
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8077.D NG082004.M Sat Aug 21 404 58:41 2004 GC20PRT Page 1

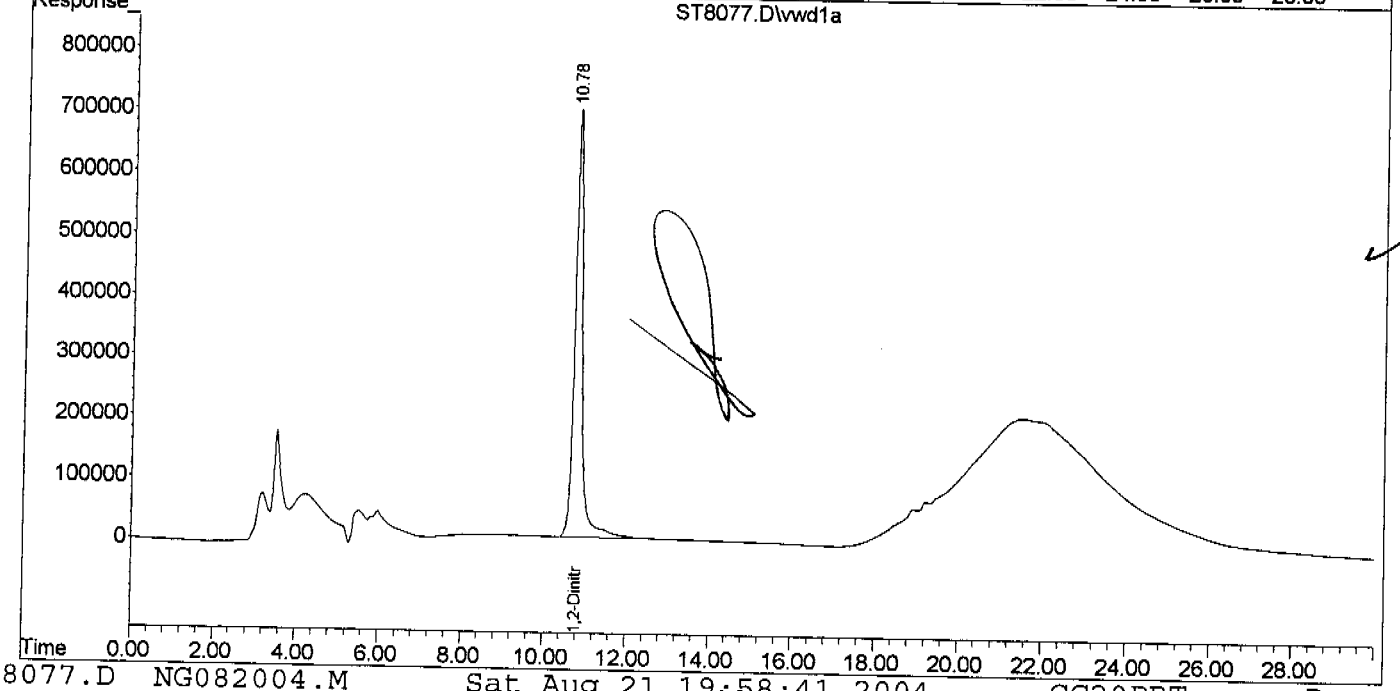
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8077.D\fld1a.ch Vial: 4
Signal #2 : D:\HPLC1\DATA\082004A\ST8077.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:28:30 Operator: caobinz
Sample : ~~n74914-12x~~ M41346-12 , 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:58 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8078.D\fld1a.ch Vial: 5
Signal #2 : D:\HPLC1\DATA\082004A\ST8078.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:59:08 Operator: caobinz
Sample : ~~n74914-13x~~ M1346-13 ✓ 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,880,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:59 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.77	90865636	4.199 ppb m

Spiked Amount 5.000 Range 43 - 128 Recovery = 83.98%

Target Compounds

08/22/04

8/22/04

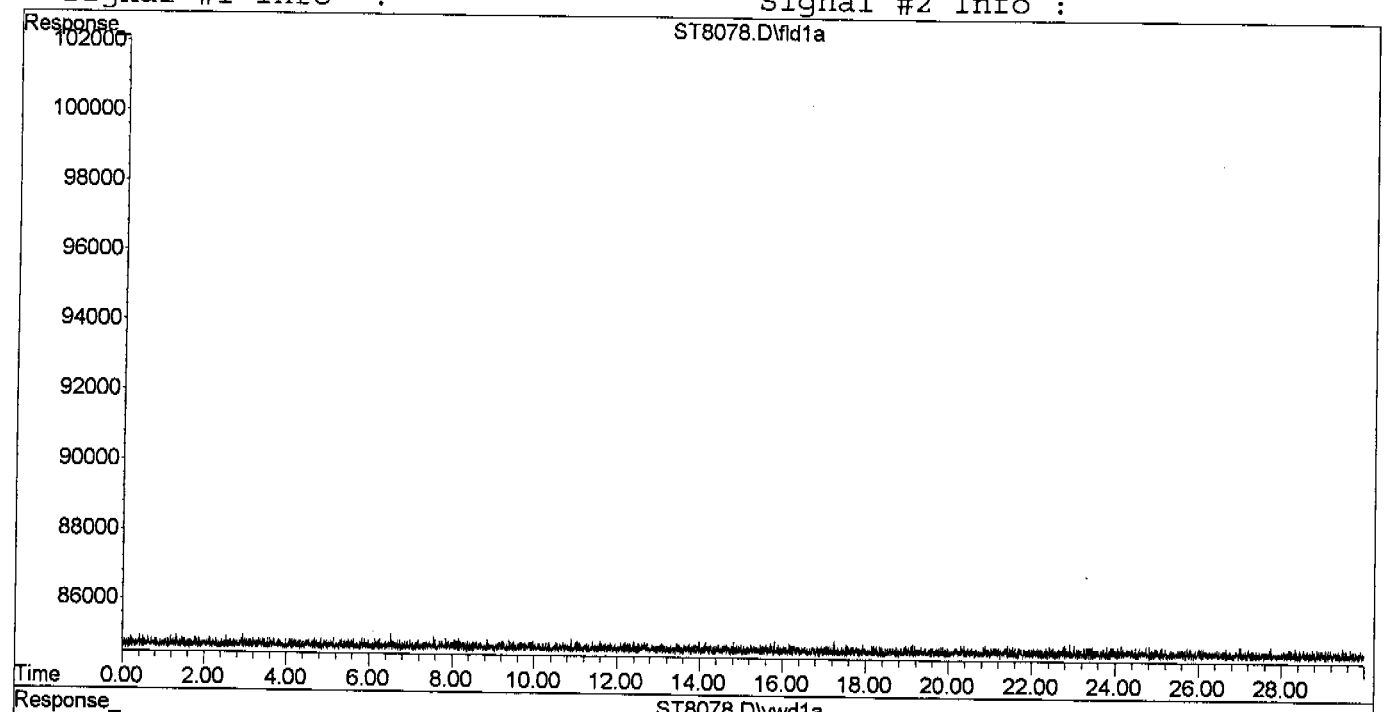
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8078.D NG082004.M Sat Aug 21 19:59:24 2004 GC20PRT Page 1

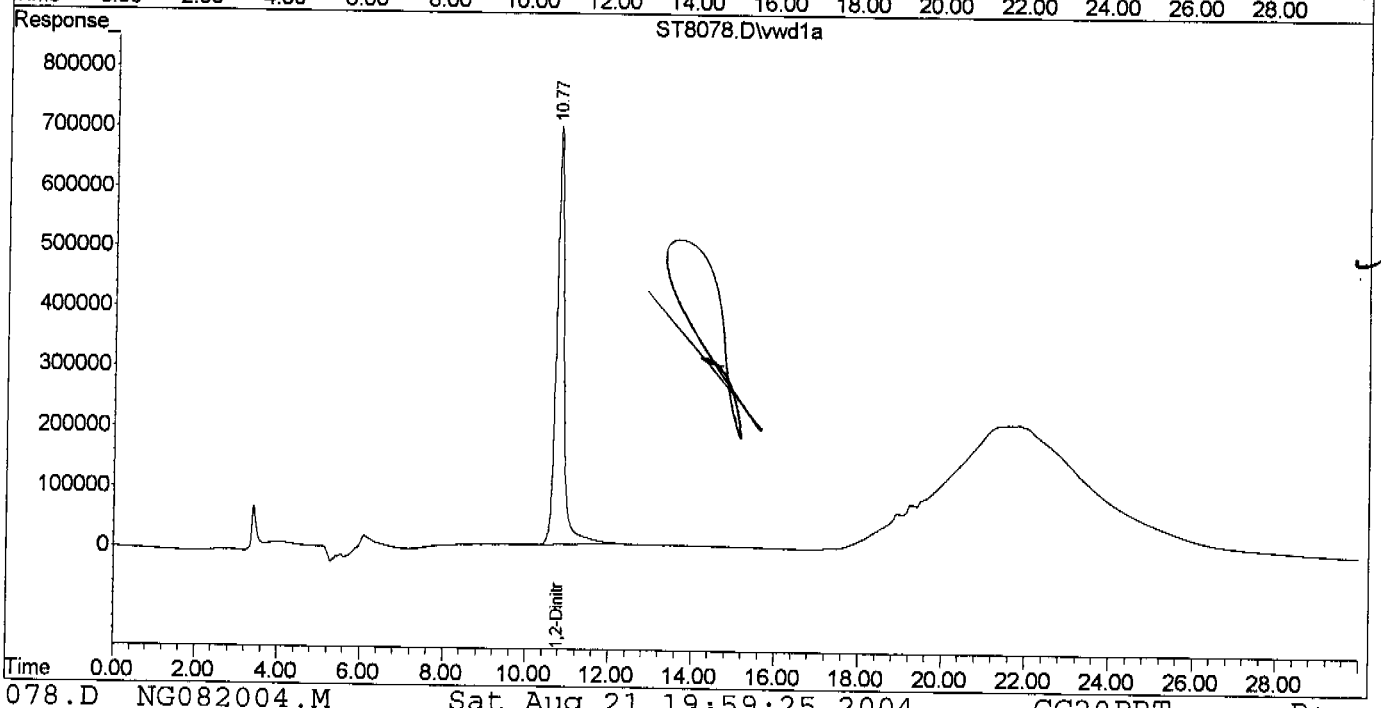
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8078.D\fld1a.ch Vial: 5
Signal #2 : D:\HPLC1\DATA\082004A\ST8078.D\vwd1a.ch
Acq On : 21-Aug-2004, 11:59:08 Operator: caobinz
Sample : ~~n74914-13x~~ N4346-13 , 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,880,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:59 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8079.D\fld1a.ch Vial: 6
Signal #2 : D:\HPLC1\DATA\082004A\ST8079.D\vwd1a.ch
Acq On : 21-Aug-2004, 12:29:49 Operator: caobinz
Sample : ~~n74914-14x~~ M41346-14. 2M 9/1/04 Inst : FLD
Misc : op7582,gst369,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:59 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.76	88668984	4.098 ppb m
Spiked Amount 5.000 Range 43 - 128		Recovery =	81.96%
Target Compounds			

08/22/04

8/22/04

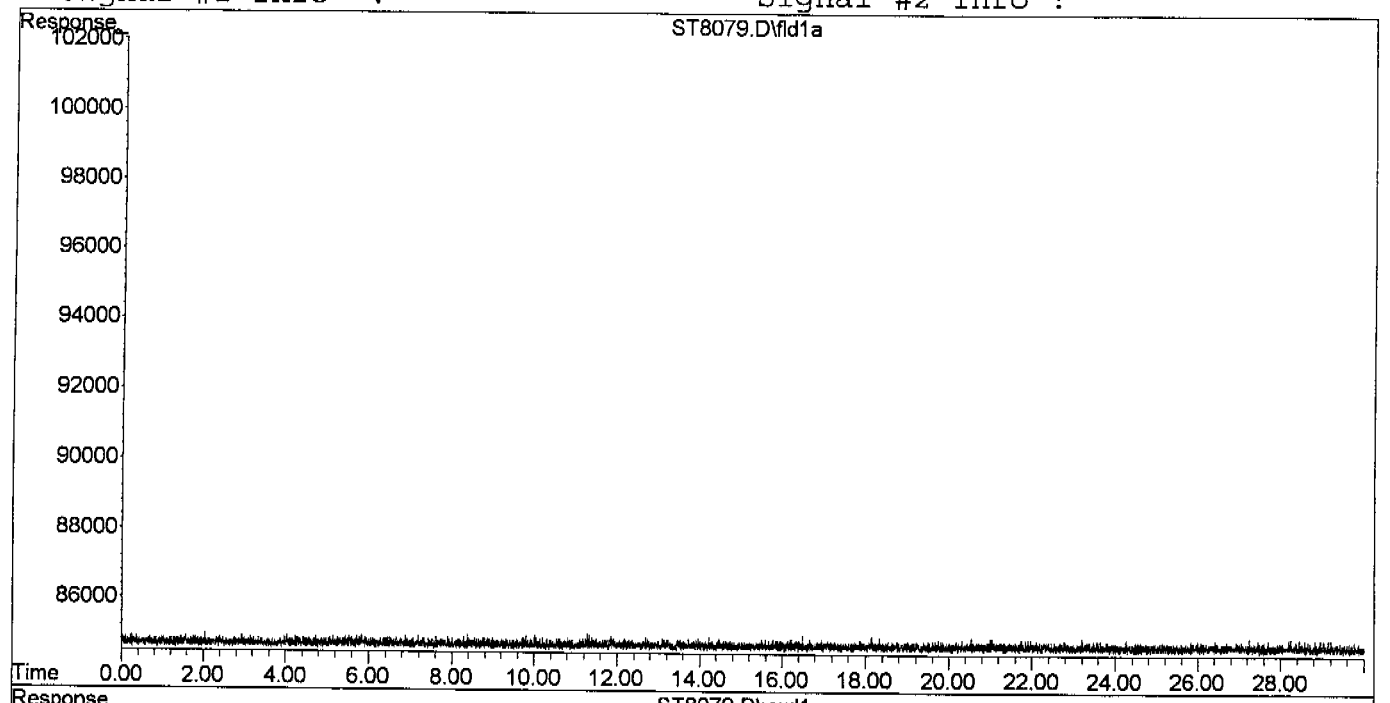
(f)=RT Delta > 1/2 Window (m)=manual int.

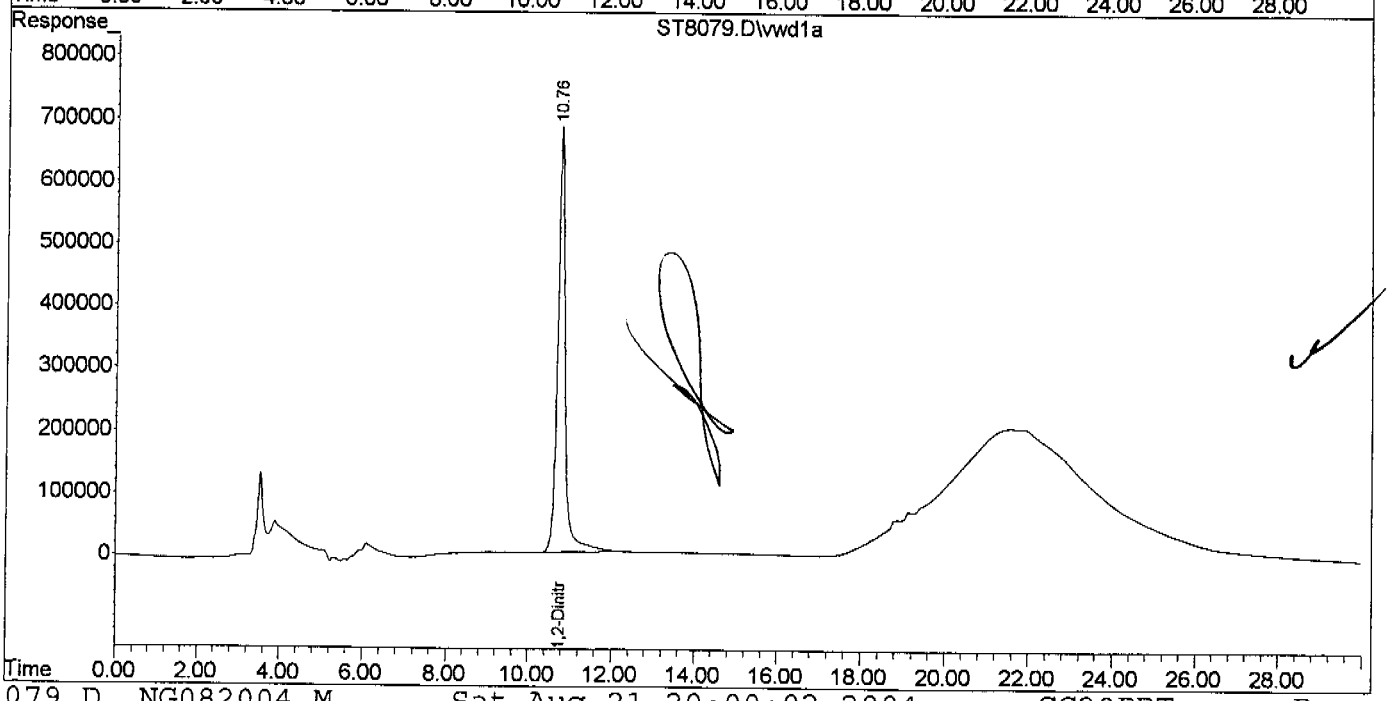
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8079.D\fld1a.ch Vial: 6
Signal #2 : D:\HPLC1\DATA\082004A\ST8079.D\vwd1a.ch
Acq On : 21-Aug-2004, 12:29:49 Operator: caobinz
Sample : ~~n74914-14x~~ M41346-14. 2M 9/1/4p Inst : FLD
Misc : op7582,gst369,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:59 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8080.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8080.D\vwd1a.ch
Acq On : 21-Aug-2004, 13:00:27 Operator: caobinz
Sample : ~~n74914-15x~~ M 9/1/4 / M 41346-15 Inst : FLD
Misc : op7582,gst369,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:00 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.74	82704967	3.822 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	76.44%
Target Compounds			

