



Edward D. Meeks
Remediation Project Manager
Environmental, Health & Safety

Hercules Incorporated
Hercules Research Center
500 Hercules Road
Wilmington, DE 19808-1599
Writer's Direct Dial: 302-995-3433

VIA FEDERAL EXPRESS

November 13, 2017

Bureau of Case Assignment & Initial Notice
Site Remediation Program
New Jersey Department of Environmental Protection
401-05H
PO Box 420
Trenton, New Jersey 08625-0420

Subject: **Potable Well Sampling Results Notification**
Sunoco LP Property
1101 Route 46, Ledgewood, Roxbury Township, Morris County
Block 6502, Lot 3
Sampling Date: October 9, 2017

Regarding: **Hercules LLC – Former Kenvil Works Facility**
100 Howard Boulevard/51 Hercules Road
Kenvil, Roxbury Township, Morris County
NJDEP Program Interest No.: 000741

Dear Sir or Madam:

On behalf of Hercules LLC (Hercules) please find attached documentation related to potable well sample analytical results reporting for the above-referenced property. The information provided herein fulfills reporting requirements for potable well sample results less than Class II groundwater quality standards established at New Jersey Administrative Code 7:26E-1.14(c).

Specifically, this information package includes:

- Exhibit 1 – Full Laboratory Data Deliverable Form
- Exhibit 2 – Electronic data deliverable email submission confirmation
- Exhibit 3 – Notification package dated October 27, 2017 sent to Sunoco LP (property owner) and Roxbury Township Health Department

Based on these results, no further investigation on the Sunoco LP property is needed.

If you have questions related to the potable well sampling please contact me at 302.995.3433 or edmeeks@ashland.com.

Sincerely,



Edward D. Meeks
Remediation Project Manager

Enclosure

cc: Mark Foley, Licensed Site Remediation Professional, WSP Inc.
Scott Larew, Project Manager, Kennedy/Jenks Consultants

Exhibit 1

Full Laboratory Data Deliverable Form



New Jersey Department of Environmental Protection
Site Remediation Program

FULL LABORATORY DATA DELIVERABLES FORM

☐ LSRP

☐ Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: _____
List all AKAs: _____
Street Address: _____
Municipality: _____ (Township, Boro or City)
County: _____ Zip Code: _____
Program Interest (PI) Number(s): _____ Case Tracking Number(s): _____

SECTION B. NJDEP CASE MANAGER

Do you have an assigned Case Manager?..... ☐ Yes ☐ No

If "Yes," please list the Case Manager: _____

SECTION C. REMEDIAL PHASE

- | | |
|--|---|
| ☐ Immediate Environmental Concern | ☐ Preliminary Assessment Report |
| ☐ Site Investigation Report | ☐ Remedial Investigation/Remedial Action Work Plan |
| ☐ Remedial Action Report | ☐ Response Action Outcome |

SECTION D. Matrix Type/Analysis and Number of Samples

- ☐ Potable Well Water.....# of samples: _____ Sampling Date: _____
Analytical Method(s) _____
- ☐ Indoor Air.....# of samples: _____ Sampling Date: _____
Analytical Method _____
- ☐ Polychlorinated dibenzo-p-dioxins/polychlorinated dibenzofurans # of samples: _____ Sampling Date: _____
Analytical Method _____
- ☐ Hexavalent chromium soil sample# of samples: _____ Sampling Date: _____
Analytical Method _____
- ☐ Other _____ # of samples: _____ Sampling Date: _____
Analytical Method _____
- ☐ Other _____ # of samples: _____ Sampling Date: _____
Analytical Method _____
- ☐ Other _____ # of samples: _____ Sampling Date: _____
Analytical Method _____

SECTION E. GENERAL

1. Was a full laboratory data deliverables package provided?..... ☐ Yes ☐ No
2. Was a certified laboratory(s) used for the analyses? ☐ Yes ☐ No
Provide name of laboratory(s): _____
3. Were data summaries provided for all samples? ☐ Yes ☐ No
4. Were electronic deliverables submitted?..... ☐ Yes ☐ No
5. For air sample data, were the TO-15 Conversion Tables (hit-lists) provided on disc in the appropriate Excel format pursuant to the VIG? ☐ Yes ☐ No

Section F. Data Quality Assurance/Quality Control

1. Were the appropriate sample preservation requirements met? ☐ Yes ☐ No
2. Were appropriate sample holding times (for both extraction/sample preparation and analysis) met? ☐ Yes ☐ No
If "No," provide a brief explanation.
3. Were the samples diluted? ☐ Yes ☐ No
Indicate the identity of the samples and why.
4. If applicable, did sample dilutions result in elevated reporting limits that exceed applicable standards?.. ☐ Yes ☐ No
If "Yes," list the affected samples.
5. Were any applicable standards exceeded for any samples? ☐ Yes ☐ No
If "Yes," include the number of samples and laboratory sample identification numbers.
6. Were the laboratory reporting limits below the applicable remediation standards/criteria required for the site? ☐ Yes ☐ No
If "No," provide a brief explanation of action taken.
7. Were qualifications noted in the non-conformance summary? ☐ Yes ☐ No
Provide a brief explanation.
8. Were qualified data used? ☐ Yes ☐ No
9. Were rejections noted in the non-conformance summary? ☐ Yes ☐ No
Provide a brief explanation.

10. Were rejected data used? ☐ Yes ☒ No

If "Yes," please indicate reasons rejected data were used:

- ☐ For Hex Chrome, data were rejected because spike recovery was less than 50%.
- ☐ Data were rejected due to missing deliverables.
- ☐ Data were rejected but an applicable standard exceedance exists.
- ☐ Data were rejected in an early phase of a remediation; however, additional sampling and analysis are scheduled to be performed.
- ☐ Other reasons not noted directly above. Explain:

11. Were the quality control criteria associated with the compounds of concern at the site met? ☒ Yes ☐ No

12. Were the QC Summary Forms reviewed? ☒ Yes ☐ No

13. Surrogate recoveries acceptable ☒ Yes ☐ No

14. Internal Standards acceptable ☒ Yes ☐ No

15. MS/MSDs acceptable ☒ Yes ☐ No

16. Tune summaries acceptable ☐ Yes ☐ No

17. Calibration summaries acceptable ☒ Yes ☐ No

18. Serial dilutions acceptable ☐ Yes ☐ No

19. Inorganic duplicates acceptable ☐ Yes ☐ No

20. LCS recovery acceptable ☒ Yes ☐ No

21. Other QC acceptable? ☒ Yes ☐ No

Provide a brief explanation if applicable:

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Edward D. Meeks

Representative First Name: Edward Representative Last Name: Meeks

Title: Remediation Project Manager

Phone Number: (302) 995-3433 Ext: _____ Fax: (302) 995-3485

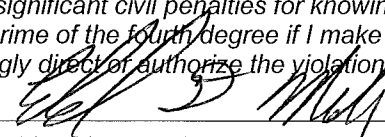
Mailing Address: 500 Hercules Road, Building 8145/1-025

City/Town: Wilmington State: Delaware Zip Code: 19808

Email Address: edmeeks@ashland.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature:  Date: 11/7/17

Name/Title: Edward D. Meeks - Remediation Project Manager

SECTION H. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENTLSRP ID Number: 575999First Name: Mark Last Name: FoleyPhone Number: (609) 512-3676 Ext: _____ Fax: _____Mailing Address: 2000 Lenox Drive, 3rd FloorCity/Town: Lawrenceville State: New Jersey Zip Code: 08648Email Address: mark.foley@wsp.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with N.J.S.A. 58:10C-14, and N.J.S.A. 58:10B-1.3b(1) and (2).

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

- ☐ *directly oversaw and supervised all of the referenced remediation, and/or*
☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 10/24/17LSRP Name/Title: Mark Foley - Practice LeaderCompany Name: WSP USA

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

Exhibit 2

Electronic Data Deliverable Email Submission Confirmation

Kiersten Robbins

From: DEP SRPEDD <SRPEDD@dep.nj.gov>
Sent: Monday, November 20, 2017 5:50 PM
To: Kiersten Robbins
Subject: 000741, LSR120001, E94632, HB218512, (Directory: 2017PW) - Passed
Attachments: DTST.TXT; EDSA_Error_Log.html; erdtst-7-1-8.txt; erresult-7-1-8.txt; ersample-7-1-8.txt; HZRESULT.TXT; HZSAMPLE.TXT; rstp-7-1-8.txt; SampleLoc-7-1-8.KML

The EDD submission via email from (KierstenRobbins@kennedyjenks.com) on (11/16/2017 4:02:39 PM) with the subjectline "14794, 000741".

The following identifiers were in the DTST file:

- Directory: 2017PW
- DESC: Ashland Kenvil
- SRPID: E94632
- Submit Date: 10/31/2017 0:00:00

This submission has been issued an SRP Catalog ID: HB218512

Submission status: **Passed.**

Please do **not** resubmit.

EDD data deliverable must be submitted only once.

- To fulfill Key Document requirements attach only a copy of this email as an appendix to the document.
- Do **not** resubmit any approved EDD deliverable as part of a portal submission.

Email ID: OEM_4902
Sub ID: SUB_47994

Exhibit 3

Notification Package Dated October 27, 2017



Edward D. Meeks
Remediation Project Manager
Environmental, Health & Safety

Hercules LLC
Hercules Research Center
500 Hercules Road
Wilmington, DE 19808-1599
Writer's Direct Dial: 302-995-3433

VIA CERTIFIED MAIL/RETURN RECEIPT

October 27, 2017

Sunoco LP
70 East Avenue
Lawrence, New York 11559
Attn: Russel Hammond

Subject: Potable Well Sampling Results at:
1101 Route 46
Ledgewood, Roxbury Township, Morris County
Block 6502, Lot 3
Sampling Date: October 9, 2017

Regarding: Hercules LLC – Former Kenvil Works Facility
100 Howard Boulevard/51 Hercules Road
Kenvil, Roxbury Township, Morris County
NJDEP Program Interest No.: 000741

Dear Mr. Hammond,

On behalf of Hercules, LLC (Hercules) please find attached a copy of the laboratory results generated from the potable water sample collected on October 9, 2017 from the Sunoco Service Station potable well at 1101 Route 46 in Ledgewood, Roxbury Township, Morris County, New Jersey.

The potable well sample was collected in compliance with New Jersey Department of Environmental Protection (NJDEP) guidance as part of the on-going environmental investigation/remediation of the Hercules property. Specifically, the potable well sample was collected to verify that site related compounds are not present in the potable well sample at concentrations exceeding the New Jersey Department of Environmental Protection's Groundwater Quality Standards established at New Jersey Administrative Code 7:9C as required by New Jersey Administrative Code (N.J.A.C) 7:26E-1.14.

The potable well sample was only analyzed for nitroaromatics and nitroamines by USEPA Method SW846 8095. Nitroaromatics and nitroamines are explosive compounds that were formerly manufactured at the Hercules property.

Mr. R. Hammond
Sunoco LLC
October 27, 2017

No nitroaromatics or nitroamines were detected in the potable water sample at concentrations greater than New Jersey Department of Environmental Protection's Groundwater Quality Standards established at New Jersey Administrative Code 7:9C.

The laboratory report is provided in Enclosure A. Please note that the analytical laboratory's case narrative provided in Enclosure A references the presence of matrix interference. The matrix interference may be the result of other constituents being present that are unrelated to the Hercules property.

Pursuant to New Jersey's Open Public Records Act (OPRA), potable well sampling results submitted to NJDEP become part of the public record for the former Kenvil Works Facility (also referred to as the Alliant Techsystems, Inc. Site). NJDEP is obligated to make this information available to any interested party that requests access to it through its Office of Record Access.

If you have any questions concerning the potable well sampling please don't hesitate to contact me at either 302-995-3433 or edmeeks@ashland.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ed D. Meeks', written in a cursive style.

Edward D. Meeks
Remediation Project Manager

Enclosure

cc: Scott Larew, Principal Scientist/Project Manager, Kennedy/Jenks Consultants
Mark Foley, Licensed Site Remediation Professional, WSP Americas, Inc.
Roxbury Township Health Department

Enclosure A

Pace Analytical – Madison

SDG: A174105



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Pace Analytical - Madison

SDG: A174105

Report Prepared: 10/22/2017

Certification List

Expires

ADEQ	Arkansas Department of Environmental Quality	17-065-0	09/26/2018
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2018
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2018
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2018
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2018
NCDEQ	North Carolina Dept. of Environmental Quality Accredi	688	12/31/2017
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2018
ODEQ	Oklahoma Department of Environmental Quality Accre	2017-154	08/31/2018
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2017
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2018

Case Narrative

CASE NARRATIVE

Sample Receipt Information:

2 samples were received on 10/10/2017. Samples were received at 2.1 degrees Celsius. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

The following analytes are not being reported due to matrix interference on both analytical columns: nitrobenzene and 2-nitrotoluene.

The following analytes are not being reported from the primary column analytical column due to matrix interferences: 4-nitrotoluene and nitroglycerin.

The following analytes had the report limits elevated due to low level matrix interference: 3-nitrotoluene raised to 0.10 ug/L and 4-nitrotoluene raised to 0.25 ug/L.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, unless conditions are detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:



Name:

Patrick Letterer

Date:

10/23/2017

Title:

Quality Manager

ANALYSES DATA PACKAGE COVER PAGE

Laboratory: Pace Analytical - Madison

SDG: A174105

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Client Sample Id:

PW-1101-100917

PW-1101DUP-100917

Lab Sample Id:

A174105-01

A174105-02

Notes and Definitions

U	Analyte included in the analysis, but not detected
CN	See the case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is b
RPD	Relative Percent Difference

TABLE 1
MANUAL INTEGRATION REVIEW CODES

Review Code:	Explanation of Review Code
NI	Indicates that the peak was not integrated at all by the computer software.
LT	Indicates that the peak in question was inappropriately integrated to an area or height less than what it should be (e.g., peak area/height was cut).
GT	Indicates that the peak in question was inappropriately integrated to an area or height greater than it should be (e.g., peak tailing).
BA	Indicates that the baseline had to be adjusted correctly by the analyst.
CO	Indicates that the analyst had to split two co-eluting peaks apart that were not (or could not be) separated by the computer system.
RT	Indicates that the retention time for the peak in question has shifted from the expected retention time.
INT	Indicates that there was electronic interference (e.g., noise).
WP	Indicates that the wrong peak was chosen by the data system.

REPORTING LIMITS

Laboratory: Pace Analytical - Madison

SDG: A174105

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Matrix: Water

Instrument: 3336A52146

Analyte	MRL	Units	Method
3-Nitrotoluene	0.025	ug/L	EPA 8095
4-Nitrotoluene [2C]	0.025	ug/L	EPA 8095
Nitroglycerin [2C]	0.025	ug/L	EPA 8095
1,3-Dinitrobenzene	0.025	ug/L	EPA 8095
2,6-Dinitrotoluene	0.025	ug/L	EPA 8095
2,4-Dinitrotoluene	0.025	ug/L	EPA 8095
1,3,5-Trinitrobenzene	0.025	ug/L	EPA 8095
2,4,6-Trinitrotoluene	0.025	ug/L	EPA 8095
PETN	0.025	ug/L	EPA 8095
RDX	0.025	ug/L	EPA 8095
4-Amino-2,6-dinitrotoluene	0.050	ug/L	EPA 8095
3,5-Dinitroaniline	0.025	ug/L	EPA 8095
2-Amino-4,6-dinitrotoluene	0.025	ug/L	EPA 8095
Tetryl	0.025	ug/L	EPA 8095
HMX	0.025	ug/L	EPA 8095

ORGANIC ANALYSIS DATA SHEET

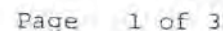
PW-1101-100917

Laboratory:	Pace Analytical - Madison	SDG:	A174105
Client:	Kennedy Jenks Consultants	Project:	Ashland Kenvil - Kenvil, NJ
Matrix:	Water	Laboratory ID:	A174105-01
		File ID:	014F1401.D.Report.TXT
Sampled:	10/09/17 11:15	Prepared:	10/11/17 13:31
		Analyzed:	10/11/17 22:42
Solids:		Preparation:	EPA 3511
		Initial/Final:	400 mL / 10 mL
Batch:	A710039	Sequence:	A7J1104
		Calibration:	A171009
		Instrument:	3336A52146

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
35572-78-2	2-Amino-4,6-dinitrotoluene	1	0.025	U
19406-51-0	4-Amino-2,6-dinitrotoluene	1	0.050	U
618-87-1	3,5-Dinitroaniline	1	0.025	U
99-65-0	1,3-Dinitrobenzene	1	0.025	U
606-20-2	2,6-Dinitrotoluene	1	0.24	
121-14-2	2,4-Dinitrotoluene	1	0.025	U
2691-41-0	HMX	1	0.025	U
55-63-0	Nitroglycerin [2C]	1	0.025	U
99-08-1	3-Nitrotoluene	1	0.10	CN, U
99-99-0	4-Nitrotoluene [2C]	1	0.25	CN, U
78-11-5	PETN	1	0.025	U
121-82-4	RDX	1	0.025	U
479-45-8	Tetryl	1	0.025	U
99-35-4	1,3,5-Trinitrobenzene	1	0.13	
118-96-7	2,4,6-Trinitrotoluene	1	0.025	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,2'-Dinitrobiphenyl	2.500	2.72	109	60 - 140	
2,2'-Dinitrobiphenyl [2C]	2.500	2.44	97.4	60 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1-Bromo-4-nitrobenzene	377957	4.351	182510	4.348	
1-Bromo-4-nitrobenzene [2C]	221215	3.788	100899	3.785	



=====

Acq. Operator	: RWJ	Seq. Line	: 14
Acq. Instrument	: 3336A52146	Location	: Vial 14
Injection Date	: 10/11/2017 10:42:53 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

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Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.904	1		1	-	-	-		2-NITROTOLUENE
3.222	1		1	-	-	-		3-NITROTOLUENE
3.369	1		1	-	-	-		4-NITROTOLUENE
4.351	1	FM +I	1	3.77957e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.635	1		1	-	-	-		NITROGLYCERIN
5.259	1		1	-	-	-		1,3-DINITROBENZENE
5.400	1	FM	1	4.87283e4	5.99759e-1	9.66555e-3		2,6-DINITROTOLUENE
5.957	1		1	-	-	-		2,4-DINITROTOLUENE
6.352	1		1	-	-	-		3,4-DINITROTOLUENE
7.038	1	MF	1	1.12536e4	1.34528	5.00693e-3		1,3,5-TRINITROBENZENE
7.217	1	FM	1	1034.78516	4.85473e-1	1.66144e-4		2,4,6-TRINITROTOLUENE
7.830	1		1	-	-	-		PETN
8.140	1	BV	1	1926.61194	6.98413e-1	4.45015e-4		RDX
8.693	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.764	1	VV	1	4858.36328	4.94764e-1	7.94980e-4		3,5-DINITROANILINE
9.007	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.524	1	FM +	1	3.31069e5	9.93999e-1	1.08836e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.620	1		1	-	-	-		TETRYL
12.244	1		1	-	-	-		HMX

Totals without ISTD(s) : 1.24915e-1

=====

Acq. Operator	: RWJ	Seq. Line	: 14
Acq. Instrument	: 3336A52146	Location	: Vial 14
Injection Date	: 10/11/2017 10:42:53 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P). INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

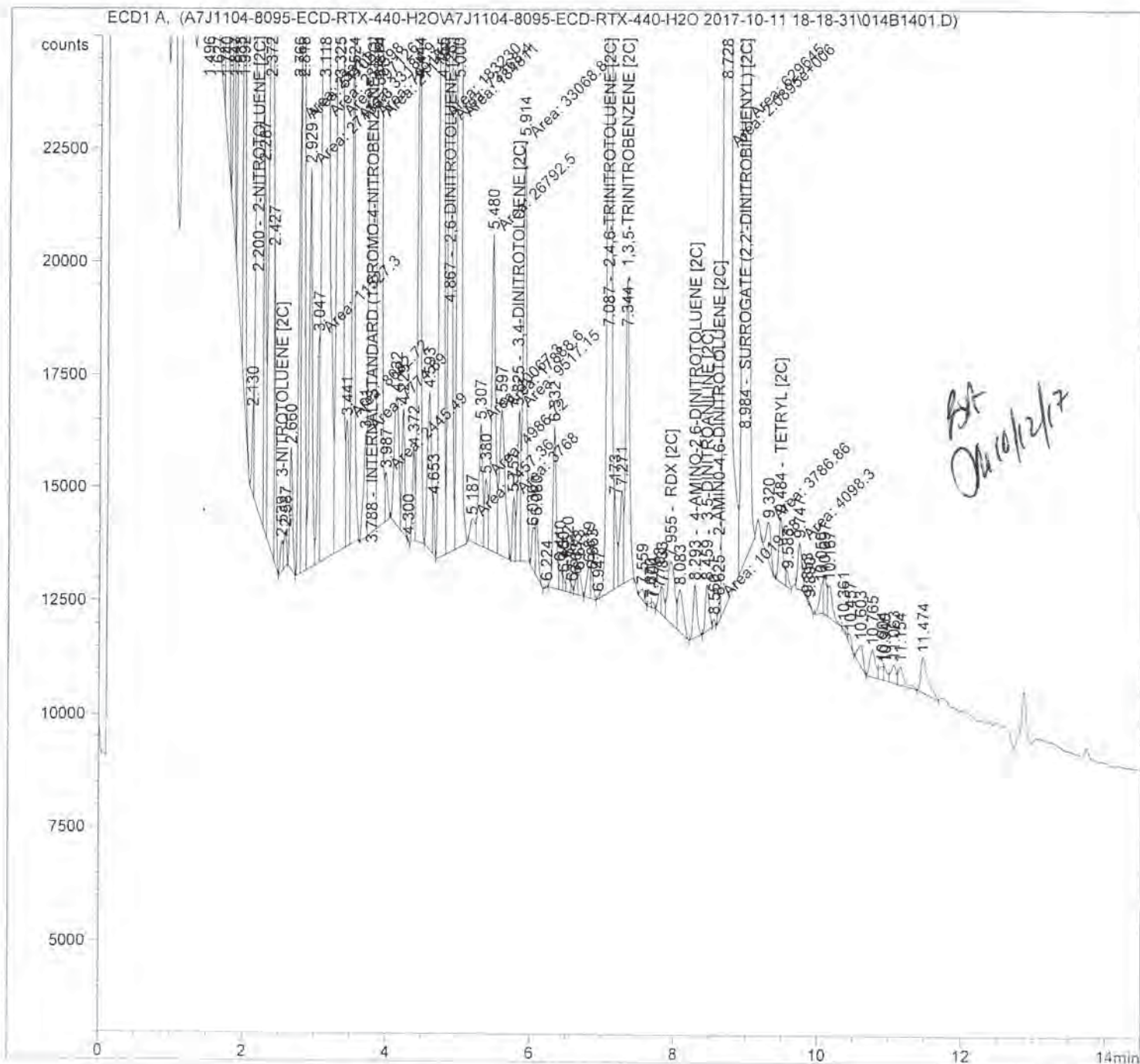
=====

*** End of Report ***

```

Acq. Operator   : RWJ                               Seq. Line : 14
Acq. Instrument : 3337G12416                         Location  : Vial 14
Injection Date  : 10/11/2017 11:08:00 PM             Inj       : 1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.

```



=====

Acq. Operator	: RWJ	Seq. Line	: 14
Acq. Instrument	: 3337G12416	Location	: Vial 14
Injection Date	: 10/11/2017 11:08:00 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

Substance 0813047

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.558	1		1	-	-	-		NITROBENZENE [2C]
2.200	1	VV	1	1.01186e5	5.86948	3.35595e-1		2-NITROTOLUENE [2C] <i>WC</i>
2.539	1	BV	1	662.13953	4.39908	1.64591e-3		3-NITROTOLUENE [2C] <i>WC</i>
2.702	1		1	-	-	-		4-NITROTOLUENE [2C]
3.788	1	MF +I	1	2.21215e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.190	1		1	-	-	-		NITROGLYCERIN [2C]
4.867	1	FM	1	2.21832e4	6.27613e-1	7.86703e-3		2,6-DINITROTOLUENE [2C] <i>c</i>
4.922	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.543	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.825	1	MF	1	3349.36255	5.70506e-1	1.07974e-3		3,4-DINITROTOLUENE [2C] <i>WC</i>
7.087	1	VV	1	4.63935e4	8.20023e-1	2.14970e-2		2,4,6-TRINITROTOLUENE [2C]
7.344	1	VB	1	6707.42383	1.59195	6.03367e-3		1,3,5-TRINITROBENZENE [2C] <i>c</i>
7.411	1		1	-	-	-		PETN [2C]
7.955	1	VV	1	1355.61316	7.77201e-1	5.95339e-4		RDX [2C]
8.293	1	BB	1	1162.36218	9.15139e-1	6.01068e-4		4-AMINO-2,6-DINITROTOLUENE [2C]
8.459	1	BV	1	1018.19244	1.43581	8.26077e-4		3,5-DINITROANILINE [2C]
8.625	1	MF	1	487.91296	8.83856e-1	2.43679e-4		2-AMINO-4,6-DINITROTOLUENE [2C]
8.984	1	FM +	1	1.78510e5	9.65806e-1	9.74200e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.484	1	BV	1	1433.35706	6.60519	5.34977e-3		TETRYL [2C]
12.378	1		1	-	-	-		HMX [2C]

Sample Name: A174105-01

```
=====
Acq. Operator   : RWJ                      Seq. Line :   14
Acq. Instrument : 3337G12416              Location  : Vial 14
Injection Date  : 10/11/2017 11:08:00 PM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```

```
=====
Totals without ISTD(s) :                   4.78755e-1
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
=====
*** End of Report ***
=====
```

ORGANIC ANALYSIS DATA SHEET

PW-1101DUP-100917

Laboratory:	<u>Pace Analytical - Madison</u>	SDG:	<u>A174105</u>
Client:	<u>Kennedy Jenks Consultants</u>	Project:	<u>Ashland Kenvil - Kenvil, NJ</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>A174105-02</u>
		File ID:	<u>024F2401.D.Report.TXT</u>
Sampled:	<u>10/09/17 11:15</u>	Prepared:	<u>10/11/17 13:31</u>
		Analyzed:	<u>10/12/17 02:18</u>
Solids:		Preparation:	<u>EPA 3511</u>
		Initial/Final:	<u>400 mL / 10 mL</u>
Batch:	<u>A710039</u>	Sequence:	<u>A7J1104</u>
		Calibration:	<u>A171009</u>
		Instrument:	<u>3336A52146</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
35572-78-2	2-Amino-4,6-dinitrotoluene	1	0.025	U
19406-51-0	4-Amino-2,6-dinitrotoluene	1	0.050	U
618-87-1	3,5-Dinitroaniline	1	0.025	U
99-65-0	1,3-Dinitrobenzene	1	0.025	U
606-20-2	2,6-Dinitrotoluene	1	0.25	
121-14-2	2,4-Dinitrotoluene	1	0.025	U
2691-41-0	HMX	1	0.025	U
55-63-0	Nitroglycerin [2C]	1	0.025	U
99-08-1	3-Nitrotoluene	1	0.10	CN, U
99-99-0	4-Nitrotoluene [2C]	1	0.25	CN, U
78-11-5	PETN	1	0.025	U
121-82-4	RDX	1	0.025	U
479-45-8	Tetryl	1	0.025	U
99-35-4	1,3,5-Trinitrobenzene	1	0.11	
118-96-7	2,4,6-Trinitrotoluene	1	0.025	U

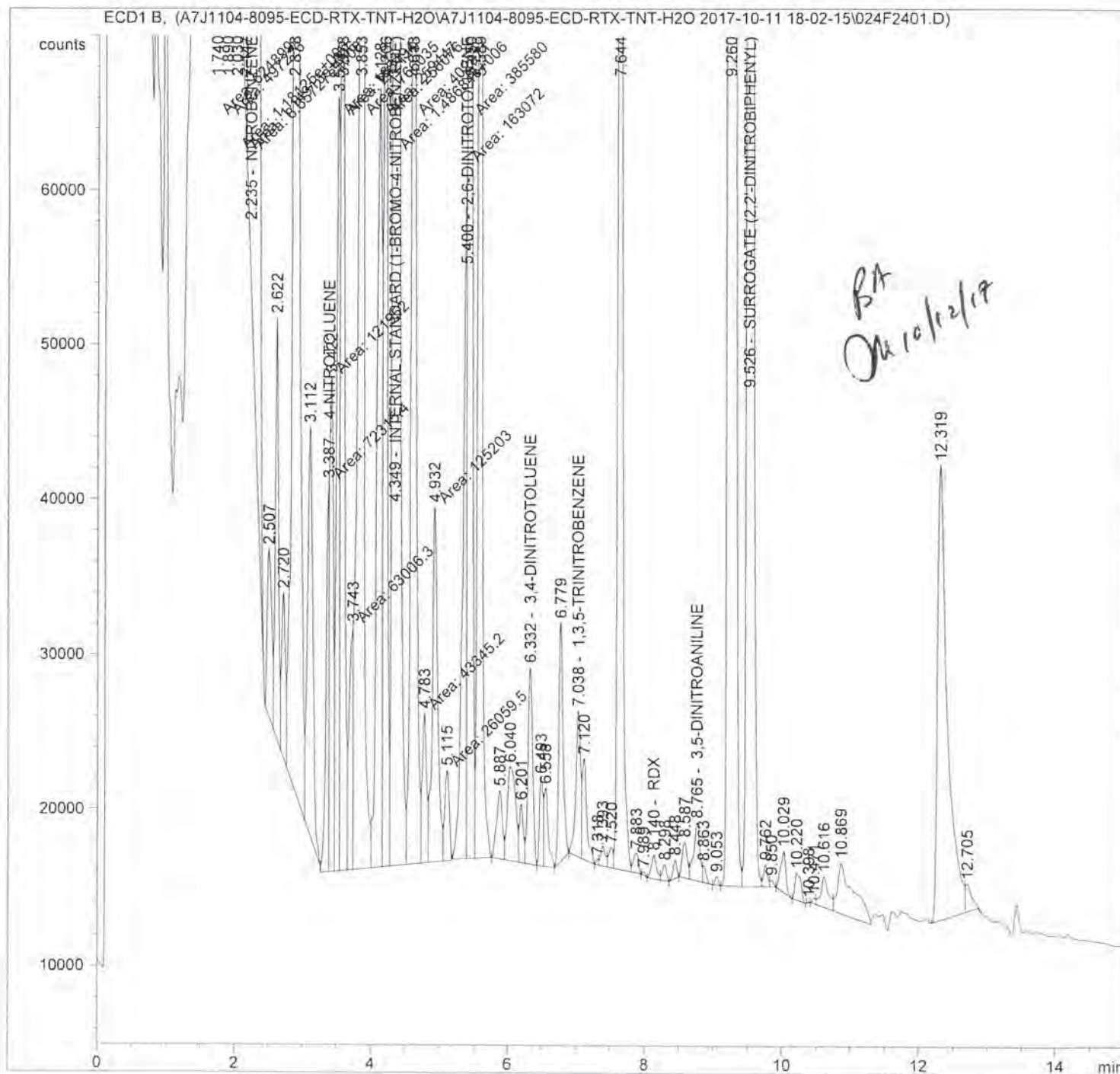
SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,2'-Dinitrobiphenyl	2.500	2.54	102	60 - 140	
2,2'-Dinitrobiphenyl [2C]	2.500	2.32	92.8	60 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1-Bromo-4-nitrobenzene	340532	4.349	182510	4.35	
1-Bromo-4-nitrobenzene [2C]	257003	3.792	100899	3.79	

=====

Acq. Operator	: RWJ	Seq. Line	: 24
Acq. Instrument	: 3336A52146	Location	: Vial 24
Injection Date	: 10/12/2017 2:18:13 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P), INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 24
Acq. Instrument	: 3336A52146	Location	: Vial 24
Injection Date	: 10/12/2017 2:18:13 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.235	1	FM	1	2.34549e6	8.67418	7.46818		NITROBENZENE
2.903	1		1	-	-	-		2-NITROTOLUENE
3.222	1		1	-	-	-		3-NITROTOLUENE
3.387	1	MF	1	2.50818e4	13.50575	1.24345e-1		4-NITROTOLUENE
4.349	1	MF +I	1	3.40532e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1		1	-	-	-		NITROGLYCERIN
5.258	1		1	-	-	-		1,3-DINITROBENZENE
5.400	1	MF	1	4.48062e4	6.01353e-1	9.89052e-3		2,6-DINITROTOLUENE
5.957	1		1	-	-	-		2,4-DINITROTOLUENE
6.332	1	VB	1	1.26749e4	4.97719e-1	2.31569e-3		3,4-DINITROTOLUENE
7.038	1	BV	1	9384.89941	1.33416	4.59610e-3		1,3,5-TRINITROBENZENE
7.206	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.831	1		1	-	-	-		PETN
8.140	1	BV	1	1514.70959	6.97068e-1	3.87576e-4		RDX
8.695	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.765	1	VV	1	3688.54614	4.79173e-1	6.48783e-4		3,5-DINITROANILINE
9.009	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.526	1	VV +	1	2.79836e5	9.89370e-1	1.01628e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.622	1		1	-	-	-		TETRYL
12.247	1		1	-	-	-		HMX

Totals without ISTD(s) : 7.71199