08/22/04

8/22/04

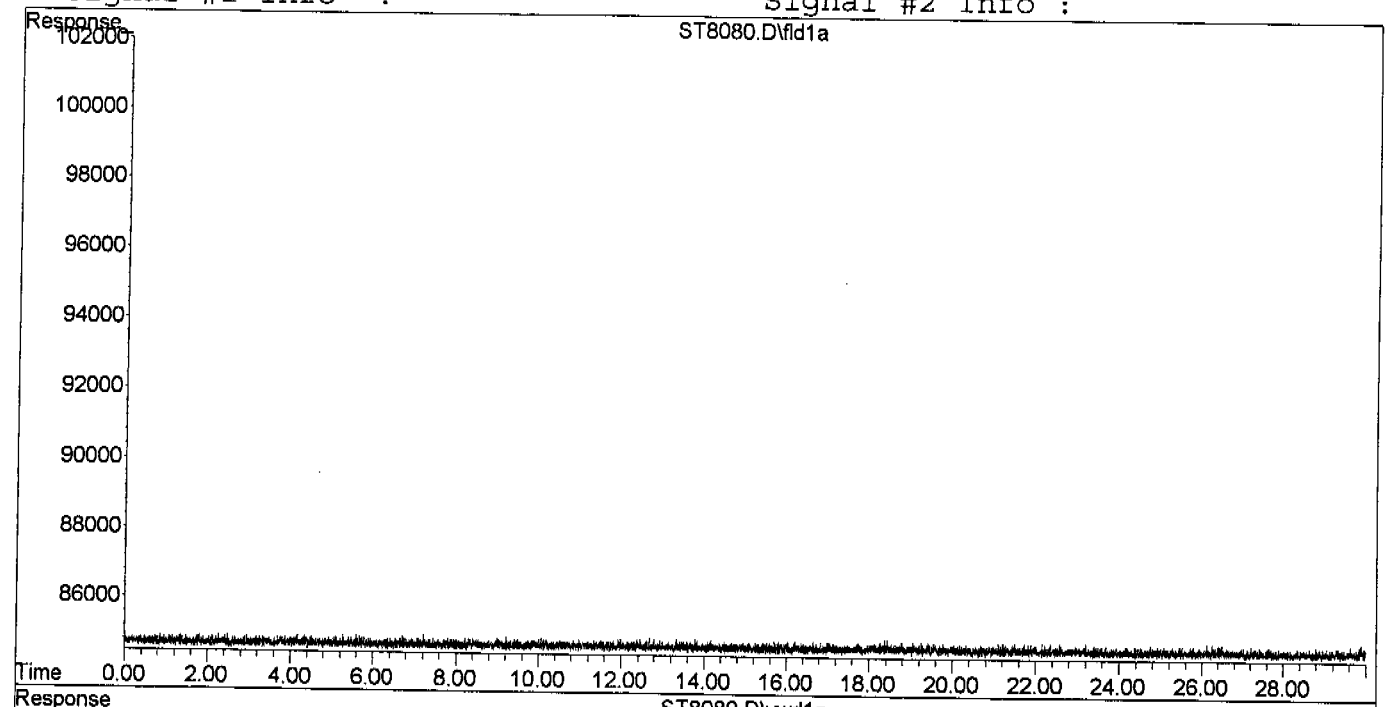
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8080.D NG082004.M Sat Aug 21 20:00:45 2004 GC20PRT Page 1

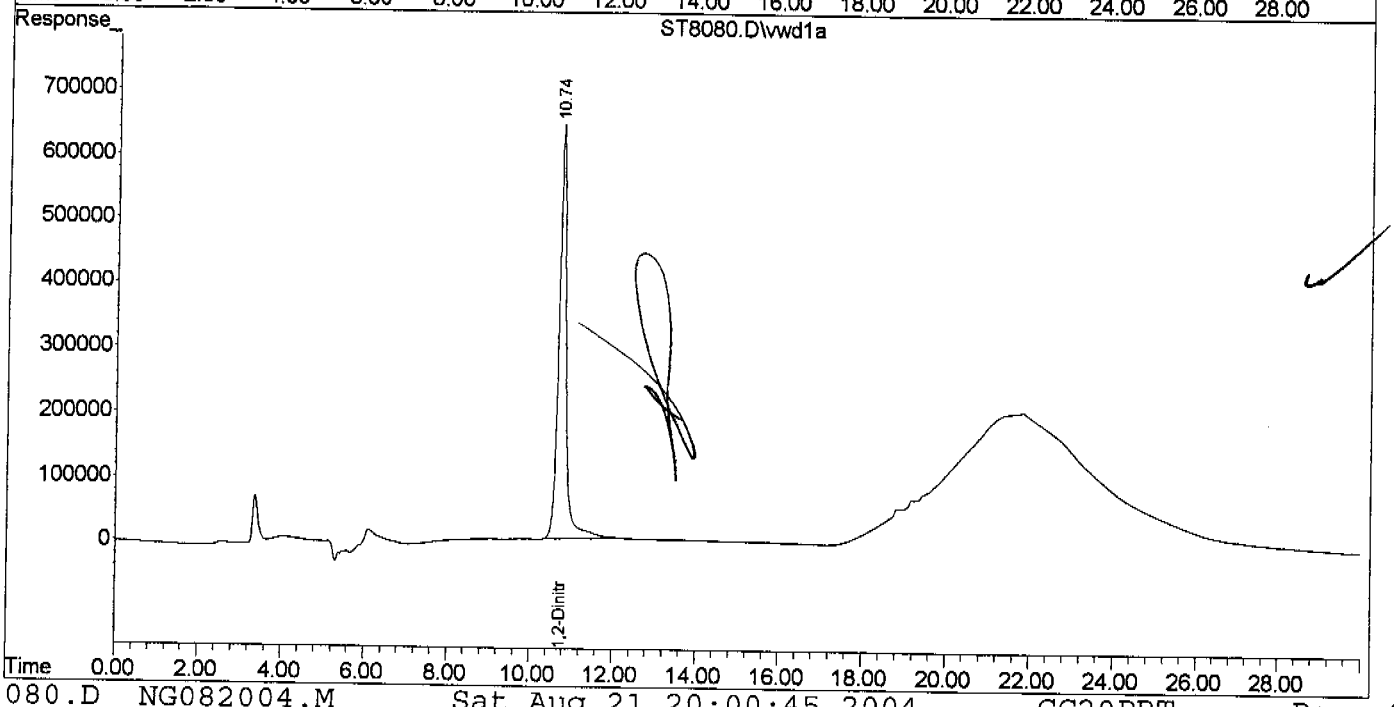
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8080.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8080.D\vwd1a.ch
Acq On : 21-Aug-2004, 13:00:27 Operator: caobinz
Sample : ~~n74914-15x~~ M41346-15, 2ly 9/1/04 Inst : FLD
Misc : op7582,gst369,890,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:00 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Initial Calibration Data

J332

(Test)

Response Factor Report FLD

Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004

Calibration Files

1	=ST8055.D	2	=ST8056.D	3	=ST8057.D
4	=ST8058.D	5	=ST8059.D	6	=ST8060.D

Compound	1	2	3	4	5	6	Avg	%RSD

Signal #2 Calibration Files

1	=ST8055.D	2	=ST8056.D	3	=ST8057.D
4	=ST8058.D	5	=ST8059.D	6	=ST8060.D

Compound	1	2	3	4	5	6	Avg	%RSD
2) s 1,2-Dinitrobenzene	2.002	2.024	2.130	2.458	2.076	2.295	2.164 E7	8.23
3) Nitroglycerine	4.229	4.146	3.694	4.182	4.286	4.396	4.156 E6	5.83

(#) = Out of Range

NG082004.M Sat Aug 21 19:32:09 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8055.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8055.D\vwd1a.ch
Acq On : 20-Aug-2004, 22:34:17 Operator: caobinz
Sample : ic369-10,B 10 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:26 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:24:51 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.71	200174542	200174541.564 ppb m
Spiked Amount 5.000 Range 43 - 128		Recovery	= 4003490831.28%#
Target Compounds			
3) Nitroglycerine	13.71	42293425	6.723 PPB m

8/22/04

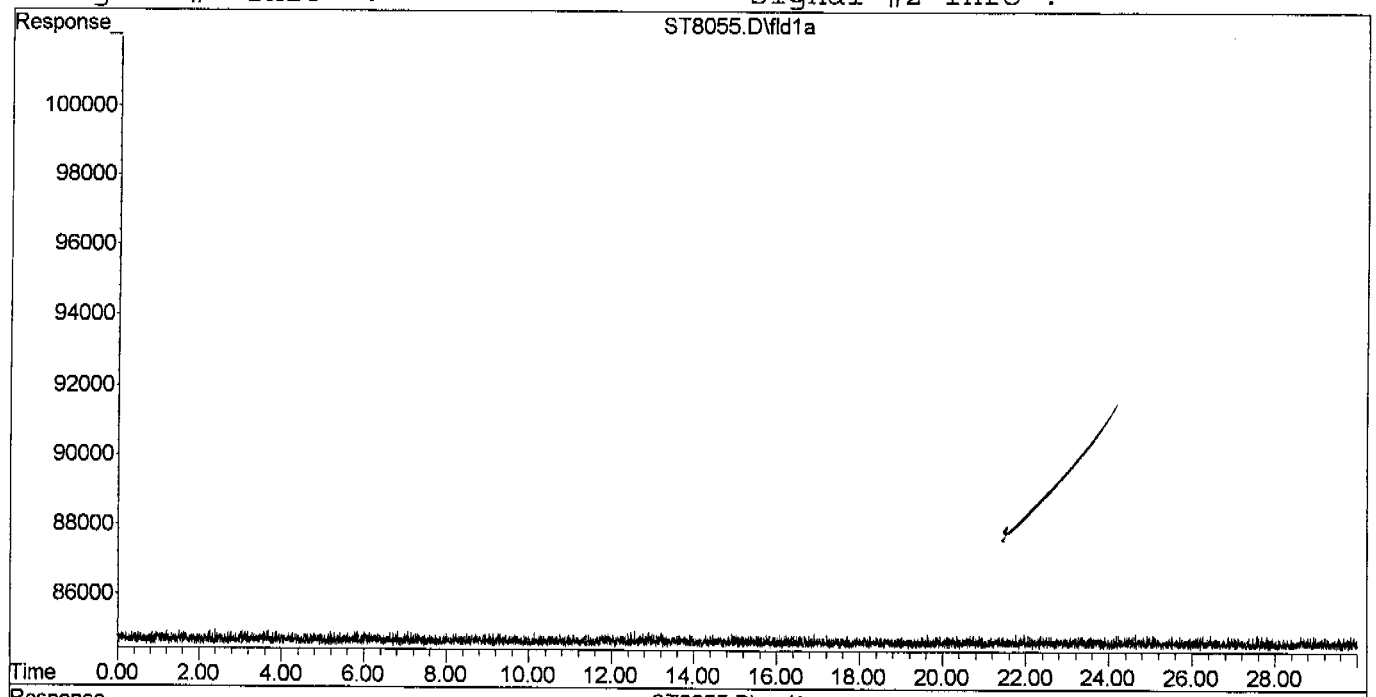
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8055.D NG082004.M Sun Aug 22 18:51:31 2004 GC20PRT Page 1

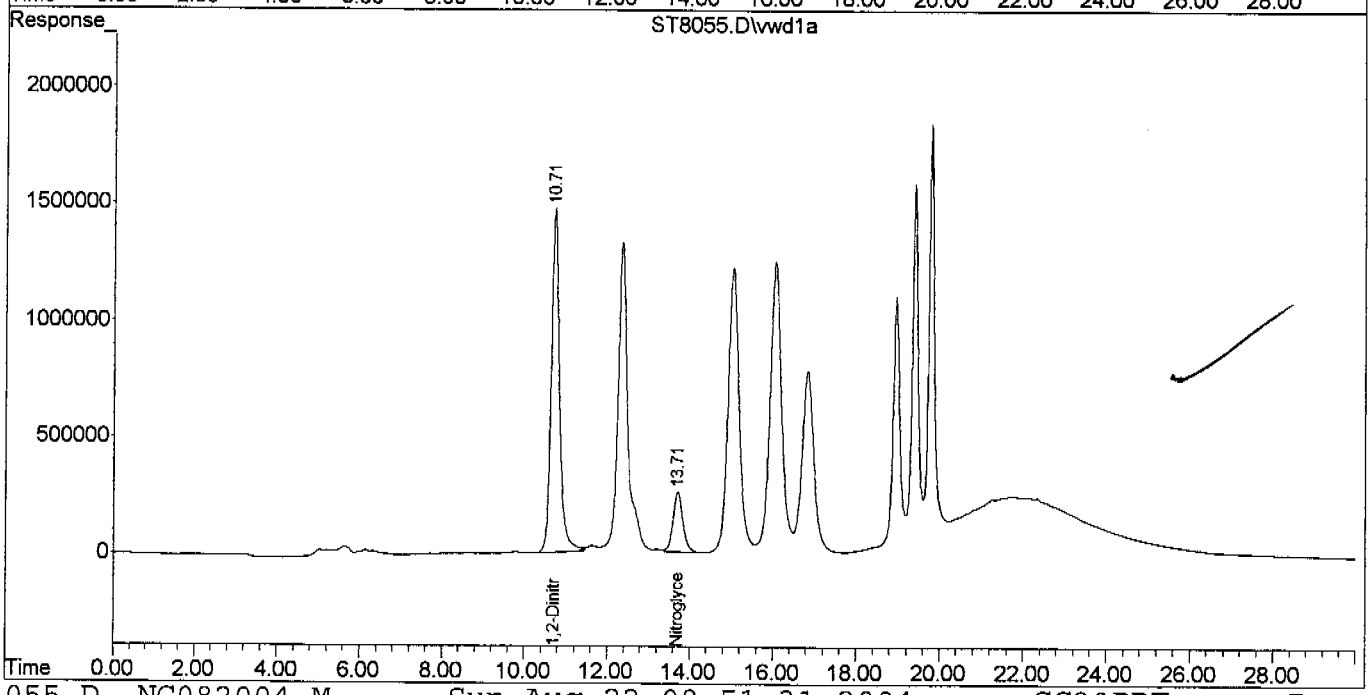
Quantitation Report (QT Reviewed)

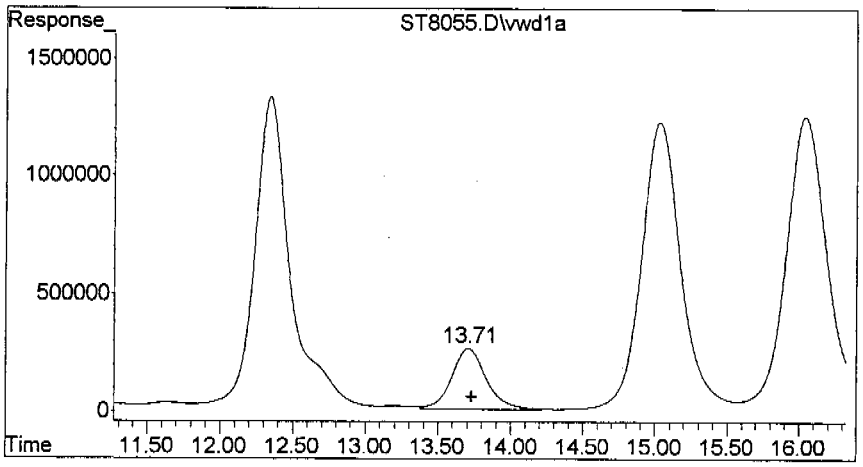
Signal #1 : D:\HPLC1\DATA\082004A\ST8055.D\fld1a.ch Vial: 7
Signal #2 : D:\HPLC1\DATA\082004A\ST8055.D\vwd1a.ch
Acq On : 20-Aug-2004, 22:34:17 Operator: caobinz
Sample : ic369-10,B 10 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:26 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:24:51 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.705 min
Delta R.T.: -0.025 min
Response: 42293425
Conc: 6.72 PPB m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8056.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8056.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:04:55 Operator: caobinz
Sample : icc369-5,B 5 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:27 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:26:37 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
2) s 1,2-Dinitrobenzene	10.74	101190799	30.331 ppb	m
Spiked Amount 5.000 Range 43 - 128 Recovery = 606.62%#				
Target Compounds				
3) Nitroglycerine	13.75	20730549	3.193 PPB	m