```
=====
Acq. Operator   : RWJ                      Seq. Line :   24
Acq. Instrument : 3336A52146              Location  : Vial 24
Injection Date  : 10/12/2017 2:18:13 AM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

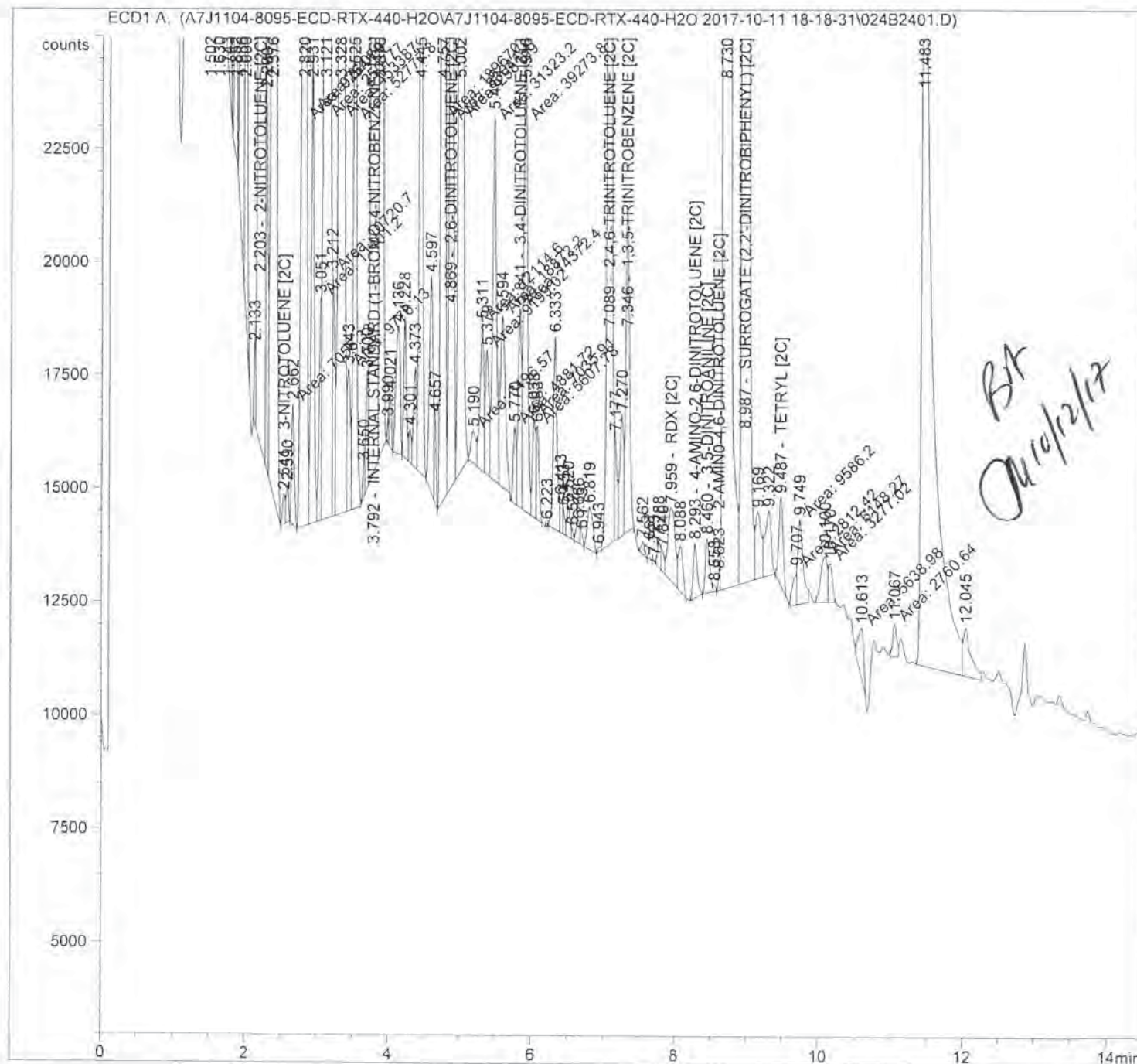
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
=====
*** End of Report ***
=====
```

```

Acq. Operator   : RWJ                               Seq. Line : 24
Acq. Instrument : 3337G12416                         Location  : Vial 24
Injection Date  : 10/12/2017 2:48:21 AM              Inj       : 1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.

```



=====

Acq. Operator	: RWJ	Seq. Line	: 24
Acq. Instrument	: 3337G12416	Location	: Vial 24
Injection Date	: 10/12/2017 2:48:21 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.559	1		1	-	-	-		NITROBENZENE [2C]
2.203	1	VV	1	1.16382e5	5.86726	3.32117e-1		2-NITROTOLUENE [2C]
2.541	1	BV	1	666.77881	4.37492	1.41881e-3		3-NITROTOLUENE [2C]
2.705	1		1	-	-	-		4-NITROTOLUENE [2C]
3.792	1	VV +I	1	2.57003e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.193	1		1	-	-	-		NITROGLYCERIN [2C]
4.869	1	MF	1	2.53114e4	6.26648e-1	7.71457e-3		2,6-DINITROTOLUENE [2C] - c
4.925	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.546	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.841	1	MF	1	4395.62988	5.75191e-1	1.22971e-3		3,4-DINITROTOLUENE [2C]
7.089	1	VV	1	5.89368e4	8.23780e-1	2.36139e-2		2,4,6-TRINITROTOLUENE [2C]
7.346	1	VB	1	7192.80762	1.58702	5.55202e-3		1,3,5-TRINITROBENZENE [2C] - c
7.414	1		1	-	-	-		PETN [2C]
7.959	1	VV	1	1611.37476	7.76694e-1	6.08720e-4		RDX [2C]
8.293	1	BB	1	1204.53247	9.09464e-1	5.32813e-4		4-AMINO-2,6-DINITROTOLUENE [2C]
8.460	1	EV	1	1205.39490	1.43511	8.41367e-4		3,5-DINITROANILINE [2C]
8.623	1	BV F	1	390.84027	8.75506e-1	1.66429e-4		2-AMINO-4,6-DINITROTOLUENE [2C]
8.987	1	VV +	1	1.97686e5	9.64854e-1	9.27703e-2		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.487	1	BB	1	1931.64966	6.33973	5.95621e-3		TETRYL [2C]
12.382	1		1	-	-	-		HMX [2C]

```
=====
Acq. Operator   : RWJ                      Seq. Line :   24
Acq. Instrument : 3337G12416              Location  : Vial 24
Injection Date  : 10/12/2017 2:48:21 AM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                4.72522e-1
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
=====
*** End of Report ***
```

PREPARATION BATCH SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A174105

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Batch: A710039

Batch Matrix: Water

Preparation: EPA 3511

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
PW-1101-100917	A174105-01	10/11/17 13:31	400.00	10.00
PW-1101DUP-100917	A174105-02	10/11/17 13:31	400.00	10.00
Blank	A710039-BLK1	10/11/17 13:31	400.00	10.00
LCS	A710039-BS1	10/11/17 13:31	400.00	10.00
PW-1101-100917	A710039-MS1	10/11/17 13:31	400.00	10.00
PW-1101-100917	A710039-MSD1	10/11/17 13:31	400.00	10.00

PREPARATION BENCH SHEET

A710039

Pace Analytical - Madison

intd: 10/11/2017 5:17:25PM

Matrix: Water

Prepared using: EXPLOSIVES-GCLC - EPA 3511

Surrogate used: A700214

Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	Spike uL	Surrogate uL	Sample Name	Extraction Comments
A174105-01	8095 ECD Full List	10/11/2017 13:31	400	10					PW-1101-100917	report to RL SAMPLES CONTAIN
A174105-02	8095 ECD Full List	10/11/2017 13:31	400	10					PW-1101IDUP-100917	report to RL SAMPLES CONTAIN
A710039-BLK1 QC		10/11/2017 13:31	400	10					Blank	
A710039-BS1 QC		10/11/2017 13:31	400	10	A701404		100	100	LCS	
A710039-MS1 QC		10/11/2017 13:31	400	10	A701404	A174105-01	100	100	Matrix Spike	
A710039-MSD1 QC		10/11/2017 13:31	400	10	A701404	A174105-01	100	100	Matrix Spike Dup	
Balance ID 24	Dispenser Checked? No	Turbovap Temperature Checked? NA	(VOCs Only) pH <2 NA							
Pipette Used NA	Repeater Used NA	Syringe(s) Used	SYR0010,SYR0223							

Reagents:

Standard Number	Description	Lot Number
A701125	Sodium Chloride	16J065213
A701267	Ethyl Acetate	57115

NOTE I.S. ADDED TO ALL SAMPLES PRIOR TO EXTRACTION 250 UL OF A701380 AT 5.0 UG/ML

used A701378 water as source for LCS AND BLANK. JT BAKER

Spiked By R. Johnson Date 11/06/17

Responsible Party R. Johnson Date 11/06/17

METHOD BLANK DATA SHEET

EPA 8095

Laboratory:	<u>Pace Analytical - Madison</u>	SDG:	<u>A174105</u>
Client:	<u>Kennedy Jenks Consultants</u>	Project:	<u>Ashland Kenvil - Kenvil, NJ</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>A710039-BLK1</u>
Prepared:	<u>10/11/17 13:31</u>	Preparation:	<u>EPA 3511</u>
Analyzed:	<u>10/11/17 22:00</u>	Instrument:	<u>3336A52146</u>
Batch:	<u>A710039</u>	Sequence:	<u>A7J1104</u>
		Calibration:	<u>A171009</u>
		File ID:	<u>012F1201.D.Report.TXT</u>
		Initial/Final:	<u>400 mL / 10 mL</u>

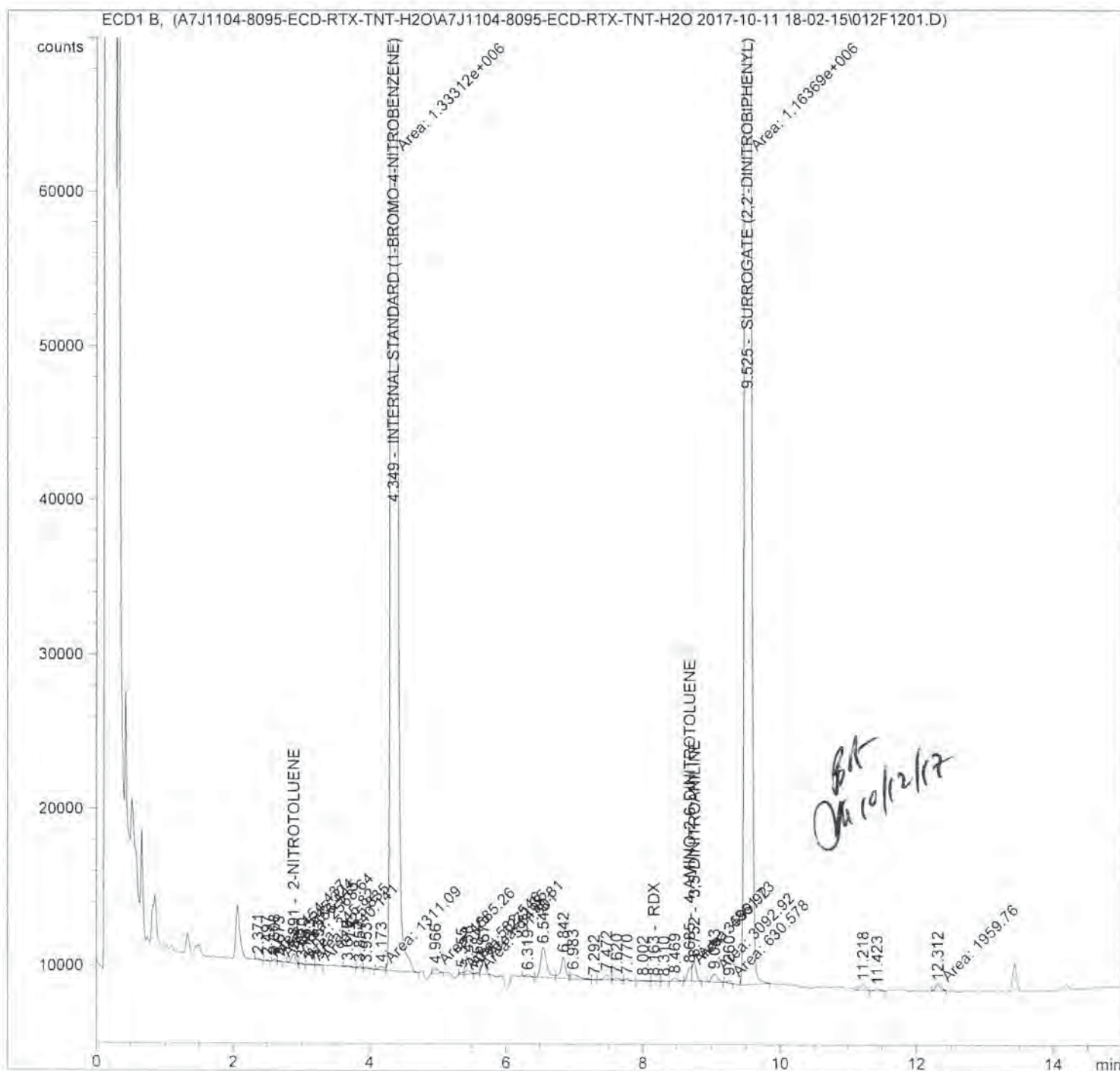
CAS NO.	COMPOUND	CONC. (ug/L)	Q
35572-78-2	2-Amino-4,6-dinitrotoluene	0.025	U
35572-78-2	2-Amino-4,6-dinitrotoluene [2C]	0.025	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U
19406-51-0	4-Amino-2,6-dinitrotoluene [2C]	0.050	U
618-87-1	3,5-Dinitroaniline	0.025	U
618-87-1	3,5-Dinitroaniline [2C]	0.025	U
99-65-0	1,3-Dinitrobenzene	0.025	U
99-65-0	1,3-Dinitrobenzene [2C]	0.025	U
606-20-2	2,6-Dinitrotoluene	0.025	U
606-20-2	2,6-Dinitrotoluene [2C]	0.025	U
121-14-2	2,4-Dinitrotoluene	0.025	U
121-14-2	2,4-Dinitrotoluene [2C]	0.025	U
2691-41-0	HMX	0.025	U
2691-41-0	HMX [2C]	0.025	U
55-63-0	Nitroglycerin [2C]	0.025	U
99-08-1	3-Nitrotoluene	0.025	U
99-08-1	3-Nitrotoluene [2C]	0.025	U
99-99-0	4-Nitrotoluene [2C]	0.025	U
78-11-5	PETN	0.025	U
78-11-5	PETN [2C]	0.025	U
121-82-4	RDX	0.025	U
121-82-4	RDX [2C]	0.025	U
479-45-8	Tetryl	0.025	U
479-45-8	Tetryl [2C]	0.025	U
99-35-4	1,3,5-Trinitrobenzene	0.025	U
99-35-4	1,3,5-Trinitrobenzene [2C]	0.025	U
118-96-7	2,4,6-Trinitrotoluene	0.025	U
118-96-7	2,4,6-Trinitrotoluene [2C]	0.025	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,2'-Dinitrobiphenyl	2.500	2.64	106	60 - 140	
2,2'-Dinitrobiphenyl [2C]	2.500	2.59	104	60 - 140	

METHOD BLANK DATA SHEET
EPA 8095

Laboratory: Pace Analytical - Madison SDG: A174105
Client: Kennedy Jenks Consultants Project: Ashland Kenvil - Kenvil, NJ
Matrix: Water Laboratory ID: A710039-BLK1 File ID: 012F1201.D.Report.TXT
Prepared: 10/11/17 13:31 Preparation: EPA 3511 Initial/Final: 400 mL / 10 mL
Analyzed: 10/11/17 22:00 Instrument: 3336A52146
Batch: A710039 Sequence: A7J1104 Calibration: A171009

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1-Bromo-4-nitrobenzene	321732	4.349	182510	4.348	
1-Bromo-4-nitrobenzene [2C]	184144	3.784	100899	3.785	

[illegible]

=====

Acq. Operator	: RWJ	Seq. Line	: 12
Acq. Instrument	: 3336A52146	Location	: Vial 12
Injection Date	: 10/11/2017 10:00:02 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.215	1		1	-	-	-		NITROBENZENE
2.891	1	MF	1	622.29236	15.15384	3.66381e-3		2-NITROTOLUENE <i>pc</i>
3.221	1		1	-	-	-		3-NITROTOLUENE
3.368	1		1	-	-	-		4-NITROTOLUENE
4.349	1	FM +I	1	3.21732e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.633	1		1	-	-	-		NITROGLYCERIN
5.258	1		1	-	-	-		1,3-DINITROBENZENE
5.390	1		1	-	-	-		2,6-DINITROTOLUENE
5.956	1		1	-	-	-		2,4-DINITROTOLUENE
6.351	1		1	-	-	-		3,4-DINITROTOLUENE
7.038	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.205	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.830	1		1	-	-	-		PETN
8.163	1	VV	1	54.00019	6.65503e-1	1.39624e-5		RDX <i>pc</i>
8.685	1	MF	1	879.16583	4.59492e-1	1.56951e-4		4-AMINO-2,6-DINITROTOLUENE ✓
8.752	1	FM	1	1235.71545	3.94711e-1	1.89502e-4		3,5-DINITROANILINE
9.007	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.525	1	MM +	1	2.73853e5	9.91918e-1	1.05538e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.620	1		1	-	-	-		TETRYL
12.245	1		1	-	-	-		HMX

Totals without ISTD(s) : 1.09562e-1

```
=====
Acq. Operator   : RWJ                      Seq. Line :   12
Acq. Instrument : 3336A52146              Location  : Vial 12
Injection Date  : 10/11/2017 10:00:02 PM   Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

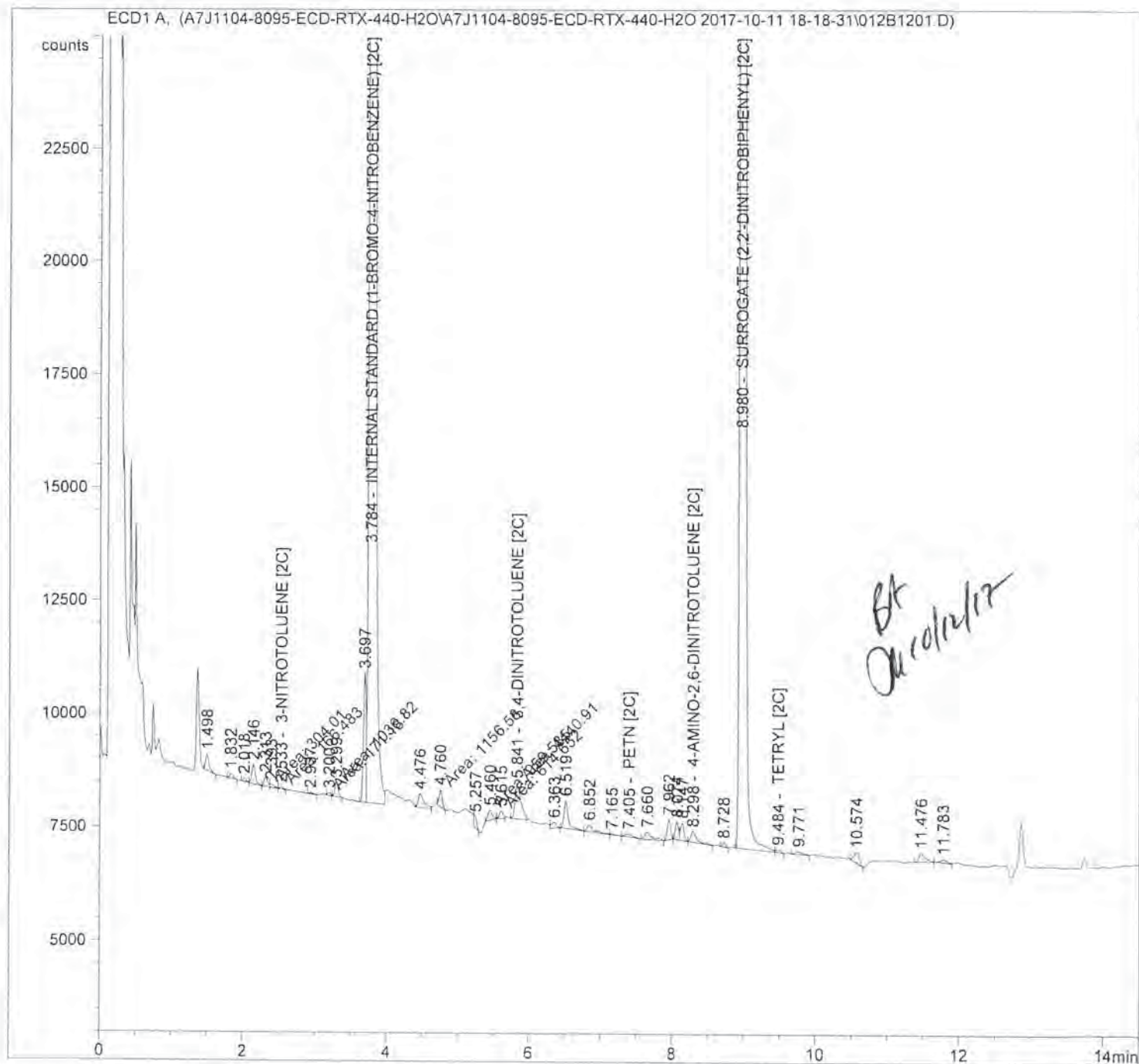
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
=====
*** End of Report ***
=====
```

=====

Acq. Operator	: RWJ	Seq. Line	: 12
Acq. Instrument	: 3337G12416	Location	: Vial 12
Injection Date	: 10/11/2017 10:24:03 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:13:58 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 12
Acq. Instrument	: 3337G12416	Location	: Vial 12
Injection Date	: 10/11/2017 10:24:03 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:13:58 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:13:59 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD ISTD Amount Name

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.556	1		1	-	-	-		NITROBENZENE [2C]
2.198	1		1	-	-	-		2-NITROTOLUENE [2C]
2.533	1	FM	1	42.00485	3.98386	1.13594e-4		3-NITROTOLUENE [2C] <i>sc</i>
2.699	1		1	-	-	-		4-NITROTOLUENE [2C]
3.784	1	VV +I	1	1.84144e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.186	1		1	-	-	-		NITROGLYCERIN [2C]
4.863	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.918	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.539	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.841	1	MM	1	779.97479	5.23773e-1	2.77317e-4		3,4-DINITROTOLUENE [2C] <i>sc</i>
7.095	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.337	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.405	1	BB	1	66.16209	1.04892	4.71092e-5		PETN [2C] <i>sc</i>
7.934	1		1	-	-	-		RDX [2C]
8.298	1	BB	1	230.76871	8.46479e-1	1.32601e-4		4-AMINO-2,6-DINITROTOLUENE [2C] ✓
8.449	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.611	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.980	1	BV +	1	1.57826e5	9.67005e-1	1.03600e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.484	1	VB	1	60.49921	15.05993	6.18480e-4		TETRYL [2C]
12.374	1		1	-	-	-		HMX [2C]

Om 10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :   12
Acq. Instrument : 3337G12416              Location  : Vial 12
Injection Date  : 10/11/2017 10:24:03 PM   Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                1.04789e-1
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
=====
*** End of Report ***
=====
```

LCS / LCS DUPLICATE RECOVERY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Matrix: Water
 Batch: A710039
 Preparation: EPA 3511

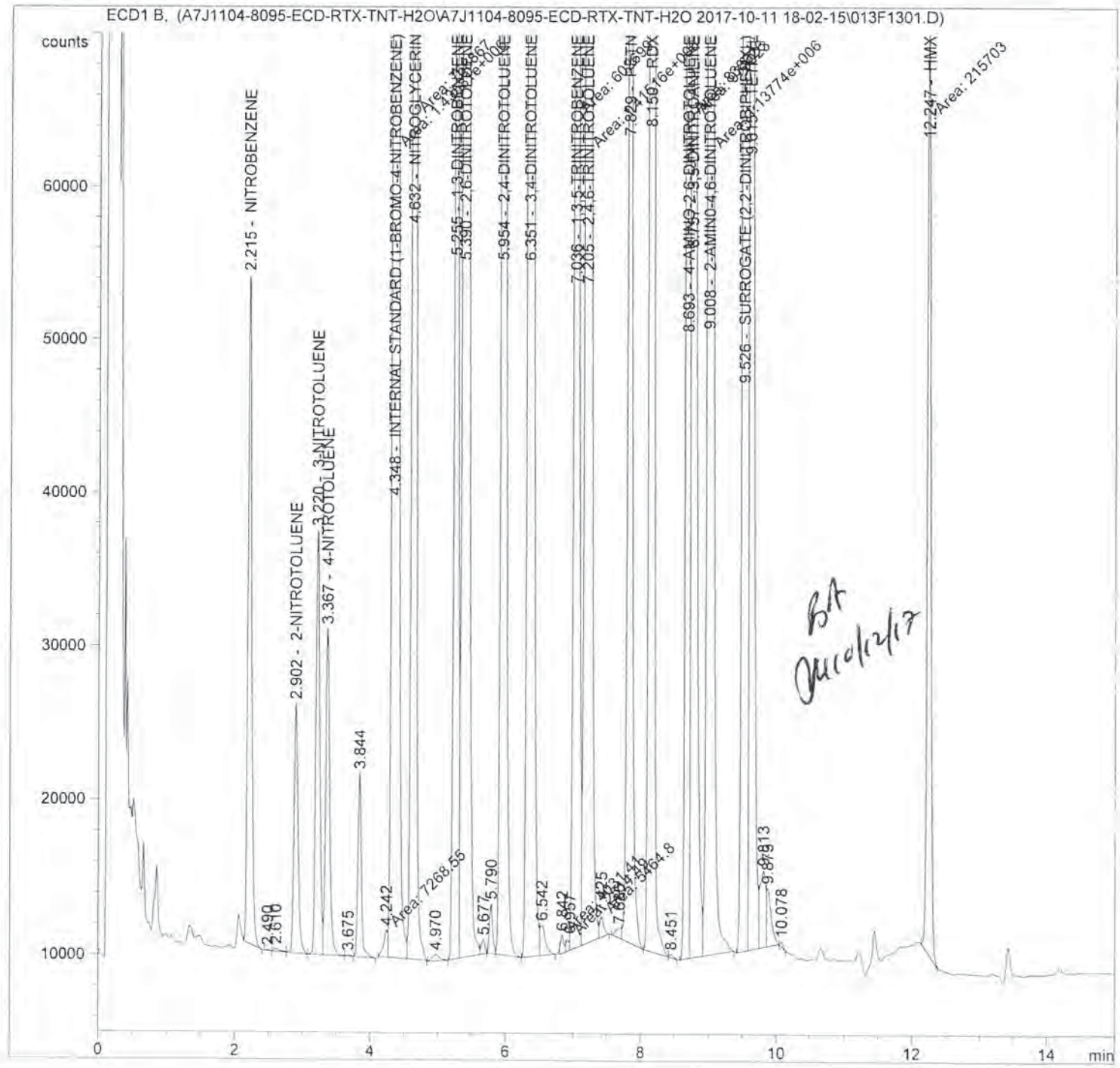
SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Laboratory ID: A710039-BS1
 Initial/Final: 400 mL / 10 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Amino-4,6-dinitrotoluene	2.500	2.33	93.3	70 - 130
2-Amino-4,6-dinitrotoluene [2C]	2.500	2.38	95.4	70 - 130
4-Amino-2,6-dinitrotoluene	2.500	2.34	93.7	70 - 130
4-Amino-2,6-dinitrotoluene [2C]	2.500	2.46	98.4	70 - 130
3,5-Dinitroaniline	2.500	2.21	88.5	70 - 130
3,5-Dinitroaniline [2C]	2.500	2.39	95.5	70 - 130
1,3-Dinitrobenzene	2.500	2.23	89.3	70 - 130
1,3-Dinitrobenzene [2C]	2.500	2.02	80.9	70 - 130
2,6-Dinitrotoluene	2.500	2.28	91.3	70 - 130
2,6-Dinitrotoluene [2C]	2.500	2.37	94.7	70 - 130
2,4-Dinitrotoluene	2.500	2.20	87.9	70 - 130
2,4-Dinitrotoluene [2C]	2.500	2.35	93.9	70 - 130
HMX	2.500	2.34	93.7	70 - 130
HMX [2C]	2.500	2.53	101	70 - 130
Nitroglycerin [2C]	2.500	2.47	98.8	70 - 130
3-Nitrotoluene	2.500	2.53	101	70 - 130
3-Nitrotoluene [2C]	2.500	2.55	102	70 - 130
4-Nitrotoluene [2C]	2.500	2.57	103	70 - 130
PETN	2.500	2.29	91.4	70 - 130
PETN [2C]	2.500	2.49	99.7	70 - 130
RDX	2.500	2.27	91.0	70 - 130
RDX [2C]	2.500	2.49	99.7	70 - 130
Tetryl	2.500	2.34	93.7	70 - 130
Tetryl [2C]	2.500	2.59	104	70 - 130
1,3,5-Trinitrobenzene	2.500	2.29	91.5	70 - 130
1,3,5-Trinitrobenzene [2C]	2.500	2.44	97.6	70 - 130
2,4,6-Trinitrotoluene	2.500	2.69	107	70 - 130
2,4,6-Trinitrotoluene [2C]	2.500	2.80	112	70 - 130