08/22/04

8/22/04

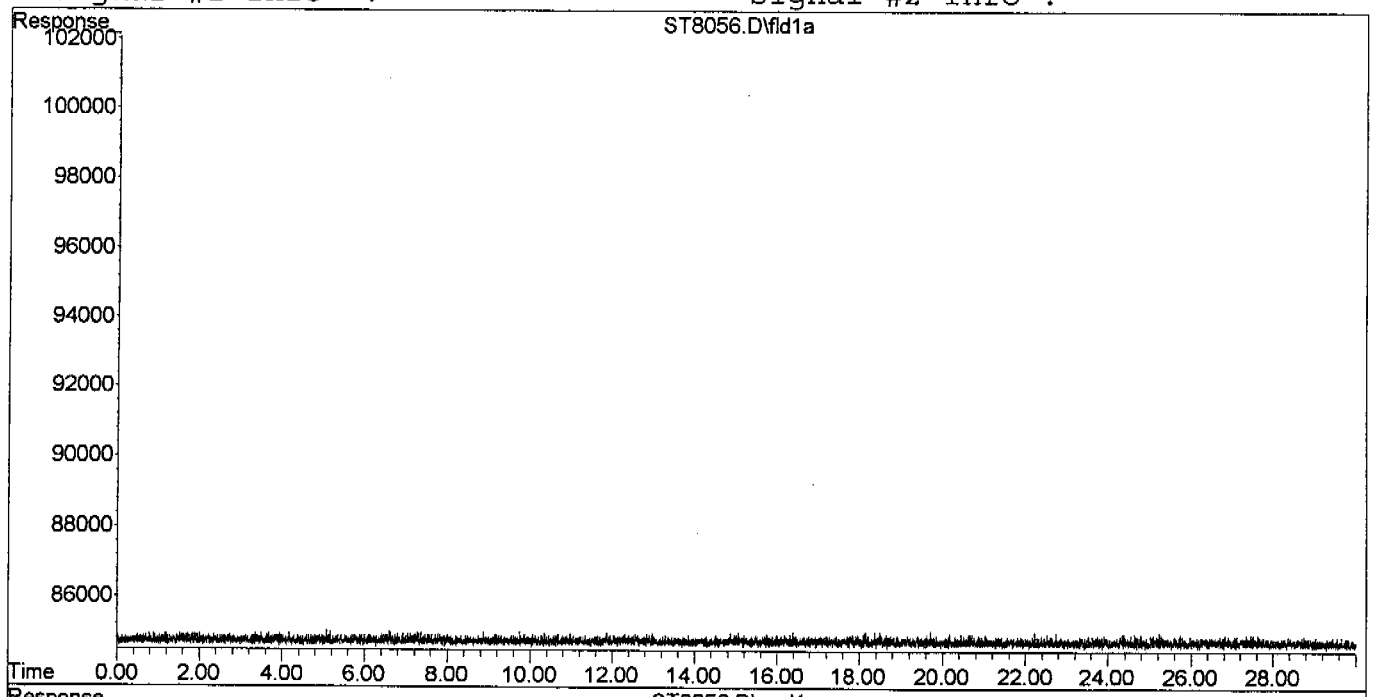
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8056.D NG082004.M Sat Aug 21 19:28:14 2004 GC20PRT Page 1

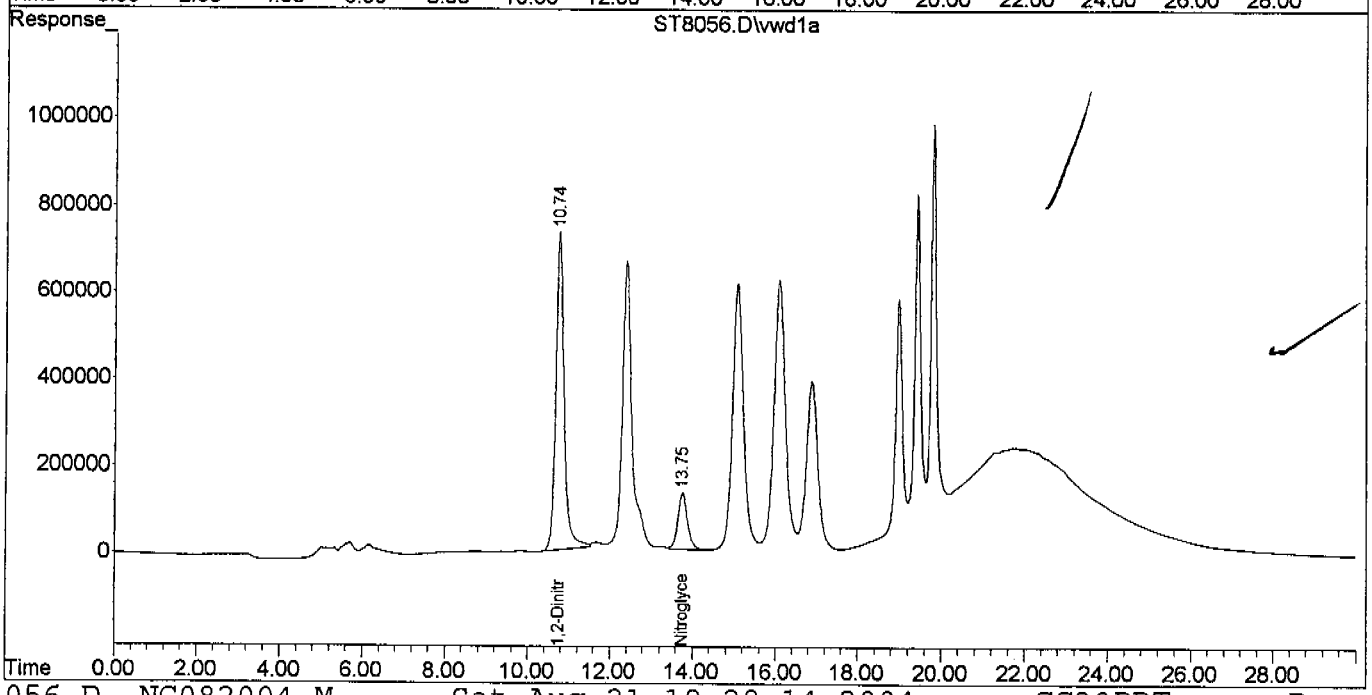
Quantitation Report (QT Reviewed)

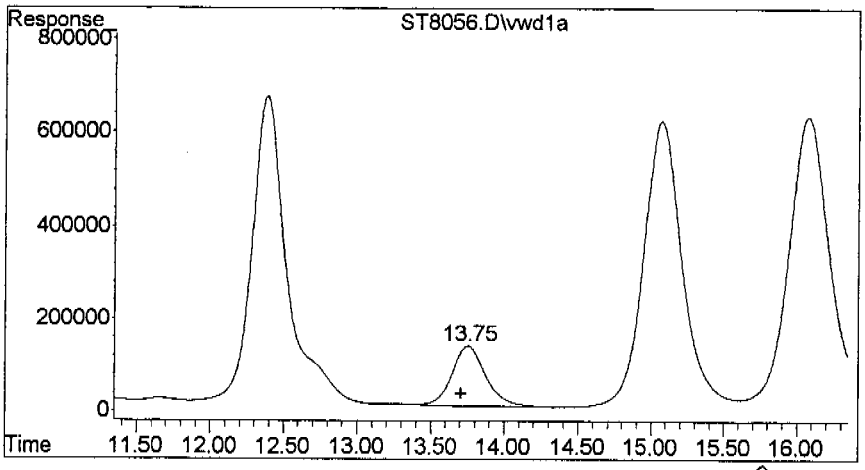
Signal #1 : D:\HPLC1\DATA\082004A\ST8056.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8056.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:04:55 Operator: caobinz
Sample : icc369-5,B 5 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:27 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:26:37 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.754 min
Delta R.T.: 0.048 min
Response: 20730549
Conc: 3.19 PPB m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8057.D\fld1a.ch Vial: 9
Signal #2 : D:\HPLC1\DATA\082004A\ST8057.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:35:35 Operator: caobinz
Sample : ic369-2,B 2 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:28 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:28:04 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.70	42590983	6.348 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 126.96%			
Target Compounds			
3) Nitroglycerine	13.69	7388277	1.089 PPB m

08/22/04

8/22/04

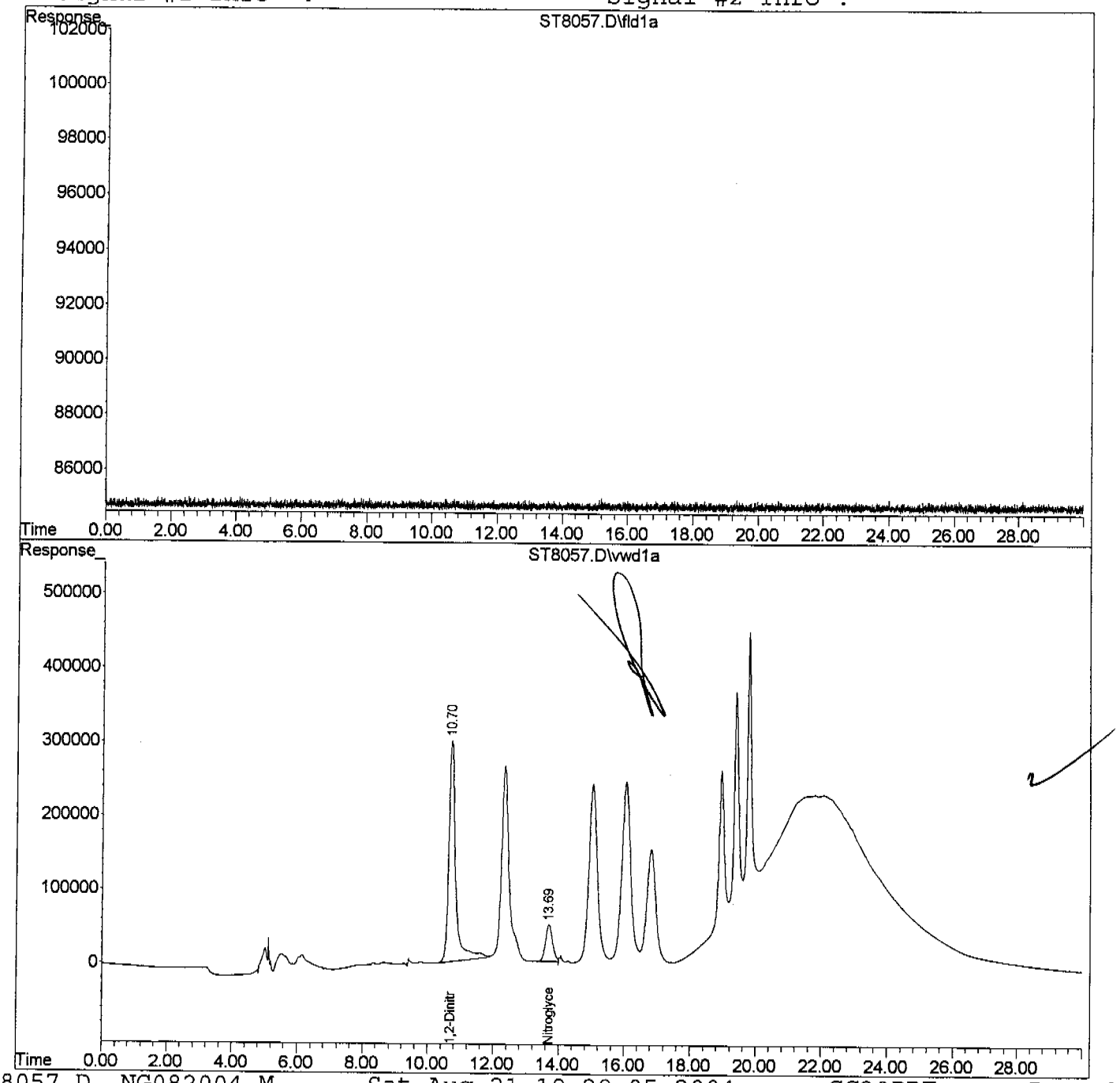
(f)=RT Delta > 1/2 Window (m)=manual int.

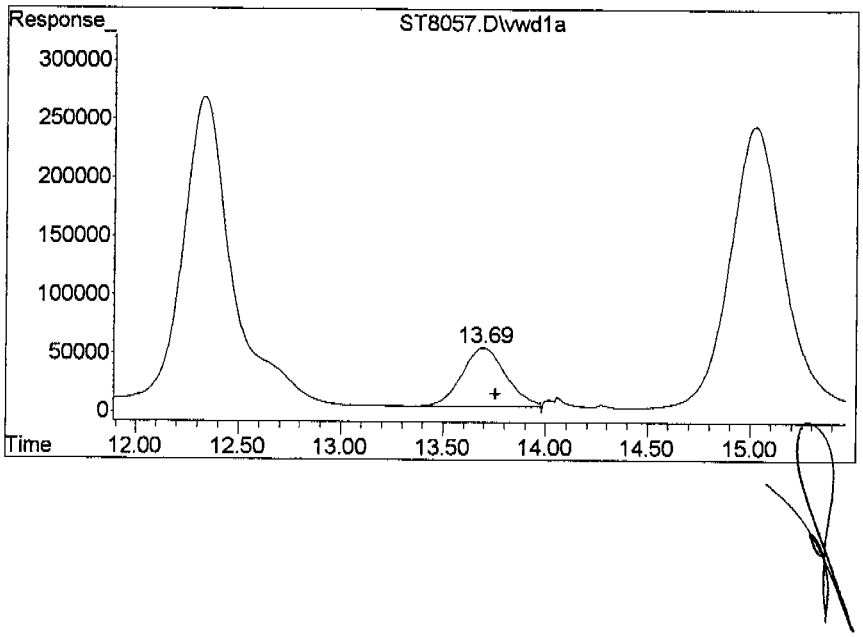
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8057.D\fld1a.ch Vial: 9
Signal #2 : D:\HPLC1\DATA\082004A\ST8057.D\vwd1a.ch
Acq On : 20-Aug-2004, 23:35:35 Operator: caobinz
Sample : ic369-2,B 2 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:28 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:28:04 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





#3 Nitroglycerine

R.T.: 13.693 min
Delta R.T.: -0.061 min
Response: 7388277
Conc: 1.09 PPB m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8058.D\fld1a.ch Vial: 10
Signal #2 : D:\HPLC1\DATA\082004A\ST8058.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:06:13 Operator: caobinz
Sample : ic369-1,B 1 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:29 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:28:59 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.81	24578084	2.396 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 47.92%			
Target Compounds			
3) Nitroglycerine	13.82	4182413	0.608 PPB m

08/22/04

8/22/04

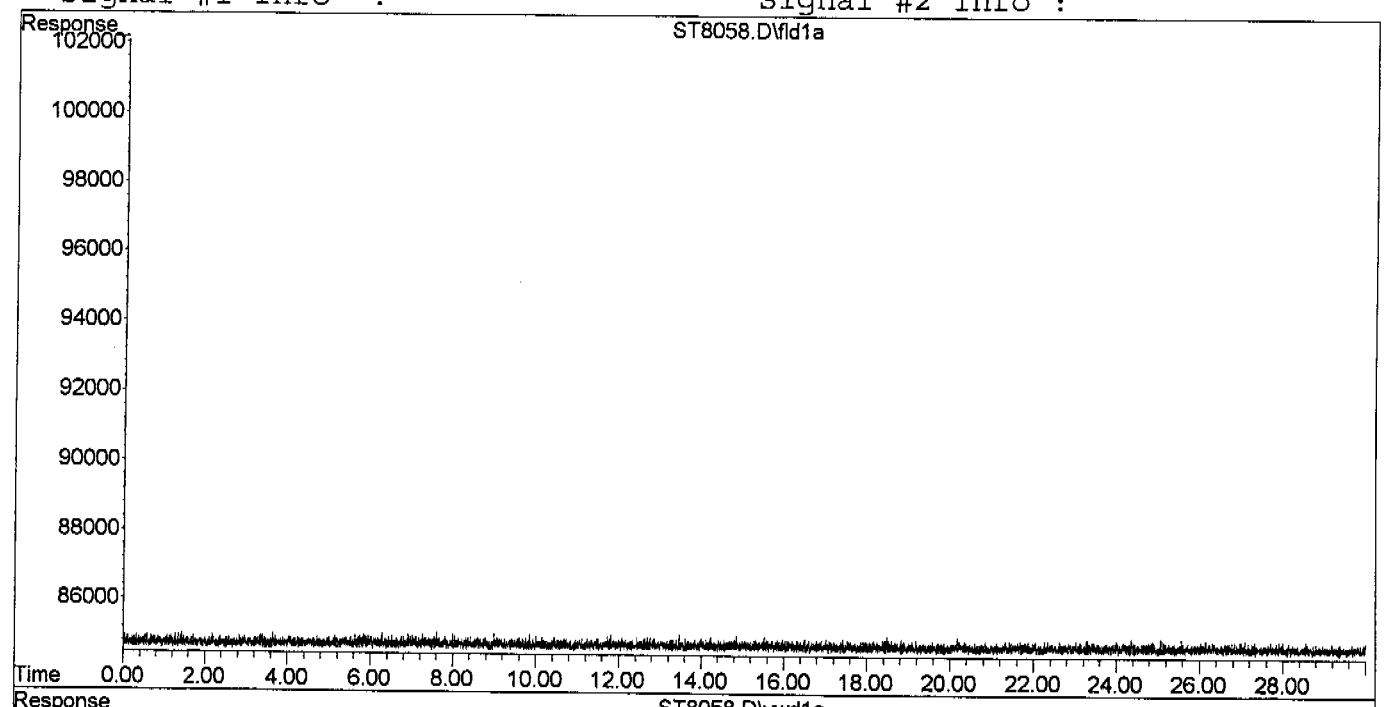
(f)=RT Delta > 1/2 Window (m)=manual int.