=====

Acq. Operator	: RWJ	Seq. Line	: 13
Acq. Instrument	: 3336A52146	Location	: Vial 13
Injection Date	: 10/11/2017 10:21:29 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPITTER LINER USING A GOLD SEAL.		

=====



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Acq. Operator	: RWJ	Seq. Line	: 13
Acq. Instrument	: 3336A52146	Location	: Vial 13
Injection Date	: 10/11/2017 10:21:29 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime	Sig	Type	ISTD	Height	Amt/Height	Amount	Grp	Name
[min]			used	[counts]	ratio			
2.215	1	BB	1	4.34356e4	6.04822	9.43998e-2		NITROBENZENE
2.902	1	VB	1	1.61096e4	17.67682	1.02326e-1		2-NITROTOLUENE
3.220	1	BV	1	2.74982e4	10.26112	1.01390e-1		3-NITROTOLUENE
3.367	1	VV	1	2.11213e4	13.45459	1.02115e-1		4-NITROTOLUENE
4.348	1	FM +I	1	3.47866e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.632	1	FM	1	2.18947e5	1.19067	9.36758e-2		NITROGLYCERIN
5.255	1	BV	1	8.52245e4	2.91715	8.93348e-2		1,3-DINITROBENZENE
5.390	1	VV	1	3.27037e5	7.77061e-1	9.13167e-2		2,6-DINITROTOLUENE
5.954	1	VB	1	1.78200e5	1.37246	8.78834e-2		2,4-DINITROTOLUENE
6.351	1	BV	1	3.62879e5	7.25811e-1	9.46418e-2		3,4-DINITROTOLUENE
7.036	1	FM	1	1.42814e5	1.78317	9.15085e-2		1,3,5-TRINITROBENZENE
7.205	1	MF	1	3.33818e5	8.95750e-1	1.07447e-1		2,4,6-TRINITROTOLUENE
7.829	1	VB	1	1.07711e5	2.36229	9.14307e-2		PETN
8.150	1	BV	1	3.36638e5	7.52194e-1	9.09895e-2		RDX
8.693	1	MF	1	2.35212e5	1.10872	9.37084e-2		4-AMINO-2,6-DINITROTOLUENE
8.757	1	FM	1	2.36850e5	1.03953	8.84722e-2		3,5-DINITROANILINE
9.008	1	FM	1	2.70142e5	9.60830e-1	9.32687e-2		2-AMINO-4,6-DINITROTOLUENE
9.526	1	BV +	1	2.84131e5	9.88931e-1	1.00968e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.615	1	VV	1	1.31396e5	1.98478	9.37116e-2		TETRYL
12.247	1	MM	1	6.02179e4	4.32881	9.36681e-2		HMX

Totals without ISTD(s) : 1.80226

```
=====
Acq. Operator   : RWJ                      Seq. Line :   13
Acq. Instrument : 3336A52146              Location  : Vial 13
Injection Date  : 10/11/2017 10:21:29 PM   Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

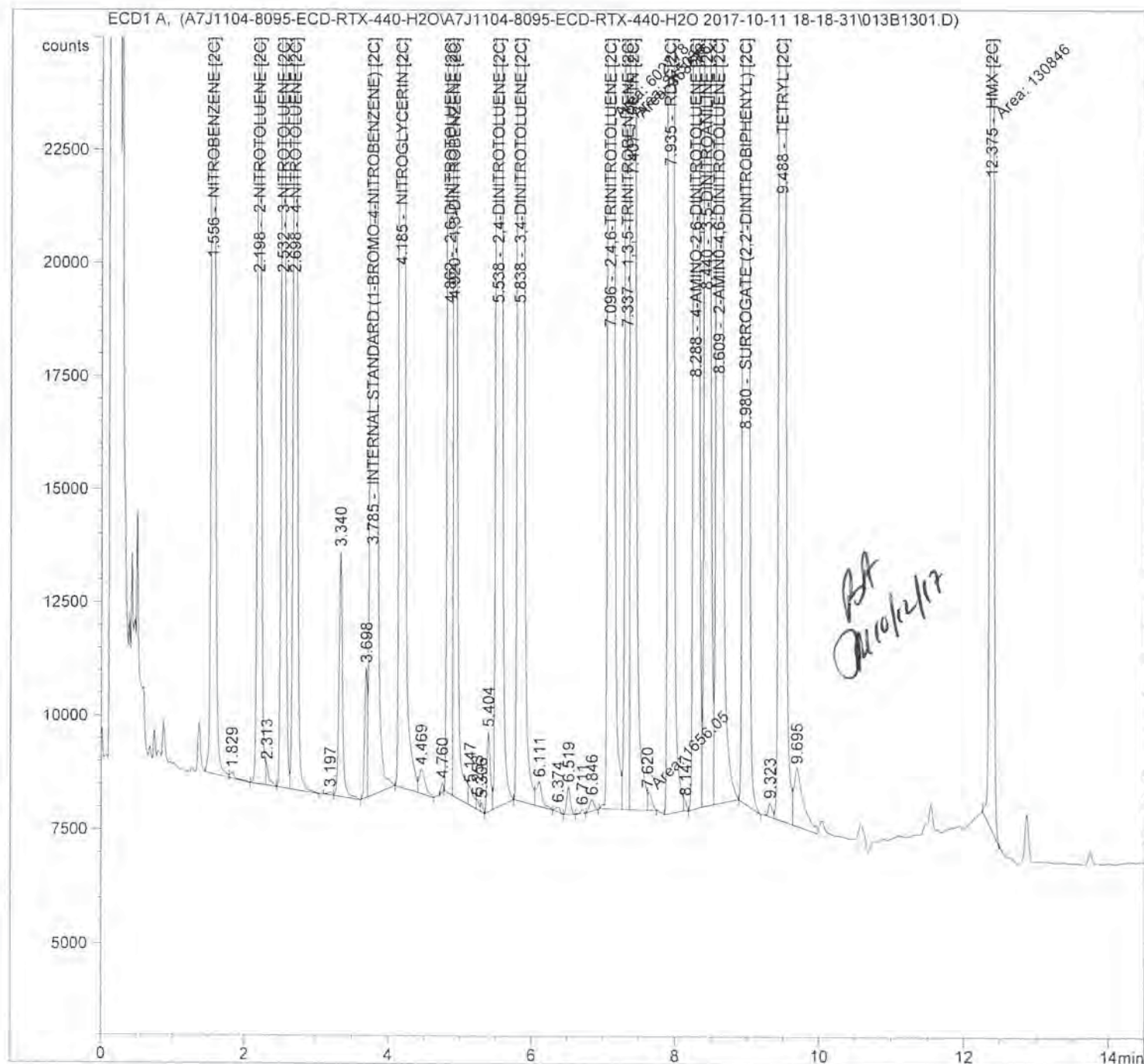
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 13
Acq. Instrument	: 3337G12416	Location	: Vial 13
Injection Date	: 10/11/2017 10:45:59 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:27:41 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 13
Acq. Instrument	: 3337G12416	Location	: Vial 13
Injection Date	: 10/11/2017 10:45:59 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD #	ISTD Amount	Name
--------	-------------	------

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.556	1	BV	1	3.89749e4	3.69367	9.65826e-2		NITROBENZENE [2C]
2.198	1	BV	1	2.68940e4	5.61962	1.01396e-1		2-NITROTOLUENE [2C]
2.532	1	VV	1	2.96455e4	5.12650	1.01961e-1		3-NITROTOLUENE [2C]
2.698	1	VB	1	3.14672e4	4.86759	1.02761e-1		4-NITROTOLUENE [2C]
3.785	1	VB +I	1	1.86318e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.185	1	BV	1	1.96298e5	7.50112e-1	9.87867e-2		NITROGLYCERIN [2C]
4.862	1	BV	1	1.85000e5	7.63191e-1	9.47243e-2		2,6-DINITROTOLUENE [2C]
4.920	1	VV B	1	5.75048e4	2.09772	8.09296e-2		1,3-DINITROBENZENE [2C]
5.538	1	VB	1	9.82341e4	1.42523	9.39297e-2		2,4-DINITROTOLUENE [2C]
5.838	1	BV	1	1.92962e5	7.57499e-1	9.80644e-2		3,4-DINITROTOLUENE [2C]
7.096	1	MF	1	1.88106e5	8.88663e-1	1.12149e-1		2,4,6-TRINITROTOLUENE [2C]
7.337	1	MF	1	8.23747e4	1.76634	9.76168e-2		1,3,5-TRINITROBENZENE [2C]
7.407	1	FM	1	1.10971e5	1.33850	9.96517e-2		PETN [2C]
7.935	1	BV	1	2.22181e5	6.68595e-1	9.96613e-2		RDX [2C]
8.288	1	BV	1	1.23235e5	1.19055	9.84322e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.440	1	VV	1	1.12462e5	1.26624	9.55384e-2		3,5-DINITROANILINE [2C]
8.609	1	VB	1	1.38633e5	1.02549	9.53795e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.980	1	BB +	1	1.62785e5	9.67388e-1	1.05650e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.488	1	VV	1	7.27039e4	2.12784	1.03789e-1		TETRYL [2C]
12.375	1	MM	1	4.43757e4	3.40376	1.01335e-1		HMX [2C]

Handwritten signature

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=====
Acq. Operator   : RWJ                      Seq. Line :   13
Acq. Instrument : 3337G12416              Location  : Vial 13
Injection Date  : 10/11/2017 10:45:59 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                      1.87834
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8095

PW-1101-100917

Laboratory: Pace Analytical - Madison

SDG: A174105

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

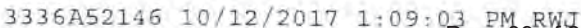
Matrix: Water

Batch: A710039

% Solids:

Source Sample Name: A174105-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
2-Amino-4,6-dinitrotoluene	2.500	ND	2.35	94.2		70 - 130
2-Amino-4,6-dinitrotoluene [2C]	2.500	0.00609	2.04	81.3		70 - 130
4-Amino-2,6-dinitrotoluene	2.500	ND	2.41	96.5		70 - 130
4-Amino-2,6-dinitrotoluene [2C]	2.500	0.0150	2.11	83.9		70 - 130
3,5-Dinitroaniline	2.500	0.0199	2.40	95.2		70 - 130
3,5-Dinitroaniline [2C]	2.500	0.0207	2.03	80.4		70 - 130
1,3-Dinitrobenzene	2.500	ND	2.27	91.0		70 - 130
1,3-Dinitrobenzene [2C]	2.500	ND	2.40	95.9		70 - 130
2,6-Dinitrotoluene	2.500	0.242	2.60	94.3		70 - 130
2,6-Dinitrotoluene [2C]	2.500	0.197	2.19	79.6		70 - 130
2,4-Dinitrotoluene	2.500	ND	2.26	90.2		70 - 130
2,4-Dinitrotoluene [2C]	2.500	ND	2.04	81.6		70 - 130
HMX	2.500	ND	2.98	119		70 - 130
HMX [2C]	2.500	ND	2.36	94.5		70 - 130
Nitroglycerin [2C]	2.500	ND	1.94	77.5		70 - 130
3-Nitrotoluene	2.500	ND	2.21	88.4		70 - 130
3-Nitrotoluene [2C]	2.500	0.0411	2.06	80.8		70 - 130
4-Nitrotoluene [2C]	2.500	ND	2.13	85.2		70 - 130
PETN	2.500	ND	2.23	89.0		70 - 130
PETN [2C]	2.500	ND	1.97	78.8		70 - 130
RDX	2.500	0.0111	2.28	90.8		70 - 130
RDX [2C]	2.500	0.0149	2.04	81.1		70 - 130
Tetryl	2.500	ND	2.47	98.8		70 - 130
Tetryl [2C]	2.500	0.134	2.35	88.7		70 - 130
1,3,5-Trinitrobenzene	2.500	0.125	2.46	93.4		70 - 130
1,3,5-Trinitrobenzene [2C]	2.500	0.151	2.26	84.5		70 - 130
2,4,6-Trinitrotoluene	2.500	0.00415	2.79	112		70 - 130
2,4,6-Trinitrotoluene [2C]	2.500	0.537	2.88	93.7		70 - 130



=====

Acq. Operator	: RWJ	Seq. Line	: 17
Acq. Instrument	: 3336A52146	Location	: Vial 17
Injection Date	: 10/11/2017 11:47:36 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

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Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

① interferences

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.233	1	FM	1	2.05731e6	8.63179	7.03763	①	NITROBENZENE — "m" CW
2.903	1	FM	1	1.15291e5	19.53956	8.92761e-1	①	2-NITROTOLUENE — "m" CW
3.219	1	VB	1	2.19358e4	10.17312	8.84370e-2		3-NITROTOLUENE
3.371	1	MF	1	3.96247e4	13.64816	2.14321e-1	①	4-NITROTOLUENE — "m" CW
4.350	1	MF +I	1	3.15416e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.629	1	MF	1	2.69472e5	1.21960	1.30244e-1		NITROGLYCERIN
5.257	1	MF	1	7.85544e4	2.92154	9.09511e-2		1,3-DINITROBENZENE
5.392	1	FM	1	3.32482e5	7.88740e-1	1.03927e-1		2,6-DINITROTOLUENE
5.956	1	VB	1	1.65327e5	1.37694	9.02165e-2		2,4-DINITROTOLUENE
6.352	1	BV	1	3.45272e5	7.29781e-1	9.98572e-2		3,4-DINITROTOLUENE
7.038	1	MF	1	1.38301e5	1.79581	9.84267e-2		1,3,5-TRINITROBENZENE
7.206	1	MF	1	3.13625e5	8.99083e-1	1.11747e-1		2,4,6-TRINITROTOLUENE
7.829	1	MF	1	9.53296e4	2.35580	8.90004e-2		PETN
8.149	1	MF	1	3.05917e5	7.52217e-1	9.11953e-2		RDX
8.694	1	MF	1	2.18809e5	1.11327	9.65368e-2		4-AMINO-2,6-DINITROTOLUENE
8.756	1	FM	1	2.30050e5	1.05299	9.60000e-2		3,5-DINITROANILINE
9.009	1	FM	1	2.46952e5	9.62059e-1	9.41541e-2		2-AMINO-4,6-DINITROTOLUENE
9.526	1	MF +	1	2.75095e5	9.93685e-1	1.08332e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.615	1	FM	1	1.27430e5	1.95555	9.87566e-2		TETRYL
12.247	1	MF	1	6.95709e4	4.31922	1.19085e-1		HMX

10/12/17

Totals without ISTD(s) : 9.75158

Sample Name: A710039-MS1