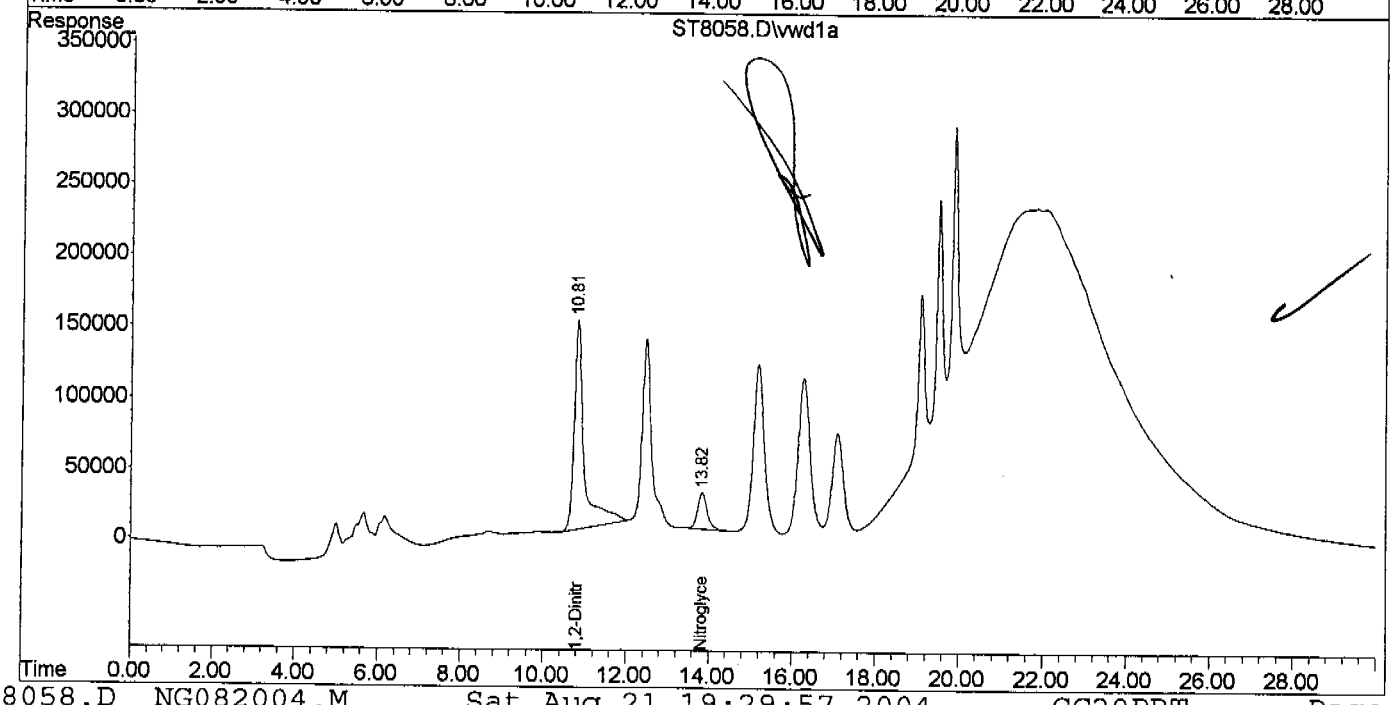
Quantitation Report (QT Reviewed)

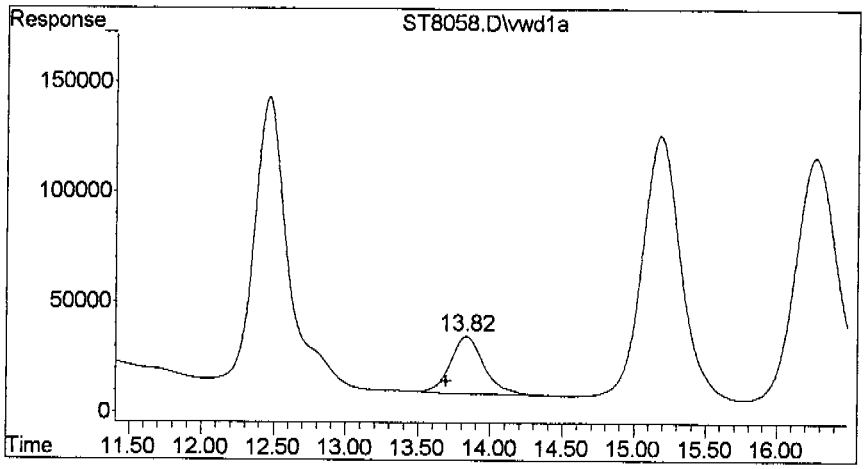
Signal #1 : D:\HPLC1\DATA\082004A\ST8058.D\fld1a.ch Vial: 10
Signal #2 : D:\HPLC1\DATA\082004A\ST8058.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:06:13 Operator: caobinz
Sample : ic369-1,B 1 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:29 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:28:59 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.824 min
Delta R.T.: 0.131 min
Response: 4182413
Conc: 0.61 PPB m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8059.D\fld1a.ch Vial: 11
Signal #2 : D:\HPLC1\DATA\082004A\ST8059.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:36:53 Operator: caobinz
Sample : ic369-0.25,B 0.25 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:30 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:29:50 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.74	5189620	0.362 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 7.24%#			
Target Compounds			
3) Nitroglycerine	13.71	1071428	0.154 PPB m

08/22/04

8/22/04

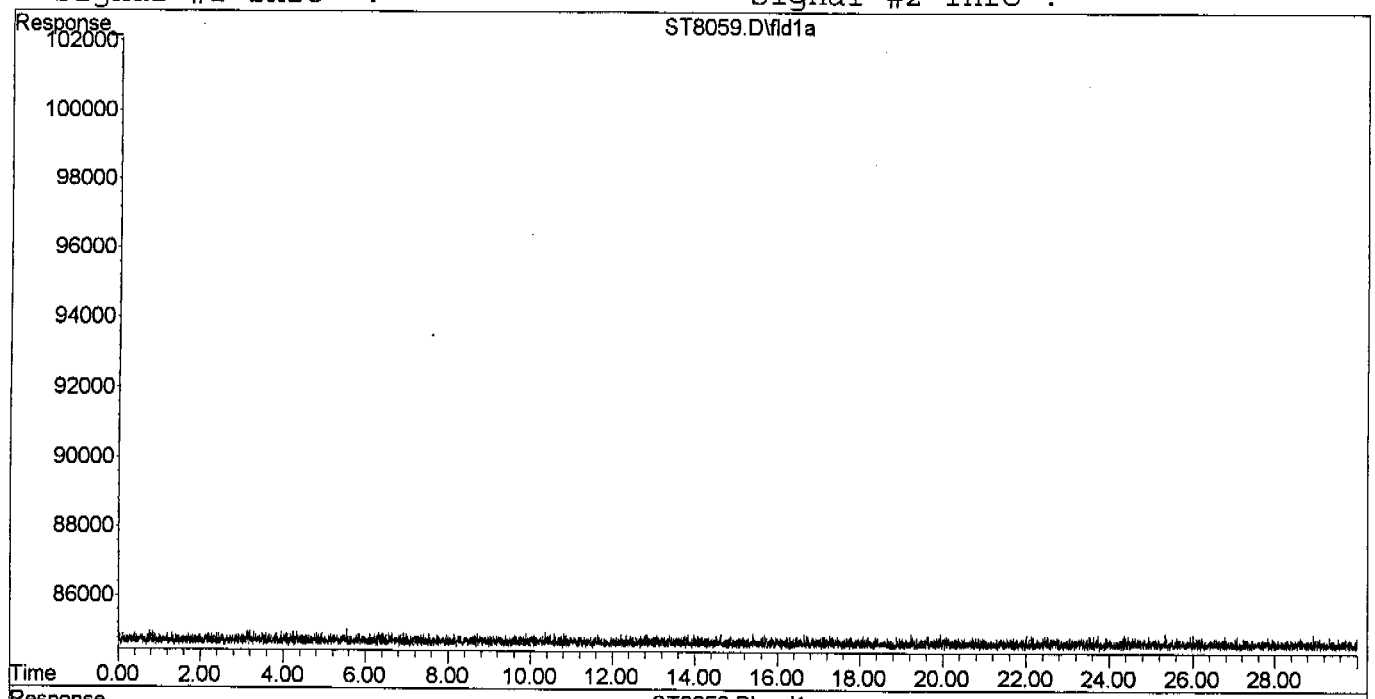
(f)=RT Delta > 1/2 Window (m)=manual int.

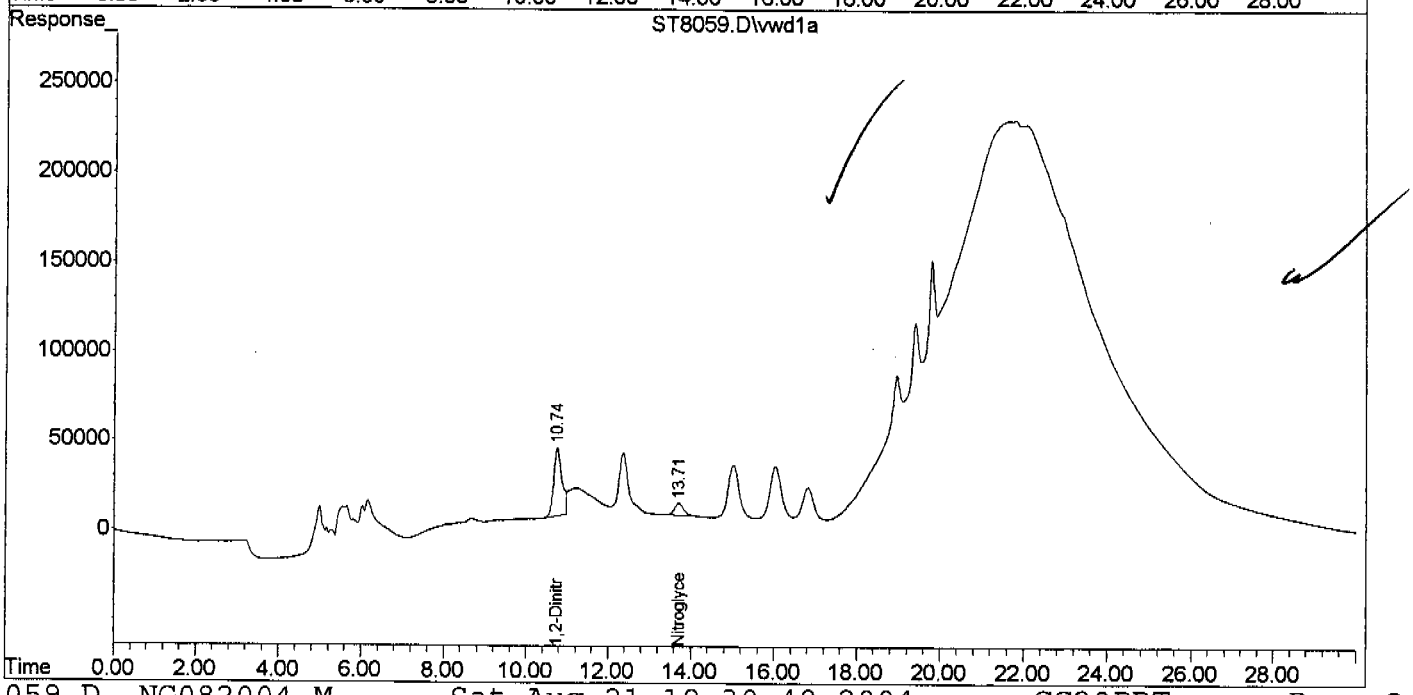
Quantitation Report (QT Reviewed)

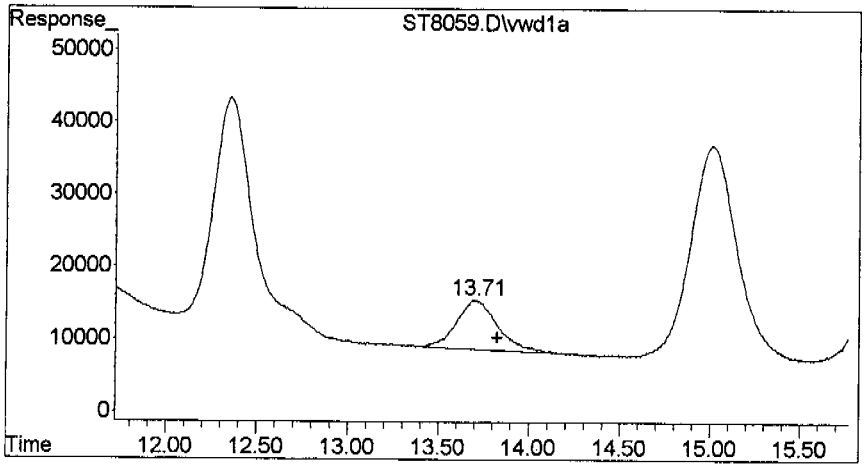
Signal #1 : D:\HPLC1\DATA\082004A\ST8059.D\fld1a.ch Vial: 11
Signal #2 : D:\HPLC1\DATA\082004A\ST8059.D\vwd1a.ch
Acq On : 21-Aug-2004, 00:36:53 Operator: caobinz
Sample : ic369-0.25,B 0.25 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:30 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:29:50 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.709 min
Delta R.T.: -0.115 min
Response: 1071428
Conc: 0.15 PPB m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8060.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8060.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:07:31 Operator: caobinz
Sample : ic369-0.05,B 0.05 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:31 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:30:42 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.78	1147486	0.064 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 1.28%#			
Target Compounds			
3) Nitroglycerine	13.73	219785	0.033 PPB m

08/22/04

S

8/22/04

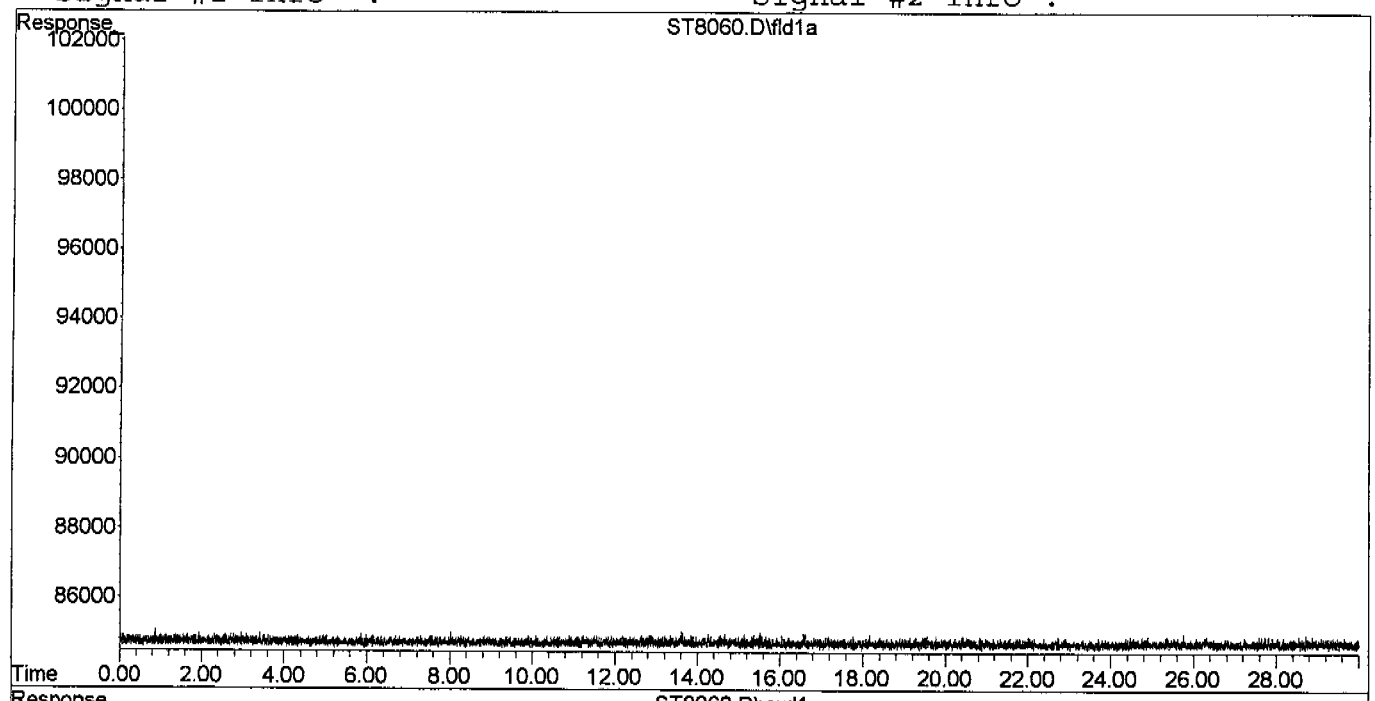
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8060.D NG082004.M Sat Aug 21 2004 01:49 2004 GC20PRT Page 1