```
=====
Acq. Operator   : RWJ                               Seq. Line :   17
Acq. Instrument : 3336A52146                         Location  : Vial 17
Injection Date  : 10/11/2017 11:47:36 PM              Inj       :    1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

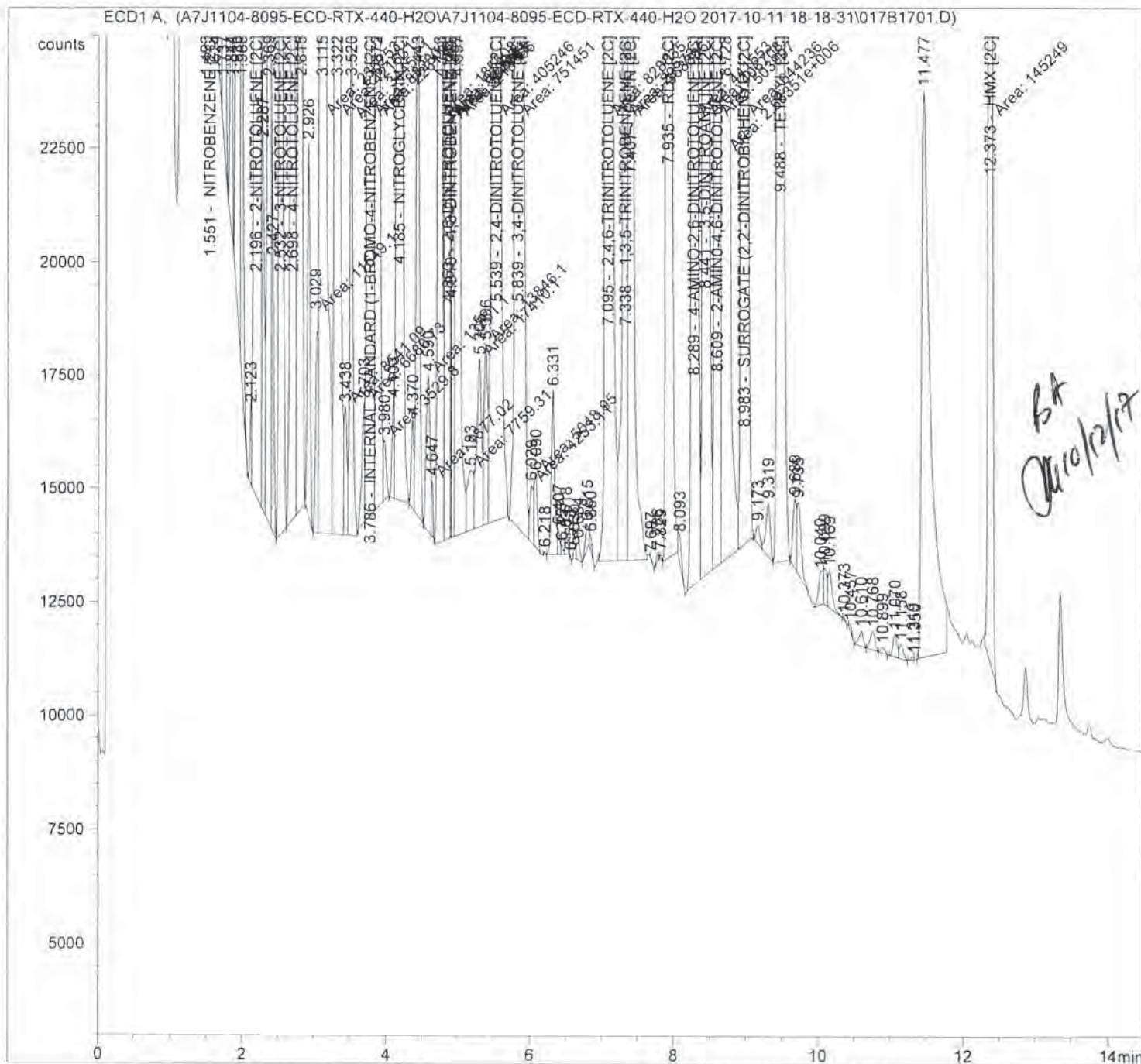
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 17
Acq. Instrument	: 3337G12416	Location	: Vial 17
Injection Date	: 10/12/2017 12:14:05 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:27:41 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 17
Acq. Instrument	: 3337G12416	Location	: Vial 17
Injection Date	: 10/12/2017 12:14:05 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD #	ISTD Amount	Name
--------	-------------	------

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.551	1	VV	1	4.81392e4	3.69320	9.63426e-2		NITROBENZENE [2C]
2.196	1	VV	1	1.28651e5	5.91354	4.12265e-1		2-NITROTOLUENE [2C]
2.532	1	BB	1	2.99253e4	5.08635	8.24823e-2		3-NITROTOLUENE [2C]
2.698	1	BV	1	3.24052e4	4.85230	8.52075e-2		4-NITROTOLUENE [2C]
3.786	1	FM +I	1	2.30671e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.185	1	VB	1	1.90166e5	7.52046e-1	7.74987e-2		NITROGLYCERIN [2C]
4.863	1	MF	1	2.12852e5	7.58433e-1	8.74804e-2		2,6-DINITROTOLUENE [2C]
4.910	1	FM	1	8.41035e4	2.10368	9.58758e-2		1,3-DINITROBENZENE [2C]
5.539	1	FM	1	1.06392e5	1.41507	8.15841e-2		2,4-DINITROTOLUENE [2C]
5.839	1	MF	1	2.12322e5	7.51529e-1	8.64683e-2		3,4-DINITROTOLUENE [2C]
7.095	1	MF	1	2.38821e5	8.89808e-1	1.15156e-1		2,4,6-TRINITROTOLUENE [2C]
7.338	1	FM	1	9.48891e4	1.76141	9.05717e-2		1,3,5-TRINITROBENZENE [2C]
7.407	1	FM	1	1.09421e5	1.32852	7.87744e-2		PETN [2C]
7.935	1	BV	1	2.24192e5	6.72512e-1	8.17025e-2		RDX [2C]
8.289	1	MF	1	1.32001e5	1.18120	8.44924e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.441	1	FM	1	1.17909e5	1.27168	8.12529e-2		3,5-DINITROANILINE [2C]
8.609	1	MF	1	1.47280e5	1.02149	8.15254e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.983	1	FM +	1	1.83580e5	9.65531e-1	9.60522e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.488	1	BB	1	7.85562e4	2.20943	9.40538e-2		TETRYL [2C]
12.373	1	MM	1	5.01430e4	3.47875	9.45257e-2		HMX [2C]

$$\frac{(0.412 - 0.336)}{9.412 - 9.336} = 0.01$$

Handwritten notes:
11/10/17
OK

Handwritten signature:
10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :   17
Acq. Instrument : 3337G12416              Location  : Vial 17
Injection Date  : 10/12/2017 12:14:05 AM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                2.00331
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8095

PW-1101-100917

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Matrix: Water
 Batch: A710039

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ

% Solids:

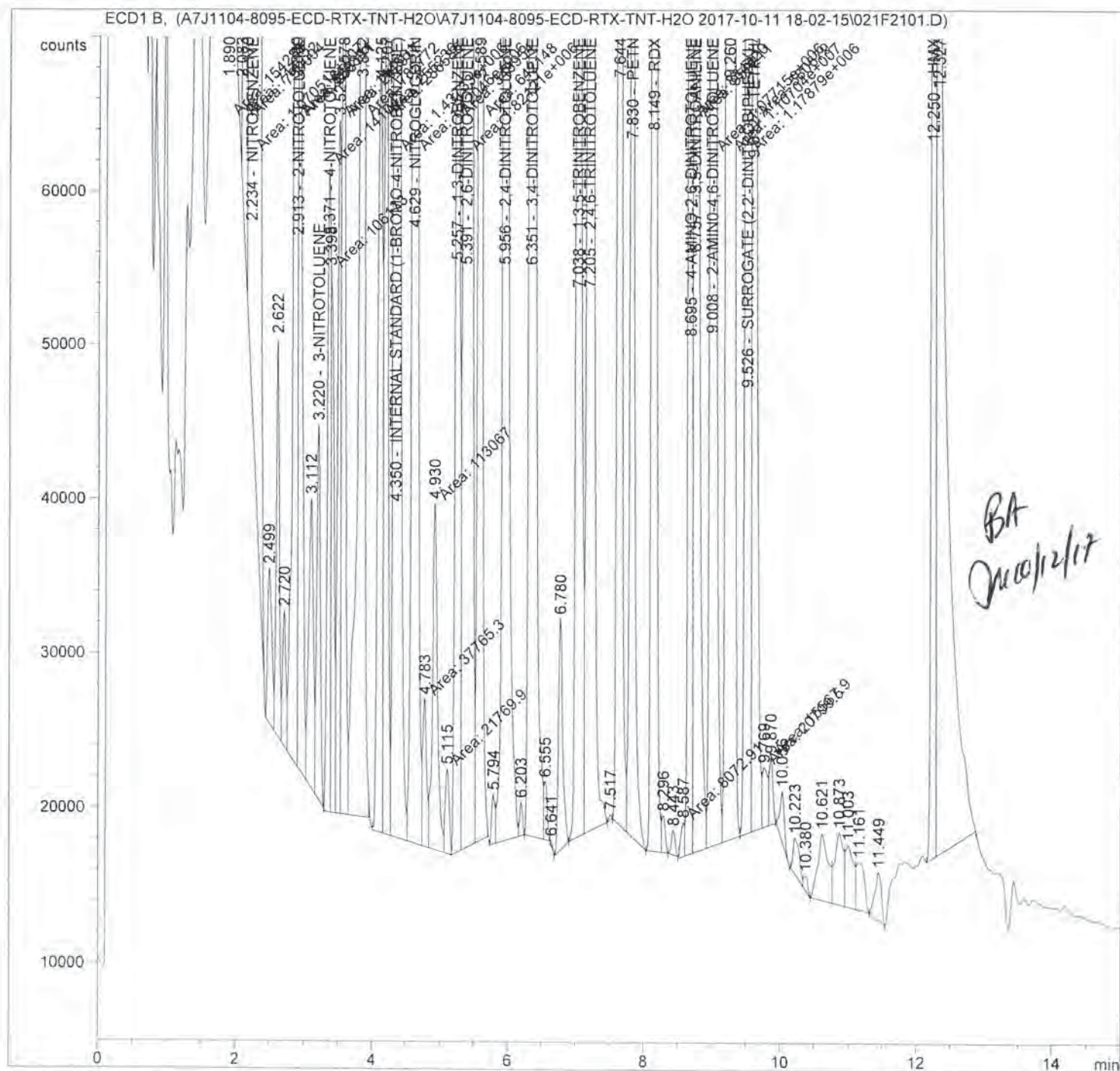
Source Sample Name: A174105-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
2-Amino-4,6-dinitrotoluene	2.500	2.28	91.2	3.13		20	70 - 130
2-Amino-4,6-dinitrotoluene [2C]	2.500	2.14	85.4	4.88		20	70 - 130
4-Amino-2,6-dinitrotoluene	2.500	2.33	93.3	3.42		20	70 - 130
4-Amino-2,6-dinitrotoluene [2C]	2.500	2.15	85.4	1.76		20	70 - 130
3,5-Dinitroaniline	2.500	2.32	92.0	3.42		20	70 - 130
3,5-Dinitroaniline [2C]	2.500	2.12	84.0	4.29		20	70 - 130
1,3-Dinitrobenzene	2.500	2.21	88.5	2.78		20	70 - 130
1,3-Dinitrobenzene [2C]	2.500	2.58	103	7.54		20	70 - 130
2,6-Dinitrotoluene	2.500	2.56	92.8	1.40		20	70 - 130
2,6-Dinitrotoluene [2C]	2.500	2.24	81.6	2.25		20	70 - 130
2,4-Dinitrotoluene	2.500	2.20	88.2	2.30		20	70 - 130
2,4-Dinitrotoluene [2C]	2.500	2.10	84.2	3.11		20	70 - 130
HMX	2.500	3.06	122	2.72		20	70 - 130
HMX [2C]	2.500	2.34	93.5	1.04		20	70 - 130
Nitroglycerin [2C]	2.500	1.97	78.9	1.78		20	70 - 130
3-Nitrotoluene	2.500	2.30	92.1	4.06		20	70 - 130
3-Nitrotoluene [2C]	2.500	2.09	81.8	1.14		20	70 - 130
4-Nitrotoluene [2C]	2.500	2.15	86.0	0.884		20	70 - 130
PETN	2.500	2.08	83.2	6.70		20	70 - 130
PETN [2C]	2.500	2.10	83.8	6.19		20	70 - 130
RDX	2.500	2.20	87.6	3.50		20	70 - 130
RDX [2C]	2.500	2.09	83.0	2.24		20	70 - 130
Tetryl	2.500	2.44	97.7	1.09		20	70 - 130
Tetryl [2C]	2.500	2.43	91.7	3.15		20	70 - 130
1,3,5-Trinitrobenzene	2.500	2.35	89.0	4.56		20	70 - 130
1,3,5-Trinitrobenzene [2C]	2.500	2.30	86.0	1.60		20	70 - 130
2,4,6-Trinitrotoluene	2.500	2.65	106	5.20		20	70 - 130
2,4,6-Trinitrotoluene [2C]	2.500	3.14	104	8.62		20	70 - 130

=====

Acq. Operator	: RWJ	Seq. Line	: 21
Acq. Instrument	: 3336A52146	Location	: Vial 21
Injection Date	: 10/12/2017 1:13:45 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====



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Acq. Operator	: RWJ	Seq. Line	: 21
Acq. Instrument	: 3336A52146	Location	: Vial 21
Injection Date	: 10/12/2017 1:13:45 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
#		

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
---	------------	--

Quantification with that spike added to interference

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.234	1	FM	1	3.02310e6	8.88637	10.01020	1	NITROBENZENE ^{"m" "CN"}
2.913	1	FM	1	1.06987e5	19.41077	7.73820e-1	1	2-NITROTOLUENE ^{"m" "CN"}
3.220	1	VB	1	2.42357e4	10.19921	9.21060e-2		3-NITROTOLUENE
3.371	1	MF	1	4.18386e4	13.64622	2.12743e-1	1	4-NITROTOLUENE ^{"m" "CN"}
4.350	1	FM +I	1	3.35463e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.629	1	FM	1	2.76985e5	1.21634	1.25538e-1		NITROGLYCERIN
5.257	1	MF	1	8.14475e4	2.91474	8.84593e-2		1,3-DINITROBENZENE
5.391	1	FM	1	3.49261e5	7.87468e-1	1.02482e-1		2,6-DINITROTOLUENE
5.956	1	VV	1	1.72323e5	1.37300	8.81615e-2		2,4-DINITROTOLUENE
6.351	1	BV	1	3.53549e5	7.26654e-1	9.57288e-2		3,4-DINITROTOLUENE
7.038	1	BV	1	1.41152e5	1.78788	9.40356e-2		1,3,5-TRINITROBENZENE
7.205	1	VB	1	3.18226e5	8.94671e-1	1.06088e-1		2,4,6-TRINITROTOLUENE
7.830	1	VB	1	9.54700e4	2.33974	8.32337e-2		PETN
8.149	1	BV	1	3.14328e5	7.51850e-1	8.80602e-2		RDX
8.695	1	MF	1	2.25955e5	1.10804	9.32915e-2		4-AMINO-2,6-DINITROTOLUENE
8.757	1	FM	1	2.37715e5	1.04733	9.27694e-2		3,5-DINITROANILINE
9.008	1	MF	1	2.55626e5	9.57988e-1	9.12494e-2		2-AMINO-4,6-DINITROTOLUENE
9.526	1	MF +	1	2.78833e5	9.90196e-1	1.02880e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.612	1	FM	1	1.33650e5	1.96158	9.76877e-2		TETRYL
12.250	1	BV	1	7.60495e4	4.31813	1.22365e-1		HMX

Totals without ISTD(s) : 12.56090

OK 10/14/17

Sample Name: A710039-MSD1

```
=====
Acq. Operator   : RWJ                      Seq. Line :   21
Acq. Instrument : 3336A52146              Location  : Vial 21
Injection Date  : 10/12/2017 1:13:45 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

[illegible]

=====

Acq. Operator	: RWJ	Seq. Line	: 21
Acq. Instrument	: 3337G12416	Location	: Vial 21
Injection Date	: 10/12/2017 1:42:33 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.555	1	VV	1	4.76586e4	3.69476	9.71530e-2		NITROBENZENE [2C]
2.200	1	MF	1	1.26798e5	5.91432	4.13757e-1		2-NITROTOLUENE [2C]
2.536	1	BB	1	2.97166e4	5.08850	8.34291e-2		3-NITROTOLUENE [2C]
2.702	1	MF	1	3.21053e4	4.85302	8.59643e-2		4-NITROTOLUENE [2C]
3.789	1	MF +I	1	2.26559e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.188	1	VV	1	1.90160e5	7.51905e-1	7.88879e-2		NITROGLYCERIN [2C]
4.865	1	MF	1	2.13439e5	7.59776e-1	8.94721e-2		2,6-DINITROTOLUENE [2C]
4.909	1	FM	1	8.89612e4	2.10633	1.03385e-1		1,3-DINITROBENZENE [2C]
5.541	1	FM	1	1.07624e5	1.41731	8.41595e-2		2,4-DINITROTOLUENE [2C]
5.841	1	MF	1	2.13382e5	7.52688e-1	8.86140e-2		3,4-DINITROTOLUENE [2C]
7.096	1	MF	1	2.54615e5	8.93549e-1	1.25525e-1		2,4,6-TRINITROTOLUENE [2C]
7.340	1	MF	1	9.46406e4	1.76246	9.20292e-2		1,3,5-TRINITROBENZENE [2C]
7.409	1	FM	1	1.14109e5	1.33114	8.38056e-2		PETN [2C]
7.936	1	FM	1	2.25332e5	6.72069e-1	8.35536e-2		RDX [2C]
8.290	1	MF	1	1.31827e5	1.18227	8.59910e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.442	1	MF	1	1.21018e5	1.27024	8.48134e-2		3,5-DINITROANILINE [2C]
8.612	1	MF	1	1.51704e5	1.02273	8.56025e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.984	1	FM +	1	1.87740e5	9.66334e-1	1.00095e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.491	1	BB	1	8.05917e4	2.18298	9.70664e-2		TETRYL [2C]
12.375	1	MM	1	4.85789e4	3.49014	9.35448e-2		HMX [2C]

$0.41 - 0.23 = 0.18$
"OK"
Sp. Ice recovery
but no 2 wt
are the
TNT

On 10/12/17

Sample Name: A710039-MSD1

```
=====
Acq. Operator   : RWJ                      Seq. Line :   21
Acq. Instrument : 3337G12416              Location  : Vial 21
Injection Date  : 10/12/2017 1:42:33 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                2.05685
```