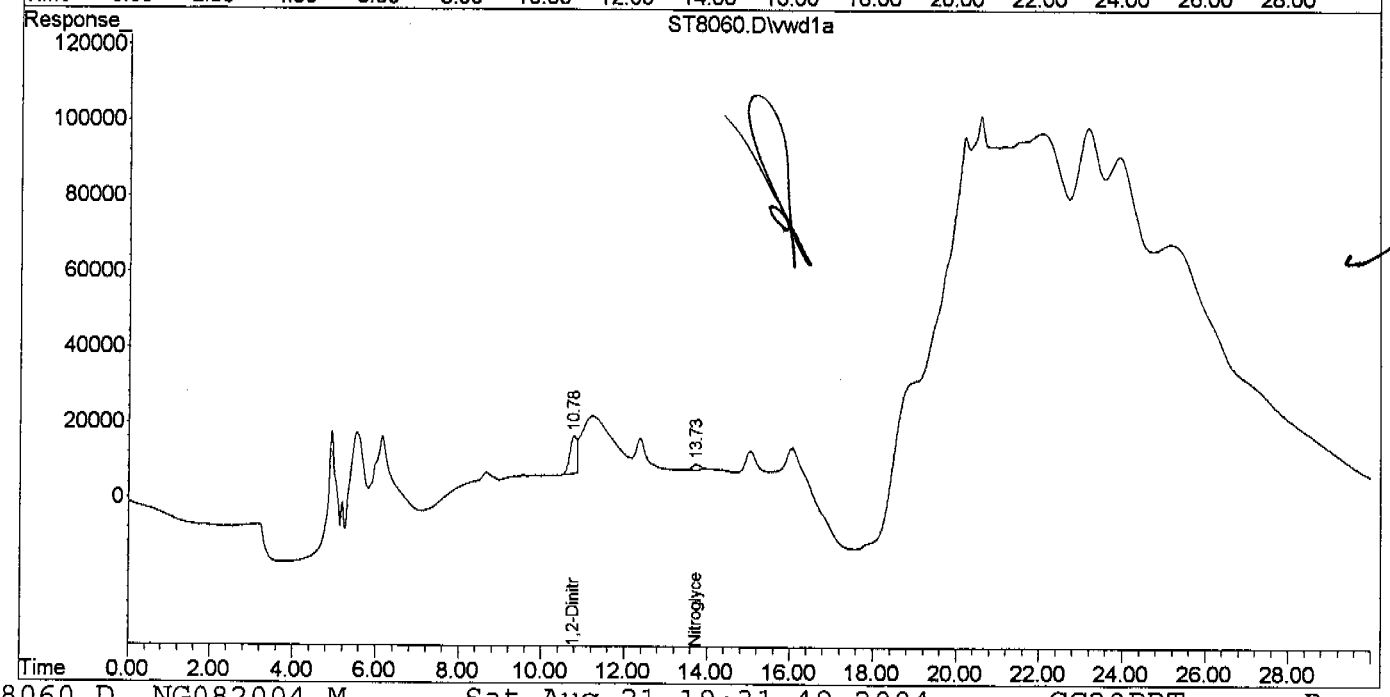
Quantitation Report (QT Reviewed)

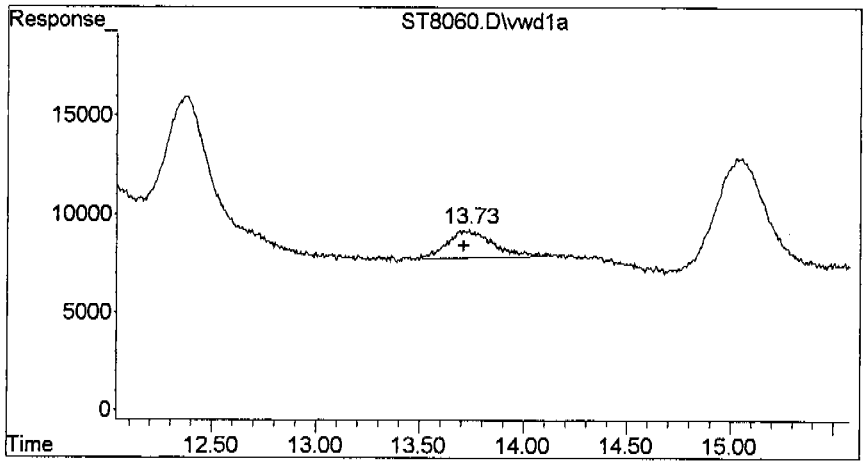
Signal #1 : D:\HPLC1\DATA\082004A\ST8060.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8060.D\vwd1a.ch
Acq On : 21-Aug-2004, 01:07:31 Operator: caobinz
Sample : ic369-0.05,B 0.05 Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:31 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:30:42 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.734 min
Delta R.T.: 0.025 min
Response: 219785
Conc: 0.03 PPB m

Calibration Verification Data

8332

(Test)

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: caobinz
Sample : cc369-5,B 5 ug/ml Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 115%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2					
2 s 1,2-Dinitrobenzene	21.640	20.136 E6	7.0	99	-0.02
3 Nitroglycerine	4.156	4.125 E6	0.7	99	0.03

08/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: caobinz
Sample : cc369-5,B 5 ug/ml Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 115%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2					

8/22/04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST8056.D NG082004.M Sat Aug 21 19:53:46 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: caobinz
Sample : cc369-5,B 5 ug/ml Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:53 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.76	100678723	4.653 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 93.06%			
Target Compounds			
3) Nitroglycerine	13.77	20624188	4.963 PPB m

8/24/04

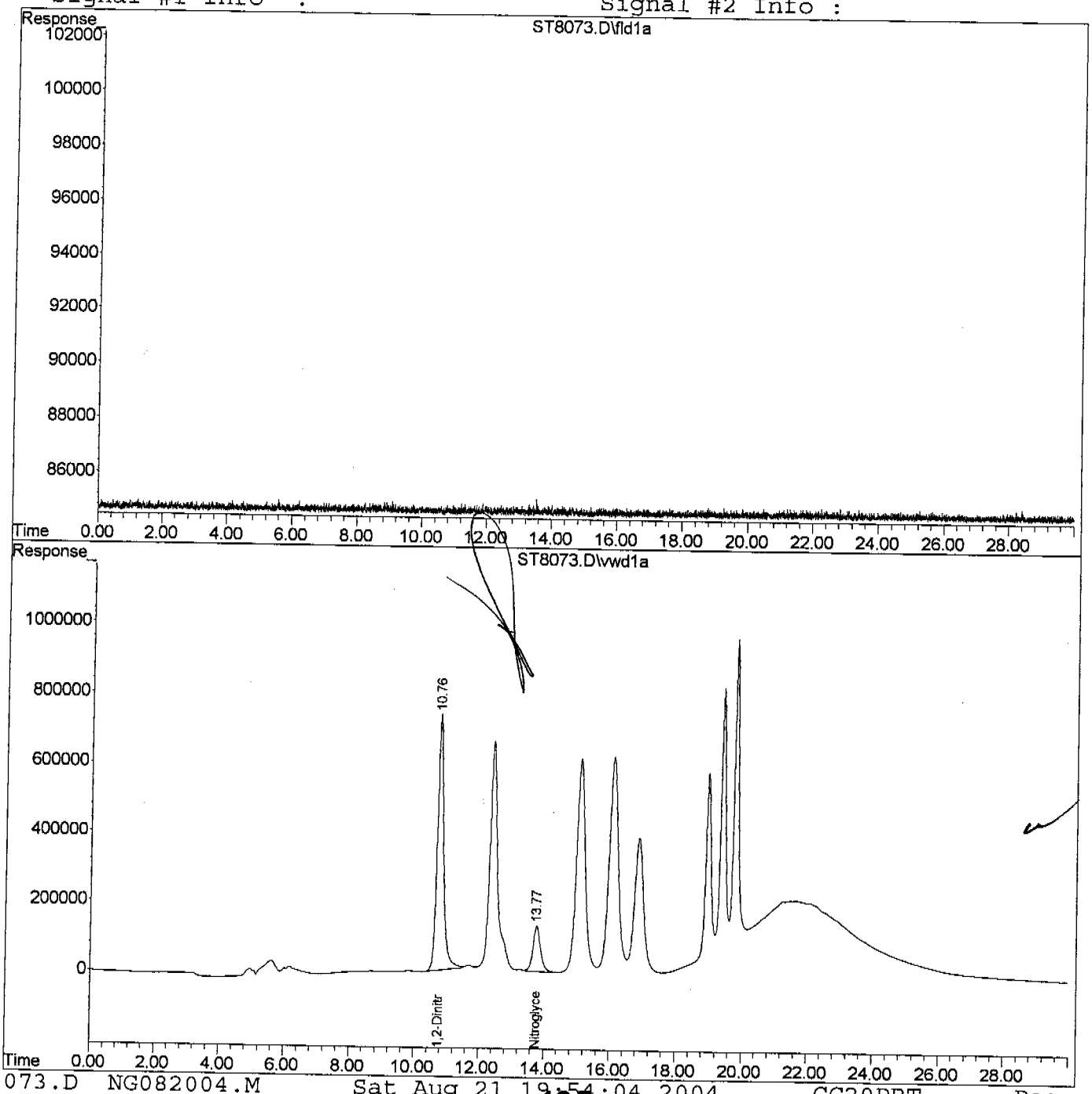
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8073.D NG082004.M Sat Aug 21 19:54:04 2004 GC20PRT Page 1

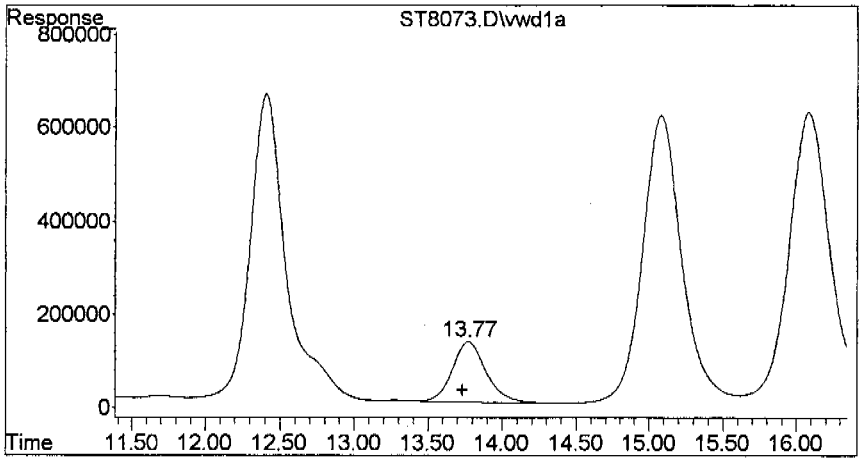
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8073.D\fld1a.ch Vial: 8
Signal #2 : D:\HPLC1\DATA\082004A\ST8073.D\vwd1a.ch
Acq On : 21-Aug-2004, 07:46:09 Operator: caobinz
Sample : cc369-5,B 5 ug/ml Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 19:53 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





#3 Nitroglycerine

R.T.: 13.768 min
Delta R.T.: 0.035 min
Response: 20624188
Conc: 4.96 PPB m

Evaluate Continuing Calibration Report

```
Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch      Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On    : 21-Aug-2004, 16:34:11                        Operator: caobinz
Sample    : cc369-2,B 2                                  Inst    : FLD
Misc      : op7582,gst369,780,,,10,                      Multiplr: 1.00
IntFile Signal #1: events.e     IntFile Signal #2: events2.e

Method        : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title         : HPLC/NG/ultracarb
Last Update   : Sat Aug 21 19:31:27 2004
Response via  : Single Level Calibration

Min. RRF      :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev  :  25%     Max. Rel. Area : 115%
```

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2					
s 1,2-Dinitrobenzene	21.640	21.367 E6	1.3	100	-0.09
Nitroglycerine	4.156	3.991 E6	4.0	108	-0.12

08/22/04

Evaluate Continuing Calibration Report - Not Founds

```
Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch      Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On    : 21-Aug-2004, 16:34:11                        Operator: caobinz
Sample    : cc369-2,B 2                                  Inst    : FLD
Misc      : op7582,gst369,780,,,10,                      Multiplr: 1.00
IntFile Signal #1: events.e     IntFile Signal #2: events2.e

Method        : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title         : HPLC/NG/ultracarb
Last Update   : Sat Aug 21 19:31:27 2004
Response via  : Single Level Calibration

Min. RRF      :   0.000  Min. Rel. Area :  85%  Max. R.T. Dev  0.50min
Max. RRF Dev  :  25%     Max. Rel. Area : 115%
```

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2					

8/22/04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST8057.D NG082004.M Sat Aug 21 20:02:20 2004 GC20PRT

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:34:11 Operator: caobinz
Sample : cc369-2,B 2 Inst : FLD
Misc : op7582,gst369,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:02 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
2) s 1,2-Dinitrobenzene	10.69	42733495	1.975 ppb	m
Spiked Amount 5.000 Range 43 - 128		Recovery =	39.50%#	
Target Compounds				
3) Nitroglycerine	13.62	7982489	1.921 PPB	m

8/22/04

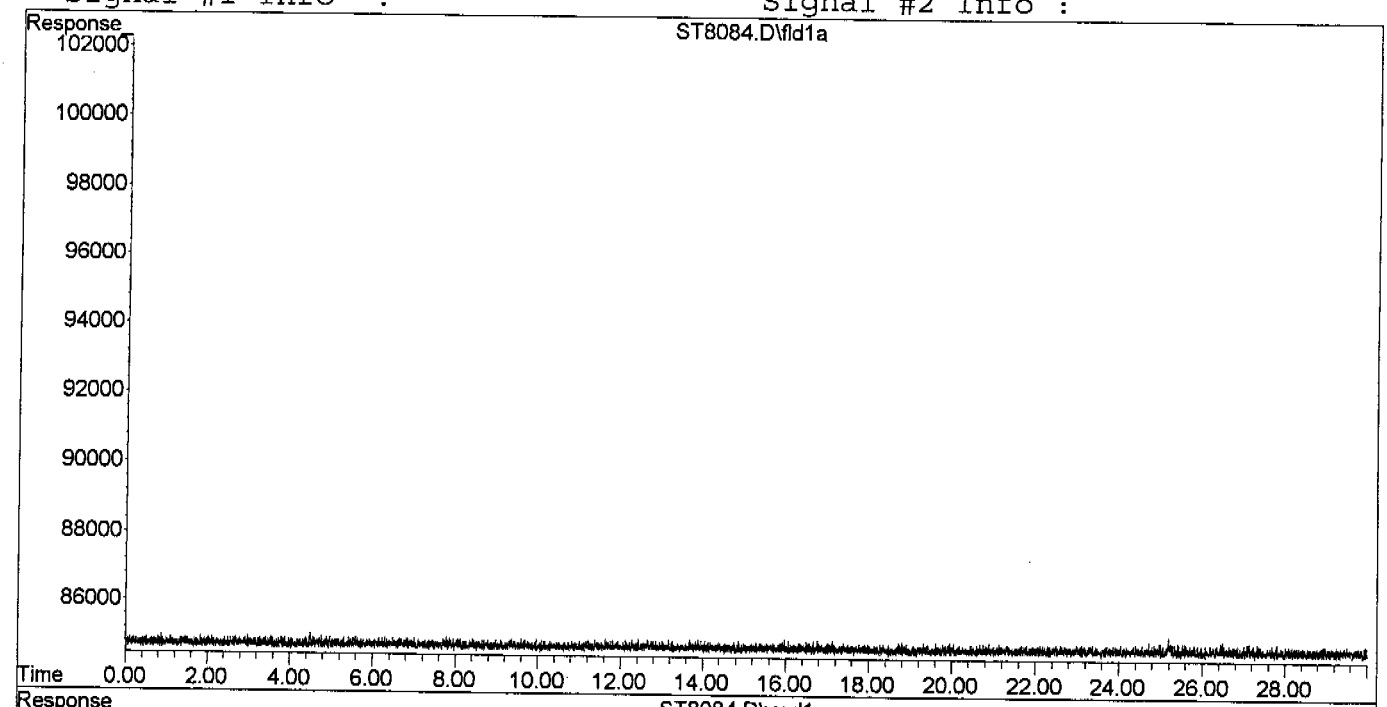
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8084.D NG082004.M Sat Aug 21 20:02:35 2004 GC20PRT Page 1

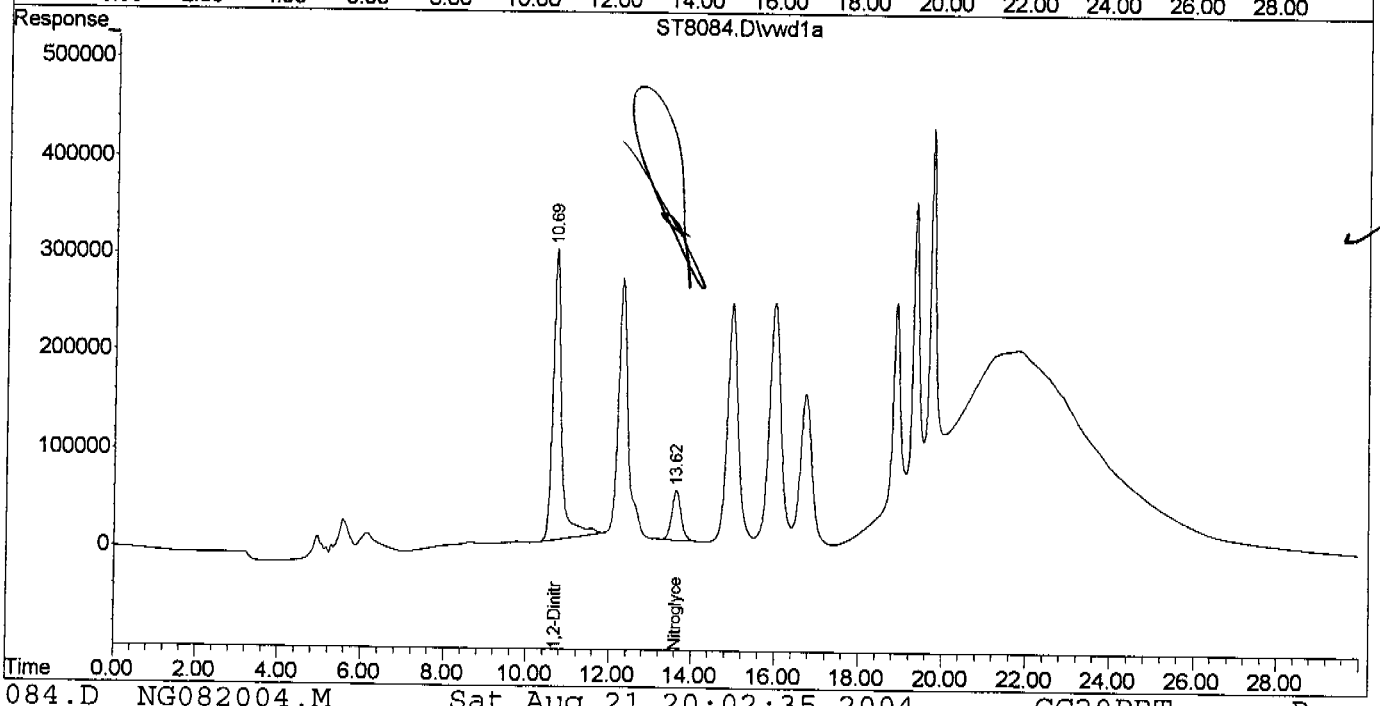
Quantitation Report (QT Reviewed)

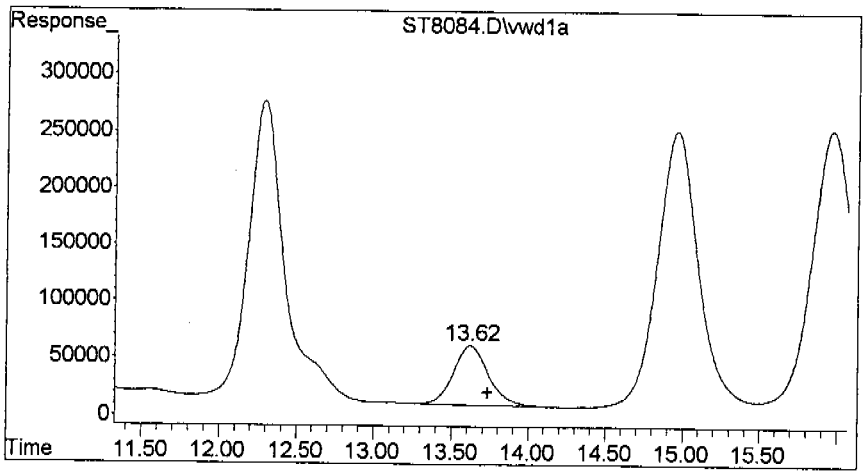
Signal #1 : D:\HPLC1\DATA\082004A\ST8084.D\fld1a.ch Vial: 21
Signal #2 : D:\HPLC1\DATA\082004A\ST8084.D\vwd1a.ch
Acq On : 21-Aug-2004, 16:34:11 Operator: caobinz
Sample : cc369-2,B 2 Inst : FLD
Misc : op7582,gst369,780,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:02 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.617 min
Delta R.T.: -0.117 min
Response: 7982489
Conc: 1.92 PPB m

Evaluate Continuing Calibration Report

Signal #1 : D:\HPLC1\DATA\082004A\ST8090.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8090.D\vwd1a.ch
Acq On : 21-Aug-2004, 19:38:12 Operator: caobinz
Sample : cc369-5,B 5 Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 115%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2					
2 s 1,2-Dinitrobenzene	21.640	20.239 E6	6.5	100	-0.01
3 Nitroglycerine	4.156	4.067 E6	2.1	98	0.00

08/22/04

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : D:\HPLC1\DATA\082004A\ST8090.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8090.D\vwd1a.ch
Acq On : 21-Aug-2004, 19:38:12 Operator: caobinz
Sample : cc369-5,B 5 Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 85% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 115%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
Signal #2					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ST8056.D NG082004.M Sat Aug 21 20:19:08 2004 GC20PRT

8/22/04

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8090.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8090.D\vwd1a.ch
Acq On : 21-Aug-2004, 19:38:12 Operator: caobinz
Sample : cc369-5,B 5 Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:18 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.76	101196961	4.676 ppb m
Spiked Amount 5.000 Range 43 - 128		Recovery =	93.52%
Target Compounds			
3) Nitroglycerine	13.74	20335076	4.893 PPB m

8/22/04

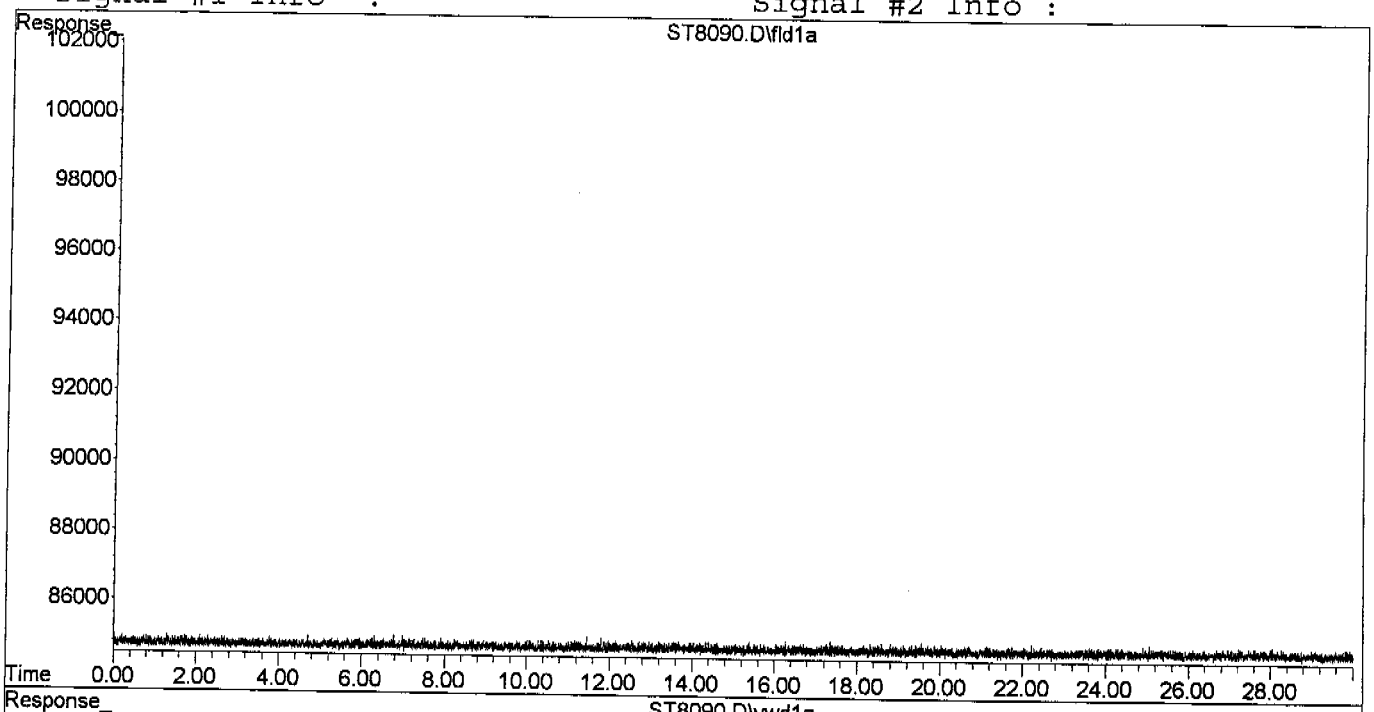
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8090.D NG082004.M Sat Aug 21 20:19:23 2004 GC20PRT Page 1

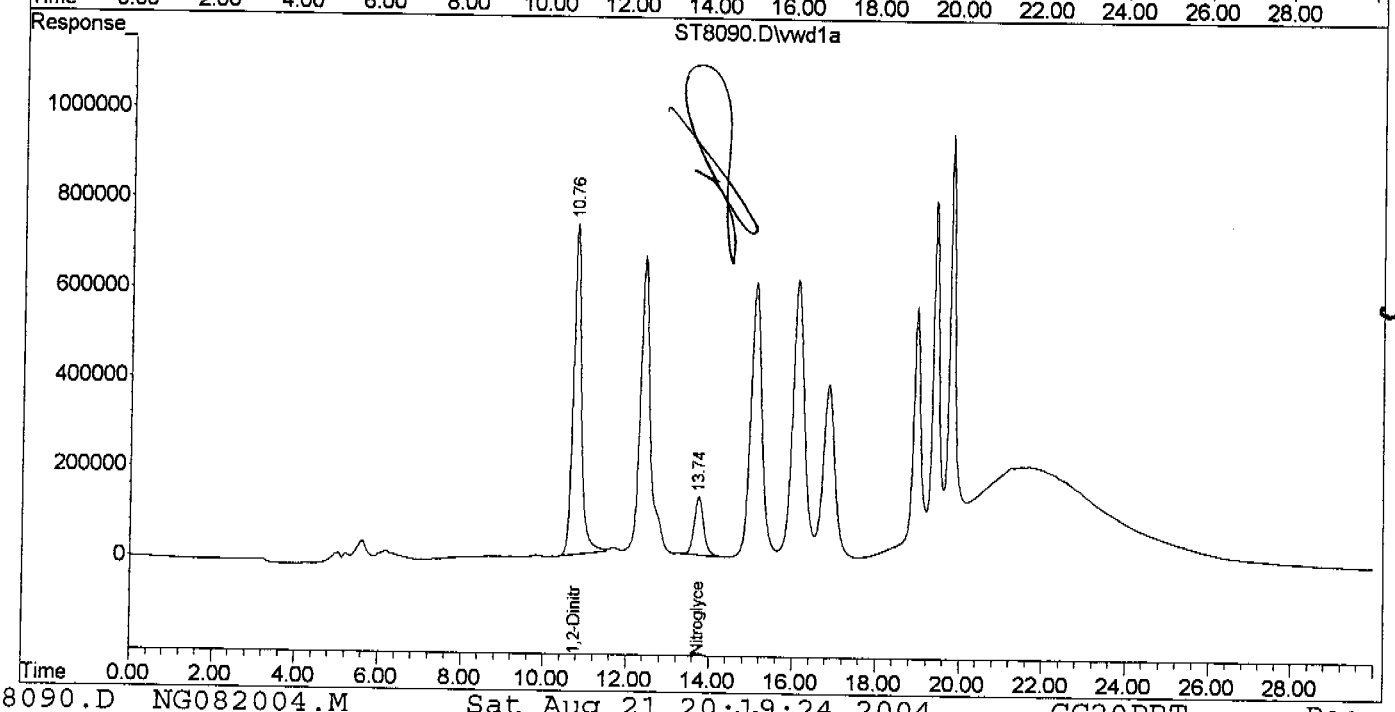
Quantitation Report (QT Reviewed)

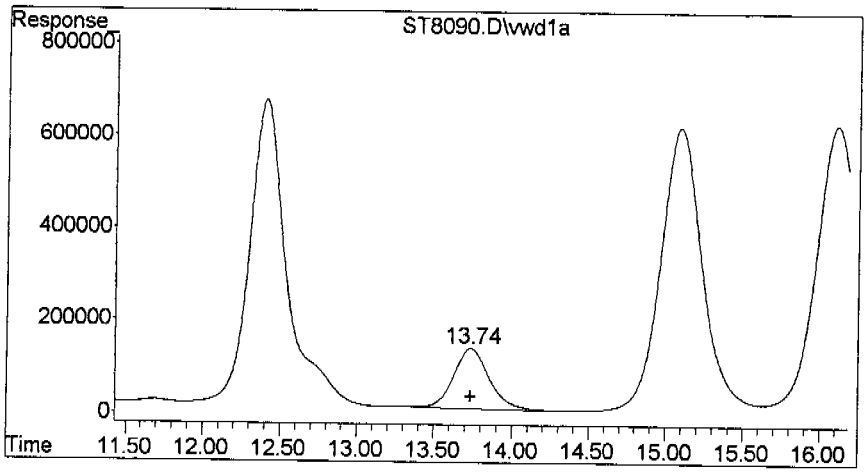
Signal #1 : D:\HPLC1\DATA\082004A\ST8090.D\fld1a.ch Vial: 20
Signal #2 : D:\HPLC1\DATA\082004A\ST8090.D\vwd1a.ch
Acq On : 21-Aug-2004, 19:38:12 Operator: caobinz
Sample : cc369-5,B 5 Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:18 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.737 min
Delta R.T.: 0.003 min
Response: 20335076
Conc: 4.89 PPB m

QC Raw Data

8332

(Test)

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8085.D\fld1a.ch Vial: 10
Signal #2 : D:\HPLC1\DATA\082004A\ST8085.D\vwd1a.ch
Acq On : 21-Aug-2004, 17:04:51 Operator: caobinz
Sample : op7582-mb Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:05 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.77	100958168	4.665 ppb m
Spiked Amount 5.000	Range 43 - 128	Recovery =	93.30%

Target Compounds

08/22/04

8/22/04

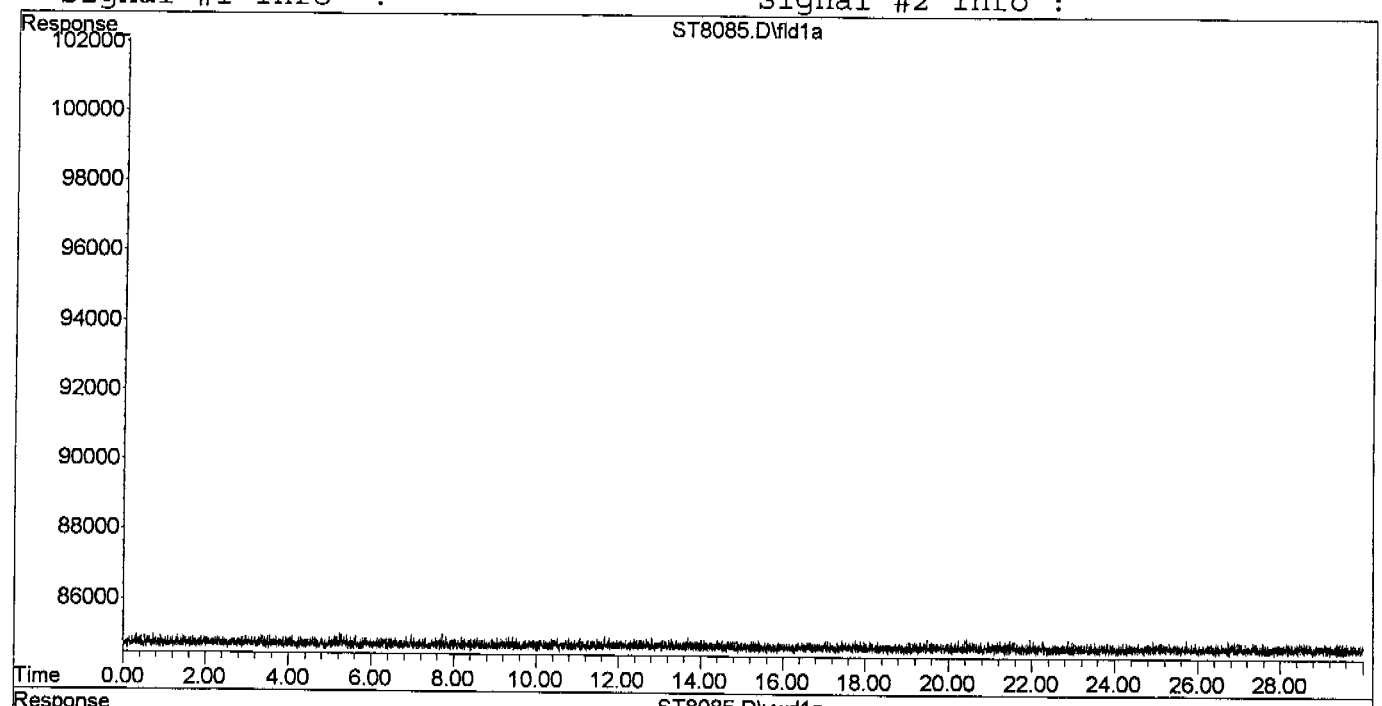
(f)=RT Delta > 1/2 Window (m)=manual int.

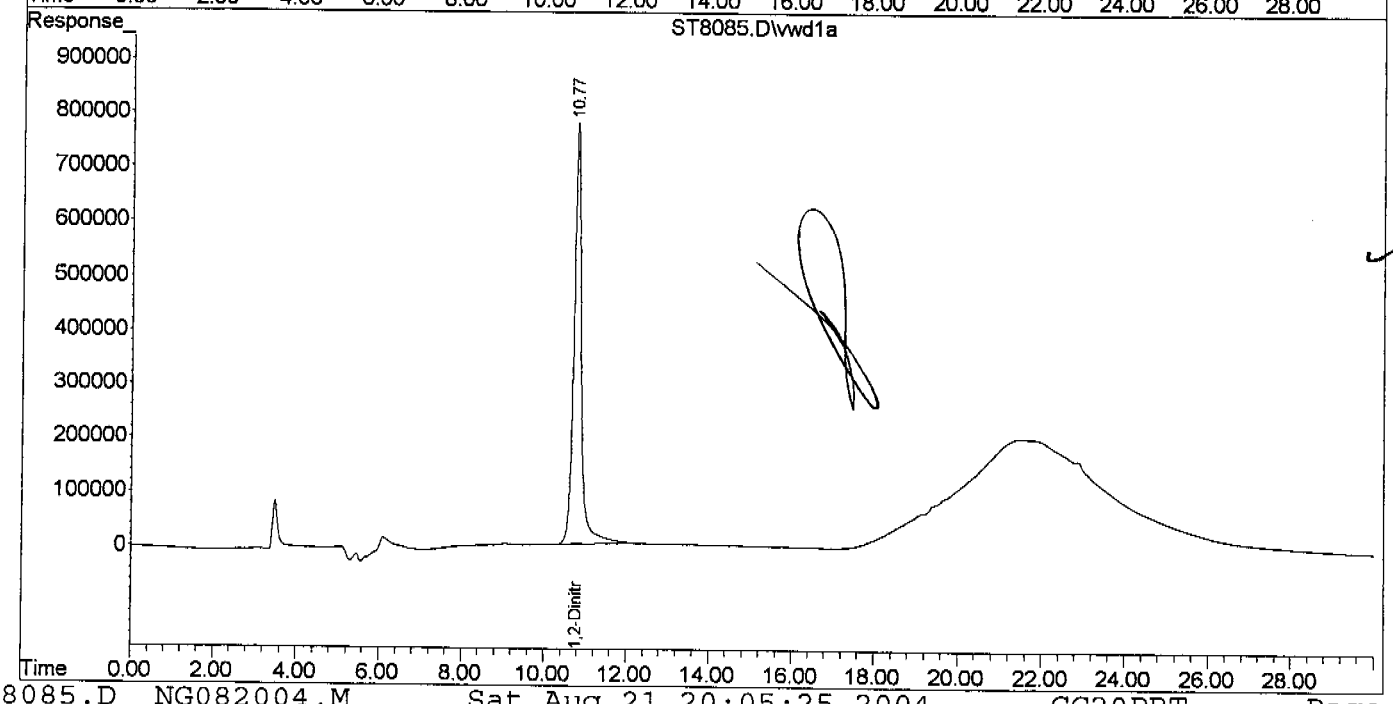
Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8085.D\fld1a.ch Vial: 10
Signal #2 : D:\HPLC1\DATA\082004A\ST8085.D\vwd1a.ch
Acq On : 21-Aug-2004, 17:04:51 Operator: caobinz
Sample : op7582-mb Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:05 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8086.D\fld1a.ch Vial: 11
Signal #2 : D:\HPLC1\DATA\082004A\ST8086.D\vwd1a.ch
Acq On : 21-Aug-2004, 17:35:30 Operator: caobinz
Sample : op7582-bs Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:05 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.76	95427889	4.410 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 88.20%			
Target Compounds			
3) Nitroglycerine	13.73	4169295	1.003 PPB m

S

8/24/04

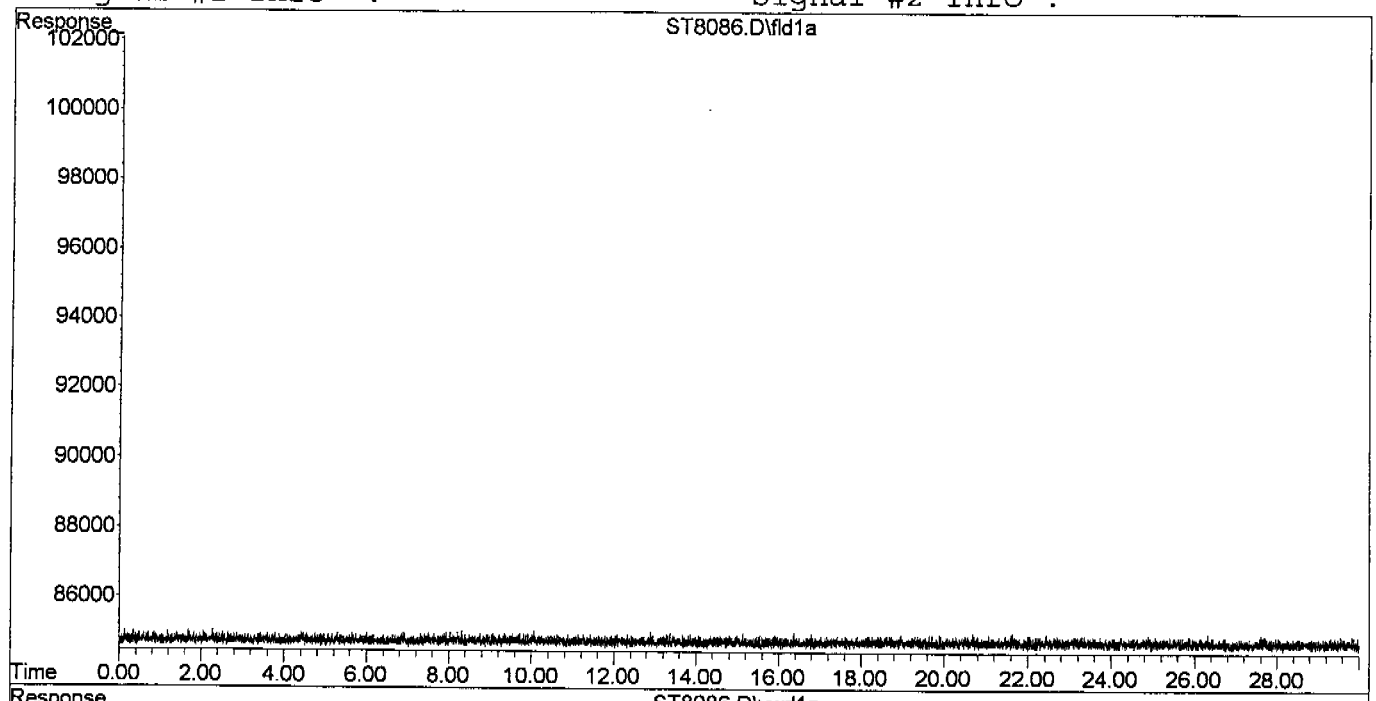
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8086.D NG082004.M Sat Aug 21 20:05 2004 GC20PRT Page 1

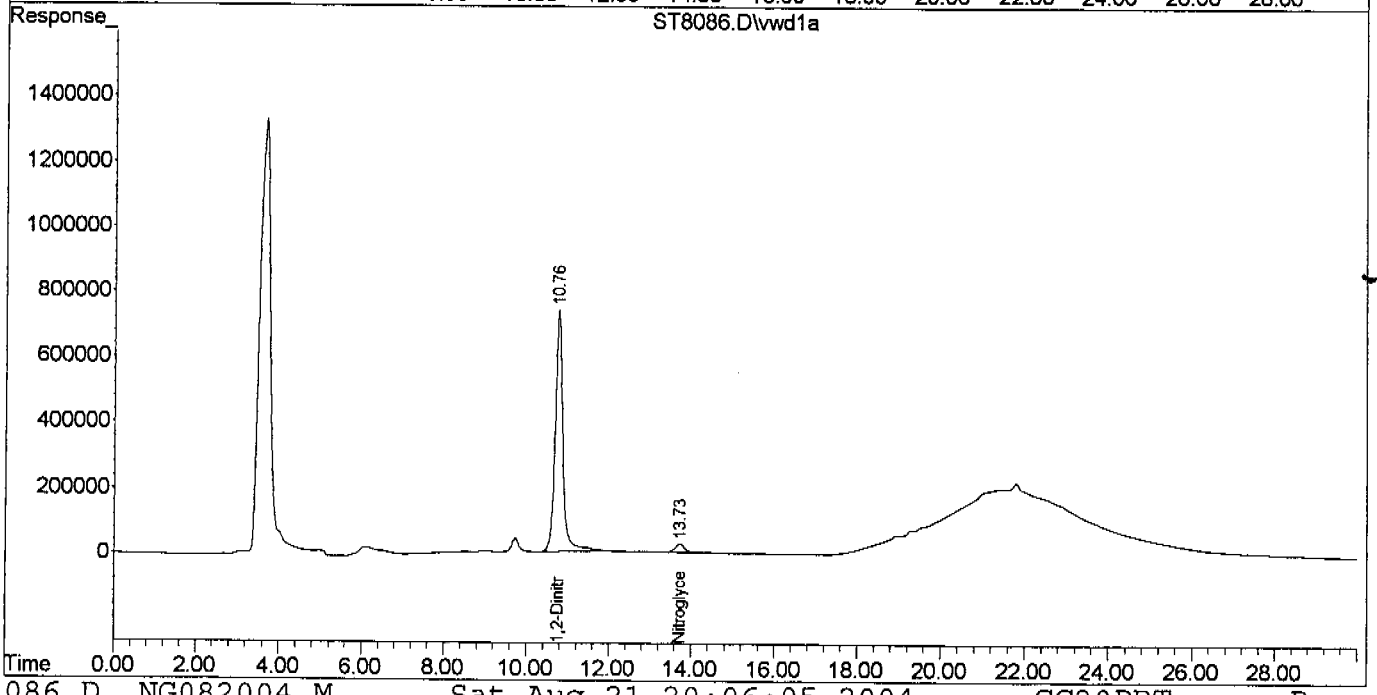
Quantitation Report (QT Reviewed)

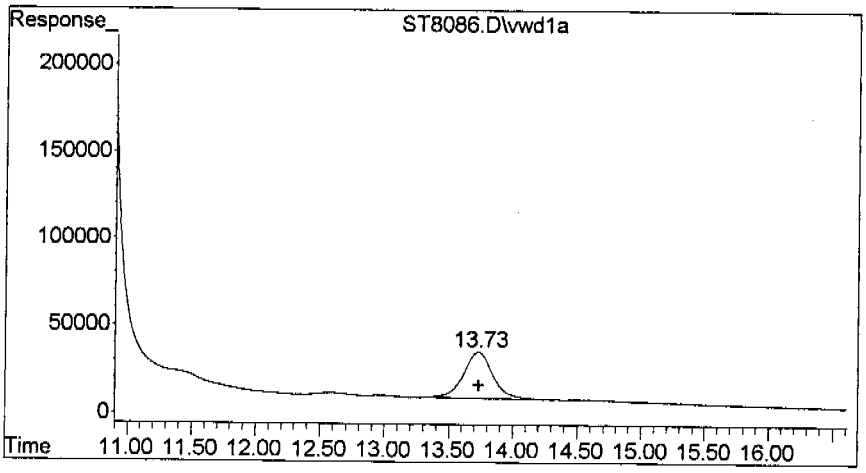
Signal #1 : D:\HPLC1\DATA\082004A\ST8086.D\fld1a.ch Vial: 11
Signal #2 : D:\HPLC1\DATA\082004A\ST8086.D\vwd1a.ch
Acq On : 21-Aug-2004, 17:35:30 Operator: caobinz
Sample : op7582-bs Inst : FLD
Misc : op7582,gst369,1000,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:05 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.732 min
Delta R.T.: -0.001 min
Response: 4169295
Conc: 1.00 PPB m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8087.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8087.D\vwd1a.ch
Acq On : 21-Aug-2004, 18:06:08 Operator: caobinz
Sample : op7582-ms Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:08 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.77	98052097	4.531 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 90.62%			
Target Compounds			
3) Nitroglycerine	13.75	4260358	1.025 PPB m

08/22/04

8/22/04

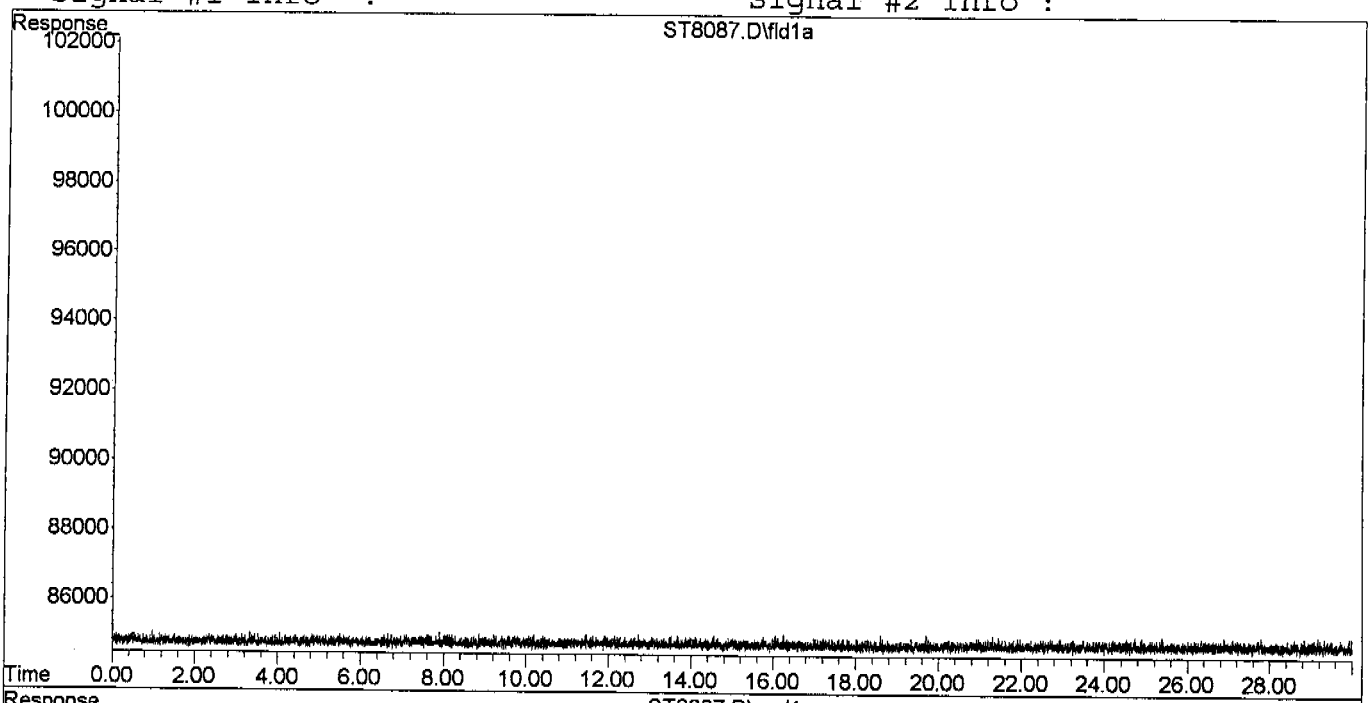
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8087.D NG082004.M Sat Aug 21 2004 19:43 2004 GC20PRT Page 1

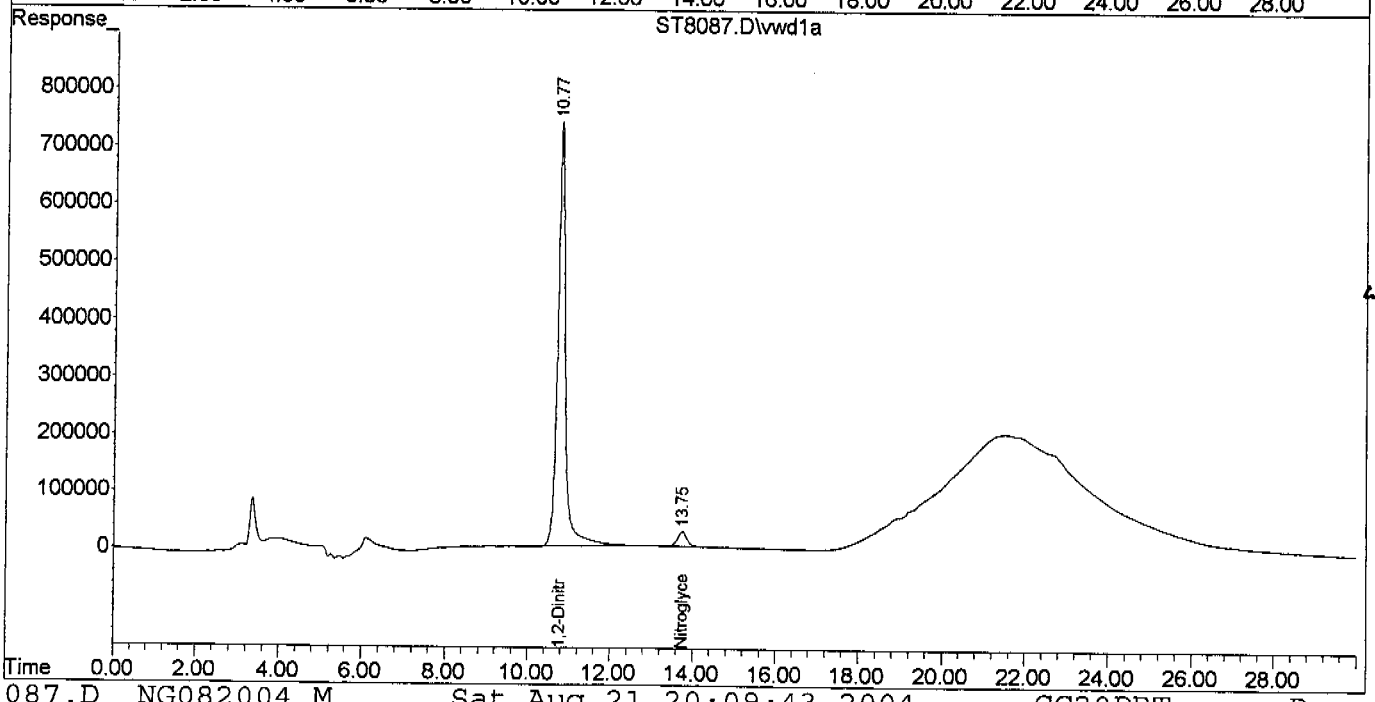
Quantitation Report (QT Reviewed)

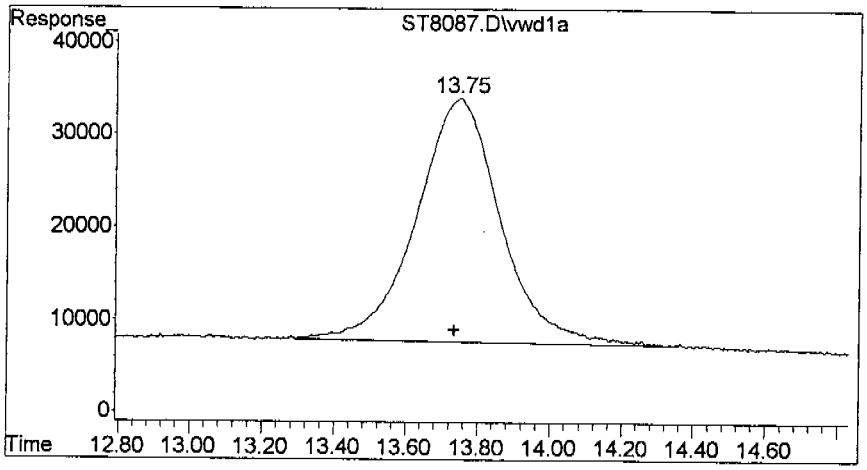
Signal #1 : D:\HPLC1\DATA\082004A\ST8087.D\fld1a.ch Vial: 12
Signal #2 : D:\HPLC1\DATA\082004A\ST8087.D\vwd1a.ch
Acq On : 21-Aug-2004, 18:06:08 Operator: caobinz
Sample : op7582-ms Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:08 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.747 min
Delta R.T.: 0.014 min
Response: 4260358
Conc: 1.03 PPB m

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC1\DATA\082004A\ST8088.D\fld1a.ch Vial: 13
Signal #2 : D:\HPLC1\DATA\082004A\ST8088.D\vwd1a.ch
Acq On : 21-Aug-2004, 18:36:49 Operator: caobinz
Sample : op7582-msd Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:10 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Initial Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) s 1,2-Dinitrobenzene	10.84	101097108	4.672 ppb m
Spiked Amount 5.000 Range 43 - 128 Recovery = 93.44%			
Target Compounds			
3) Nitroglycerine	13.86	4366319	1.051 PPB m

08/22/04

8/22/04

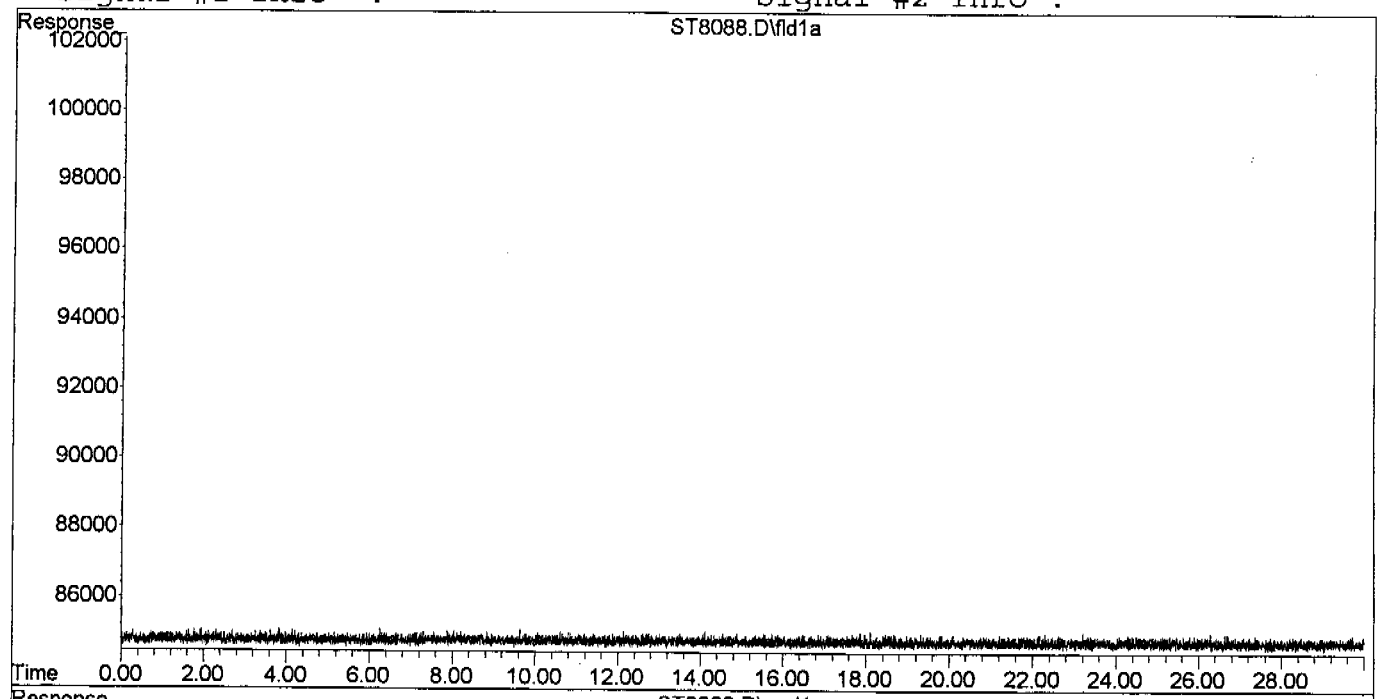
(f)=RT Delta > 1/2 Window (m)=manual int.
ST8088.D NG082004.M Sat Aug 21 20:10:31 2004 GC20PRT Page 1

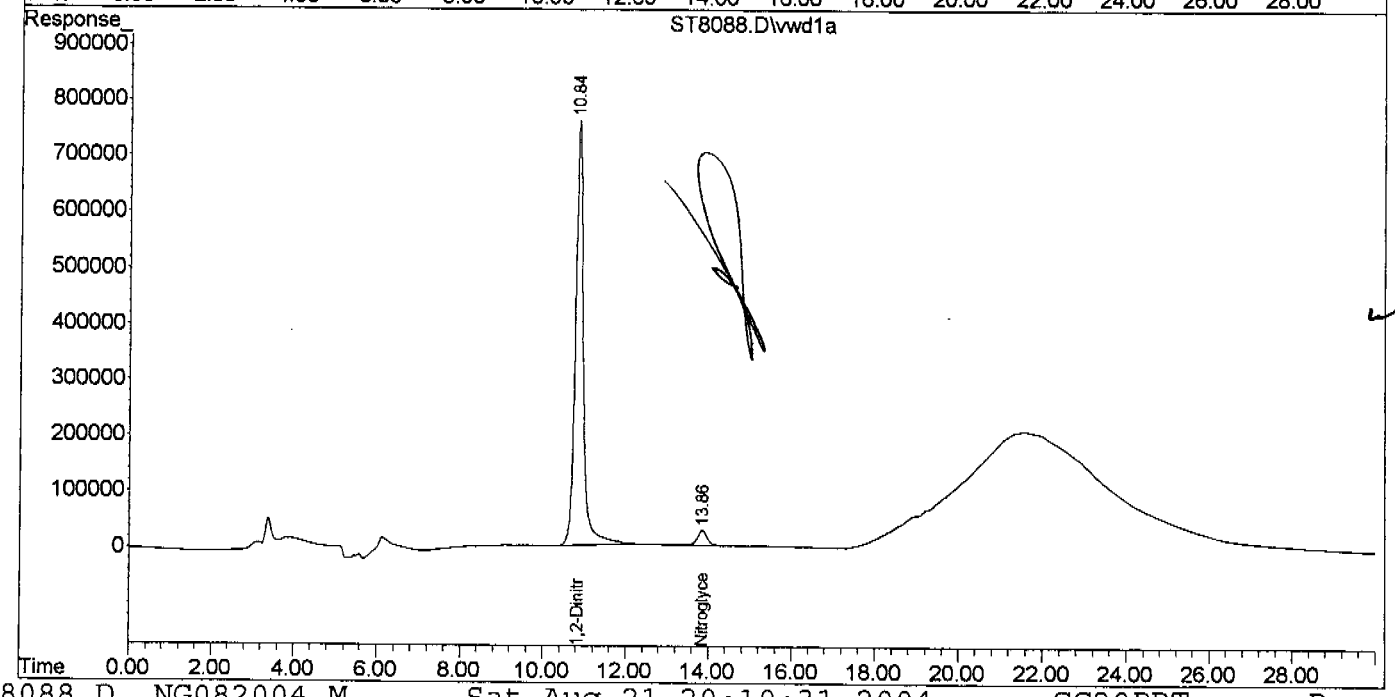
Quantitation Report (QT Reviewed)

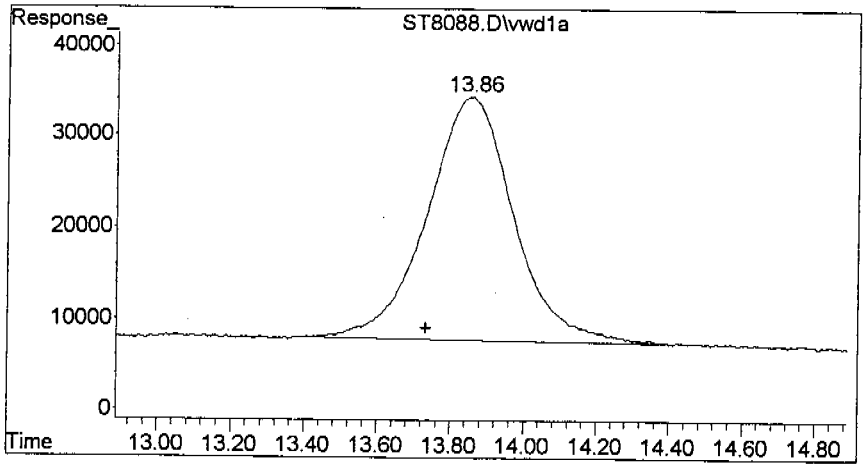
Signal #1 : D:\HPLC1\DATA\082004A\ST8088.D\fld1a.ch Vial: 13
Signal #2 : D:\HPLC1\DATA\082004A\ST8088.D\vwd1a.ch
Acq On : 21-Aug-2004, 18:36:49 Operator: caobinz
Sample : op7582-msd Inst : FLD
Misc : op7582,gst369,940,,,10, Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Aug 21 20:10 2004 Quant Results File: NG082004.RES

Quant Method : C:\HPCHEM\1\METHODS\NG082004.M (Chemstation Integrator)
Title : HPLC/NG/ultracarb
Last Update : Sat Aug 21 19:31:27 2004
Response via : Single Level Calibration
DataAcq Meth : ULTRACAR.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :







#3 Nitroglycerine

R.T.: 13.858 min
Delta R.T.: 0.124 min
Response: 4366319
Conc: 1.05 PPB m

Logbook Pages

8332

(Test)

Accutest Laboratories of New England, Inc.

HPLC Analysis Log - Extractables

Run Date: 8/20/04

Analyst Signature: C Chu

Standard Data

Lot #	Description	Conc
LC2250/51	mix A	10/5 ug/ml
52/53	↓	2/1
54/55	↓	0.25/0.05
63/64	mix B	10/5
65/66	↓	2/1
67/68	↓	0.25/0.05
2239	mix A (ICV)	5
2271	mix B (ICV)	5

Column Information: ultracarb @ 8/20/04 #241334-2

Data Directory: 082004A

Sequence File: 082004B

Quantitation Methods: EX082004 – Explosive; NG 082004 – Nitroglycerine

Instrument Run Batches: GST 368 – Exp; GST 369 – NG

Data Acquisition Methods: Ultracar

Inj. Vol: 75ul

Date of ICAL: 8/20/04

Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
1	ST8049	A 10	OP7581 OP7582	LC8330/LC8332	W	NA	Changed λ from 204nm to 214 to suit for NG.
2	50	5					
3	51	2					
4	52	1					Primary run.
5	53	0.25					
6	54	0.05					
7	55	B 10					Any compd hit is to be confirmed on LC2 on Synergi column.
8	56	5					
9	57	2					
10	58	1					
11	59	0.25					
12	60	0.05					
13	61	A 5 ICV					OK
14	62	B 10 ICV					LC2242, OK for GST 368
15	63	~~W74514-1X~~ SHG1391.4					ND M41346 -1
16	64	M41346 ~~-2X~~	-2				O-NT/P-NT -2
17	65	~~-3X~~	-3				ND -3
18	66	~~-4X~~	-4				O-NT -4
19	67	~~-5X~~	-5				O-NT -5
20	68	~~-6X~~	-6				O-NT/P-NT -6
21	69	~~-7X~~	-7				P-NT -7
1	70	~~-9X~~	-9				O-NT/P-NT -9
2	71	~~-10X~~	-10				O-NT -10
3	72	A 2					OK
8	73	B 5					OK
1	74	OP7581-MB	OP7581				O-NT
2	75	-BS					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil.

GC003-04
Date: 7/02/03

Review: 08/24/04

Accutest Laboratories of New England, Inc.

HPLC Analysis Log - Extractables

Run Date: 8/20/04 (Cont'd)

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc

See previous page

Column Information:
Data Directory:
Sequence File:
Quantitation Methods:
Instrument Run Batches:
Data Acquisition Methods: See previous page
Inj. Vol:

Date of ICAL: 8/20/04

Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
3	ST8076	ZM 8/31/04 ~~N74914-11X~~	op7581	LC8330/LC8332	W	NA	O-NT / P-NT M413 46-11
4	77	~~-12X~~	op7582				O-NT / P-NT -12
5	78	~~-13X~~					O-NT -13
6	79	~~-14X~~					O-NT -14
7	80	~~-15X~~					O-NT / P-NT -15
8	81	op7581-MS	op7581				
9	82	-MSD					
14	82A	B 5, ICV					new 8/21/04 OK
18	83	A 5					OK
21	84	B 2					
10	85	op7582-MB	op7582	LC8332			
11	86	-BS					
12	87	-MS					
13	88	-MSD					
19	89	A 2					OK
20	90	B 5					OK

[signature] 8/22/04

MTX = Matrix: Designate W for water, S for soil, O for oil.

[signature] 08/22/04

GC003-04
Date: 7/02/03

Review:

Accutest Laboratories

Extracted by: RJ/LL
Concentrated by: NA
Fractionated by: N/A
Extraction Method: 5038468330

Date: 18-Aug-04
Batch: OP 7582
Matrix: Aqueous
Analysis Method: LC8332NG

	Sample	Bottle No.	Initial Volume (ml)	Final Volume (ml)	pH		Cleanup/Comments	Received by: Date
1	OP7582 -mb	N/A	1000	10.0	N/A	N/A		28/08/04
2	-bs		1000					
3	N74914-9X -ms	5	940				N41346-9	
4	-msd	8	940				N41346-9	
5	N74914-1X	1	900				N41346-1	
6	2X	1	850				-2	
7	3X	1	850				-3	
8	4X	2	980				-4	
9	5X	3	930				-5	
10	6X	1	920				-6	
11	7X	1	900				-7	
12	9X	3	870				-9	
13	10X	1	900				-10	
14	11X	1	850				-11	
15	12X	3	940				-12	
16	13X	2	880				-13	
17	14X	3	890				-14	
18	15X	3	890				-15	
19	RJ							
20								
21								
22							20 Aug-04	
23							RJ	
24								

	Fraction	Lot #	Conc.	Vol. (ml)
Surrogate:	M8330-SS	P02103	1000 µg/ml	50 ml
Surrogate:	NA			
Surrogate:				
Surrogate:				
Spike:	Nitroglycerin	P02259	100 µg/ml	100 µl
Spike:	NA			
Spike:				
Spike:				

MeCl2:	NA
Hexane:	NA
Acetone:	NA
Acetonitrile:	JT Baker Y21823
Na Sulfate MFG/Lot #:	NA
Silica MFG/Lot #:	NA
SPE MFG/Lot #:	Waters W2200B1
Copper:	NA
Hydromatrix:	NA

Water Bath Temp: NA

Reviewed by:

Tray #: SC-35

OP002-03 (10/25/02)