```
1 Warnings or Errors :
```

```
Warning : Calibration warnings (see calibration table listing)
```

```
=====
*** End of Report ***
```

ANALYSIS SEQUENCE SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Sequence: A7J1104
 Calibration: A171009

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3336A52146

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	A7J1104-IBL1	001F0101.D.Report.TXT	10/11/17 18:03
Instrument Blank	A7J1104-IBL2	002F0201.D.Report.TXT	10/11/17 18:24
Cal Standard	A7J1104-CAL1	003F0301.D.Report.TXT	10/11/17 18:46
Cal Standard	A7J1104-CAL2	004F0401.D.Report.TXT	10/11/17 19:08
Cal Standard	A7J1104-CAL3	005F0501.D.Report.TXT	10/11/17 19:29
Cal Standard	A7J1104-CAL4	006F0601.D.Report.TXT	10/11/17 19:51
Cal Standard	A7J1104-CAL5	007F0701.D.Report.TXT	10/11/17 20:12
Cal Standard	A7J1104-CAL6	008F0801.D.Report.TXT	10/11/17 20:34
Instrument Blank	A7J1104-IBL3	009F0901.D.Report.TXT	10/11/17 20:55
Initial Cal Check	A7J1104-ICV1	010F1001.D.Report.TXT	10/11/17 21:17
Calibration Check	A7J1104-CCV1	011F1101.D.Report.TXT	10/11/17 21:38
Blank	A710039-BLK1	012F1201.D.Report.TXT	10/11/17 22:00
LCS	A710039-BS1	013F1301.D.Report.TXT	10/11/17 22:21
PW-1101-100917	A174105-01	014F1401.D.Report.TXT	10/11/17 22:42
Instrument Blank	A7J1104-IBL4	015F1501.D.Report.TXT	10/11/17 23:04
Instrument Blank	A7J1104-IBL5	016F1601.D.Report.TXT	10/11/17 23:26
PW-1101-100917	A710039-MS1	017F1701.D.Report.TXT	10/11/17 23:47
Instrument Blank	A7J1104-IBL6	018F1801.D.Report.TXT	10/12/17 00:09
Instrument Blank	A7J1104-IBL7	019F1901.D.Report.TXT	10/12/17 00:30
Calibration Check	A7J1104-CCV2	020F2001.D.Report.TXT	10/12/17 00:52
PW-1101-100917	A710039-MSD1	021F2101.D.Report.TXT	10/12/17 01:13
Instrument Blank	A7J1104-IBL8	022F2201.D.Report.TXT	10/12/17 01:35
Instrument Blank	A7J1104-IBL9	023F2301.D.Report.TXT	10/12/17 01:56
PW-1101DUP-100917	A174105-02	024F2401.D.Report.TXT	10/12/17 02:18
Instrument Blank	A7J1104-IBLA	025F2501.D.Report.TXT	10/12/17 02:39
Instrument Blank	A7J1104-IBLB	026F2601.D.Report.TXT	10/12/17 03:01
Calibration Check	A7J1104-CCV3	027F2701.D.Report.TXT	10/12/17 03:22

ANALYSIS SEQUENCE SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Sequence: A7J1104
 Calibration: A171009

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3337G12416

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	A7J1104-IBL1	001B0101.D.Report.TXT	10/11/17 18:21
Instrument Blank	A7J1104-IBL2	002B0201.D.Report.TXT	10/11/17 18:43
Cal Standard	A7J1104-CAL1	003B0301.D.Report.TXT	10/11/17 19:05
Cal Standard	A7J1104-CAL2	004B0401.D.Report.TXT	10/11/17 19:27
Cal Standard	A7J1104-CAL3	005B0501.D.Report.TXT	10/11/17 19:49
Cal Standard	A7J1104-CAL4	006B0601.D.Report.TXT	10/11/17 20:12
Cal Standard	A7J1104-CAL5	007B0701.D.Report.TXT	10/11/17 20:34
Cal Standard	A7J1104-CAL6	008B0801.D.Report.TXT	10/11/17 20:56
Instrument Blank	A7J1104-IBL3	009B0901.D.Report.TXT	10/11/17 21:18
Initial Cal Check	A7J1104-ICV1	010B1001.D.Report.TXT	10/11/17 21:40
Calibration Check	A7J1104-CCV1	011B1101.D.Report.TXT	10/11/17 22:02
Blank	A710039-BLK1	012B1201.D.Report.TXT	10/11/17 22:24
LCS	A710039-BS1	013B1301.D.Report.TXT	10/11/17 22:45
PW-1101-100917	A174105-01	014B1401.D.Report.TXT	10/11/17 23:08
Instrument Blank	A7J1104-IBL4	015B1501.D.Report.TXT	10/11/17 23:29
Instrument Blank	A7J1104-IBL5	016B1601.D.Report.TXT	10/11/17 23:52
PW-1101-100917	A710039-MS1	017B1701.D.Report.TXT	10/12/17 00:14
Instrument Blank	A7J1104-IBL6	018B1801.D.Report.TXT	10/12/17 00:36
Instrument Blank	A7J1104-IBL7	019B1901.D.Report.TXT	10/12/17 00:58
Calibration Check	A7J1104-CCV2	020B2001.D.Report.TXT	10/12/17 01:20
PW-1101-100917	A710039-MSD1	021B2101.D.Report.TXT	10/12/17 01:42
Instrument Blank	A7J1104-IBL8	022B2201.D.Report.TXT	10/12/17 02:04
Instrument Blank	A7J1104-IBL9	023B2301.D.Report.TXT	10/12/17 02:26
PW-1101DUP-100917	A174105-02	024B2401.D.Report.TXT	10/12/17 02:48
Instrument Blank	A7J1104-IBLA	025B2501.D.Report.TXT	10/12/17 03:10
Instrument Blank	A7J1104-IBLB	026B2601.D.Report.TXT	10/12/17 03:32
Calibration Check	A7J1104-CCV3	027B2701.D.Report.TXT	10/12/17 03:54

ANALYSIS SEQUENCE

Instrument: 3336A52146

A7J1104

Calibration ID: A171009



Printed: 10/12/2017 4:09:31PM

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
A7J1104-IBL1	BLANK EA	QC		1				
A7J1104-IBL2	BLANK EA	QC		2				
A7J1104-CAL1	8095 ICAL ECD 0.001 UG/ML	QC		3		A700257	A701380	
A7J1104-CAL2	8095 ICAL ECD 0.004 UG/ML	QC		4		A700256	A701380	
A7J1104-CAL3	8095 ICAL ECD 0.01 UG/ML	QC		5		A700255	A701380	
A7J1104-CAL4	8095 ICAL ECD 0.04 UG/ML	QC		6		A701312	A701380	
A7J1104-CAL5	8095 ICAL ECD 0.10 UG/ML	QC		7		A700253	A701380	
A7J1104-CAL6	8095 ICAL ECD 0.40 UG/ML	QC		8		A701354	A701380	
A7J1104-IBL3	BLANK EA	QC		9				
A7J1104-ICV1	8085-ECD SS 0.04 ug/mL	QC		10		A700259	A701380	
A7J1104-CCV1	8095 CCV ECD 0.04 UG/ML	QC		11		A701312	A701380	
A710039-BLK1	Blank	QC		12			A701380	
A710039-BSI	LCS	QC		13			A701380	
A174105-01	PW-1101-100917	8095 ECD Full List	A	14			A701380	report to RL
A7J1104-IBL4	BLANK EA	QC		15				
A7J1104-IBL5	BLANK EA	QC		16				
A710039-MS1	Matrix Spike	QC		17			A701380	
A7J1104-IBL6	BLANK EA	QC		18				
A7J1104-IBL7	BLANK EA	QC		19				
A7J1104-CCV2	8095 CCV ECD 0.04 UG/ML	QC		20		A701312	A701380	
A710039-MSD1	Matrix Spike Dup	QC		21			A701380	
A7J1104-IBL8	BLANK EA	QC		22				
A7J1104-IBL9	BLANK EA	QC		23				
A174105-02	PW-1101DUP-100917	8095 ECD Full List	A	24			A701380	report to RL
A7J1104-IBLA	BLANK EA	QC		25				
A7J1104-IBLB	BLANK EA	QC		26				

ANALYSIS SEQUENCE



Printed: 10/12/2017 4:09:31PM

Instrument: 3336A52146

Calibration ID: A171009

A7J1104

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
A7J1104-CCV3	8095 CCV ECD 0.04 UG/ML	QC		27		A701312	A701380	

Pipette Used NA Repeater Used NA Syringe(s) Used SYR0151, SYR0030

Sequence Reagents and Standards

LIMS Number	Description
A700253	8095, ICAL Nitroaromatics, 0.10 ug/mL
A700255	8095, ICAL Nitroaromatics, 0.010 ug/mL
A700256	8095, ICAL Nitroaromatics, 0.0040 ug/mL
A700257	8095, ICAL Nitroaromatics, 0.001 ug/mL
A700259	8095, Second Source Nitroaromatics, 0.04 ug/mL
A701312	8095, ICAL Nitroaromatics, 0.040 ug/mL
A701354	8095, ICAL Nitroaromatics, 0.40 ug/mL
A701380	8095, ECD, Internal Standard 5.0ug/mL
A701404	8095, Second Source Nitroaromatics, 10.0 ug/mL

Samples Loaded By

Date

Data Processed By

Date

Sample related custom fields:

Line	Location	Sample Name	Custom Field	Value
====	=====	=====	=====	=====
1	Vial 1	A7J1104-IBL1		No values
2	Vial 2	A7J1104-IBL2		No values
3	Vial 3	A7J1104-CAL1		No values
4	Vial 4	A7J1104-CAL2		No values
5	Vial 5	A7J1104-CAL3		No values
6	Vial 6	A7J1104-CAL4		No values
7	Vial 7	A7J1104-CAL5		No values
8	Vial 8	A7J1104-CAL6		No values
9	Vial 9	A7J1104-IBL3		No values
10	Vial 10	A7J1104-ICV1		No values
11	Vial 11	A7J1104-CCV1		No values
12	Vial 12	A710039-BLK1		No values
13	Vial 13	A710039-BS1		No values
14	Vial 14	A174105-01		No values
15	Vial 15	A7J1104-IBL4		No values
16	Vial 16	A7J1104-IBL5		No values
17	Vial 17	A710039-MS1		No values
18	Vial 18	A7J1104-IBL6		No values
19	Vial 19	A7J1104-IBL7		No values
20	Vial 20	A7J1104-CCV2		No values
21	Vial 21	A710039-MSD1		No values
22	Vial 22	A7J1104-IBL8		No values
23	Vial 23	A7J1104-IBL9		No values
24	Vial 24	A174105-02		No values
25	Vial 25	A7J1104-IBLA		No values
26	Vial 26	A7J1104-IBLB		No values
27	Vial 27	A7J1104-CCV3		No values
28	Vial 28	BLANK EA		No values
29	Vial 29			No values
30	Vial 30			No values
31	Vial 31			No values
32	Vial 32			No values
33	Vial 33			No values
34	Vial 34			No values
35	Vial 35			No values

SEQUENCE TABLE (Back Injector):

No entries - empty table!

Sequence Output Parameters:

Print Sequence Summary Report (SSR) : No
 Dest. of individual reports for each run : as specified in Method

Sequence Summary Parameters:

Sequence: C:\Chem32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11
18-02-15\A7J1104-8095-ECD-RTX-TNT-H2O.S

One page header:	No
Print Configuration:	No
Print Sequence:	No
Print Logbook:	No
Print Method(s):	No
Print Analysis reports:	No
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Summary style:	Sample Summary

Method Name : 8095-ECD-RTX-440

=====
Line : 28
Location : Vial 28
Sample Information :
Sample Name : BLANK 80/20
Method Name : 8095-ECD-RTX-440

=====
Line : 29
Location : Vial 29
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-440

=====
Line : 30
Location : Vial 30
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-440

=====
Line : 31
Location : Vial 31
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-440

=====
Line : 32
Location : Vial 32
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-440

=====
Sample related custom fields:

Line	Location	Sample Name	Custom Field	Value
1	Vial 1	A7J1104-IBL1		No values
2	Vial 2	A7J1104-IBL2		No values
3	Vial 3	A7J1104-CAL1		No values
4	Vial 4	A7J1104-CAL2		No values
5	Vial 5	A7J1104-CAL3		No values
6	Vial 6	A7J1104-CAL4		No values

7	Vial 7	A7J1104-CAL5	No values
8	Vial 8	A7J1104-CAL6	No values
9	Vial 9	A7J1104-IBL3	No values
10	Vial 10	A7J1104-ICV1	No values
11	Vial 11	A7J1104-CCV1	No values
12	Vial 12	A710039-BLK1	No values
13	Vial 13	A710039-BS1	No values
14	Vial 14	A174105-01	No values
15	Vial 15	A7J1104-IBL4	No values
16	Vial 16	A7J1104-IBL5	No values
17	Vial 17	A710039-MS1	No values
18	Vial 18	A7J1104-IBL6	No values
19	Vial 19	A7J1104-IBL7	No values
20	Vial 20	A7J1104-CCV2	No values
21	Vial 21	A710039-MSD1	No values
22	Vial 22	A7J1104-IBL8	No values
23	Vial 23	A7J1104-IBL9	No values
24	Vial 24	A174105-02	No values
25	Vial 25	A7J1104-IBLA	No values
26	Vial 26	A7J1104-IBLB	No values
27	Vial 27	A7J1104-CCV3	No values
28	Vial 28	BLANK 80/20	No values
29	Vial 29		No values
30	Vial 30		No values
31	Vial 31		No values
32	Vial 32		No values

=====

Sequence Summary Parameters:

One page header:	No
Print Configuration:	No
Print Sequence:	No
Print Logbook:	No
Print Method(s):	No
Print Analysis reports:	No
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Summary style:	Sample Summary

INITIAL CALIBRATION STANDARDS

EPA 8095

Laboratory: Pace Analytical - Madison SDG: A174105
Client: Kennedy Jenks Consultants Project: Ashland Kenvil - Kenvil, NJ
Sequence: A7J1104 Instrument: 3336A52146
Calibration: A171009 Instrument*: 3337G12416

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
A700257	8095, ICAL Nitroaromatics, 0.001 ug/mL	A7J1104-CAL1	003F0301.D.Report.TXT	10/11/17 18:46
A700257	8095, ICAL Nitroaromatics, 0.001 ug/mL	A7J1104-CAL1 *	003B0301.D.Report.TXT	10/11/17 19:05
A700256	8095, ICAL Nitroaromatics, 0.0040 ug/mL	A7J1104-CAL2	004F0401.D.Report.TXT	10/11/17 19:08
A700256	8095, ICAL Nitroaromatics, 0.0040 ug/mL	A7J1104-CAL2 *	004B0401.D.Report.TXT	10/11/17 19:27
A700255	8095, ICAL Nitroaromatics, 0.010 ug/mL	A7J1104-CAL3	005F0501.D.Report.TXT	10/11/17 19:29
A700255	8095, ICAL Nitroaromatics, 0.010 ug/mL	A7J1104-CAL3 *	005B0501.D.Report.TXT	10/11/17 19:49
A701312	8095, ICAL Nitroaromatics, 0.040 ug/mL	A7J1104-CAL4	006F0601.D.Report.TXT	10/11/17 19:51
A701312	8095, ICAL Nitroaromatics, 0.040 ug/mL	A7J1104-CAL4 *	006B0601.D.Report.TXT	10/11/17 20:12
A700253	8095, ICAL Nitroaromatics, 0.10 ug/mL	A7J1104-CAL5	007F0701.D.Report.TXT	10/11/17 20:12
A700253	8095, ICAL Nitroaromatics, 0.10 ug/mL	A7J1104-CAL5 *	007B0701.D.Report.TXT	10/11/17 20:34
A701354	8095, ICAL Nitroaromatics, 0.40 ug/mL	A7J1104-CAL6	008F0801.D.Report.TXT	10/11/17 20:34
A701354	8095, ICAL Nitroaromatics, 0.40 ug/mL	A7J1104-CAL6 *	008B0801.D.Report.TXT	10/11/17 20:56

SEQUENCE PARAMETERS

Sequence : C:\Chem32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX
-TNT-H2O 2017-10-11 18-02-15\A7J1104-8095-ECD-RTX-TNT-H2O.S
Operator : RWJ
Data File Naming : Auto
Data Directory : C:\Chem32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX
-TNT-H2O 2017-10-11 18-02-15\
Data Subdirectory : A7J1104-8095-ECD-RTX-TNT-H2O
Barcode Reader : not used
Shutdown Cmd/Macro : none
Sequence Comment :
Part of Methods to run: According to Runtime Checklist

SEQUENCE TABLE (Front Injector):
=====

Line : 1
Location : Vial 1
Sample Information :
Sample Name : A7J1104-IBL1
Method Name : 8095-ECD-RTX-TNT

=====

Line : 2
Location : Vial 2
Sample Information :
Sample Name : A7J1104-IBL2
Method Name : 8095-ECD-RTX-TNT

=====

Line : 3
Location : Vial 3
Sample Information :
Sample Name : A7J1104-CAL1
Method Name : 8095-ECD-RTX-TNT

=====

Line : 4
Location : Vial 4
Sample Information :
Sample Name : A7J1104-CAL2
Method Name : 8095-ECD-RTX-TNT

=====

Line : 5
Location : Vial 5
Sample Information :
Sample Name : A7J1104-CAL3
Method Name : 8095-ECD-RTX-TNT

=====

Line : 6
Location : Vial 6
Sample Information :
Sample Name : A7J1104-CAL4
Method Name : 8095-ECD-RTX-TNT

=====
Line : 7
Location : Vial 7
Sample Information :
Sample Name : A7J1104-CAL5
Method Name : 8095-ECD-RTX-TNT

=====
Line : 8
Location : Vial 8
Sample Information :
Sample Name : A7J1104-CAL6
Method Name : 8095-ECD-RTX-TNT

=====
Line : 9
Location : Vial 9
Sample Information :
Sample Name : A7J1104-IBL3
Method Name : 8095-ECD-RTX-TNT

=====
Line : 10
Location : Vial 10
Sample Information :
Sample Name : A7J1104-ICV1
Method Name : 8095-ECD-RTX-TNT

=====
Line : 11
Location : Vial 11
Sample Information :
Sample Name : A7J1104-CCV1
Method Name : 8095-ECD-RTX-TNT

=====
Line : 12
Location : Vial 12
Sample Information :
Sample Name : A710039-BLK1
Method Name : 8095-ECD-RTX-TNT

=====
Line : 13
Location : Vial 13
Sample Information :
Sample Name : A710039-BS1

18-02-15\A7J1104-8095-ECD-RTX-TNT-H2O.S

Method Name : 8095-ECD-RTX-TNT

=====
Line : 14
Location : Vial 14
Sample Information :
Sample Name : A174105-01
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 15
Location : Vial 15
Sample Information :
Sample Name : A7J1104-IBL4
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 16
Location : Vial 16
Sample Information :
Sample Name : A7J1104-IBL5
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 17
Location : Vial 17
Sample Information :
Sample Name : A710039-MS1
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 18
Location : Vial 18
Sample Information :
Sample Name : A7J1104-IBL6
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 19
Location : Vial 19
Sample Information :
Sample Name : A7J1104-IBL7
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 20
Location : Vial 20
Sample Information :
Sample Name : A7J1104-CCV2
Method Name : 8095-ECD-RTX-TNT
=====

18-02-15\A7J1104-8095-ECD-RTX-TNT-H2O.S

Line : 21
Location : Vial 21
Sample Information :
Sample Name : A710039-MSD1
Method Name : 8095-ECD-RTX-TNT

Line : 22
Location : Vial 22
Sample Information :
Sample Name : A7J1104-IBL8
Method Name : 8095-ECD-RTX-TNT

Line : 23
Location : Vial 23
Sample Information :
Sample Name : A7J1104-IBL9
Method Name : 8095-ECD-RTX-TNT

Line : 24
Location : Vial 24
Sample Information :
Sample Name : A174105-02
Method Name : 8095-ECD-RTX-TNT

Line : 25
Location : Vial 25
Sample Information :
Sample Name : A7J1104-IBLA
Method Name : 8095-ECD-RTX-TNT

Line : 26
Location : Vial 26
Sample Information :
Sample Name : A7J1104-IBLB
Method Name : 8095-ECD-RTX-TNT

Line : 27
Location : Vial 27
Sample Information :
Sample Name : A7J1104-CCV3
Method Name : 8095-ECD-RTX-TNT

Line : 28
Location : Vial 28
Sample Information :
Sample Name : BLANK EA

18-02-15\A7J1104-8095-ECD-RTX-TNT-H2O.S

Method Name : 8095-ECD-RTX-TNT

=====
Line : 29
Location : Vial 29
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 30
Location : Vial 30
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 31
Location : Vial 31
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 32
Location : Vial 32
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 33
Location : Vial 33
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 34
Location : Vial 34
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-TNT
=====

=====
Line : 35
Location : Vial 35
Sample Information :
Sample Name :
Method Name : 8095-ECD-RTX-TNT
=====

method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M
Modified on: 9/7/2017 at 12:50:49 PM

Method Information

Method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M
Modified: 9/7/2017 at 12:50:49 PM

METHOD 8095 BY ECD, USING A RESTEK RTX-TNT 6 M BY 0.53 MM ID BY 1.5 UM
CAT# 12998 S/N (1173123/P). INJECTOR USING A STANDARD 4 MM
CYCLOSPLITTER LINER AND CROSS GOLD SEAL. 2UL INJECTION

Method Audit Trail

Operator : CJM
Date : 12/7/2012 1:19:01 PM
Change Info: This method was created at 12/7/2012 1:19:01 PM and based on
method C:\CHEM32\1\METHODS\8095-ECD-RTX-TNT.M

Operator : CJM
Date : 12/7/2012 1:19:18 PM
Change Info: Method saved. User comment: "Created Method - CJM"

Operator : CJM
Date : 6/19/2013 5:55:23 PM
Change Info: Method saved. User comment: ""

Operator : RWJ
Date : 8/13/2014 4:23:55 PM
Change Info: Method saved. User comment: "EDIT INJ/DET TEMP RWJ"

Operator : RWJ
Date : 12/9/2014 11:41:30 AM
Change Info: Method saved. User comment: "CHANGE DET TO 220"

Operator : RWJ
Date : 12/9/2014 2:30:24 PM
Change Info: Method saved. User comment: "DET TMP TO 250 FUZ"

Operator : RWJ
Date : 1/13/2016 11:14:38 AM
Change Info: Method saved. User comment: "EDIT COLUMN S/N AND INJECTOR INFO.
RWJ"

Operator : RWJ
Date : 2/24/2016 3:41:58 PM
Change Info: Method saved. User comment: "EDIT TEMP PROGRAM. RWJ"

Operator : RWJ
Date : 4/4/2016 11:23:10 AM
Change Info: Method saved. User comment: "GENERAL UPDATE RWJ"

Operator : RWJ
Date : 7/6/2016 12:57:05 PM
Change Info: Method saved. User comment: "UPDATE COLUMN S/N RWJ"

Operator : RWJ
Date : 10/26/2016 2:32:34 PM
Change Info: Method saved. User comment: "update clmnn s/n rwj"

*Acquisition
Method*

10/12/17

method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M
Modified on: 9/7/2017 at 12:50:49 PM
Operator : RWJ
Date : 1/27/2017 10:13:54 AM
Change Info: Method saved. User comment: "UPDATE COLUMN S/N RWJ"

Operator : RWJ
Date : 7/17/2017 10:46:54 AM
Change Info: Method saved. User comment: "ADD 2UL INJECTION RWJ"

Operator : RWJ
Date : 9/7/2017 12:50:49 PM
Change Info: Method saved. User comment: "UPDATE COLUMN S/N RWJ"

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: Manual
Injection Location: Front

OVEN\DET

Runtime (min): 15.4

Zone Temperatures:

	State	Setpoint
Inl. A	ON	210 C.
Inl. B	OFF	50 C.
Det. A	OFF	50 C.
Det. B	ON	250 C.
Aux.	OFF	50 C.

Oven Zone:

Oven max	310 C.
Equib Time	1.00 Min.
Oven State	ON
Cryo State	OFF

method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M

Modified on: 9/7/2017 at 12:50:49 PM

Ambient 25 C.

Cryo Blast OFF

Oven Program:

Setpoint

Initial Temp.: 60 C.

Initial Time: 1.00 Min.

Level	Rate (C/min.)	Final Temp. (C)	Final Time (min)
1	16.0	275	1.00

Purge Valve Settings

Purge A/B

	Init Value	On Time (Min.)	Off Time (Min.)
A (Valve 3)	Off	0.50	15.00
B (Valve 4)	Off	0.50	15.00

A - Splitless Injection: No

B - Splitless Injection: No

Valves/Relays Information

Initial Setpoints:

5890 Valves:

Valve 1:	Off
Valve 2:	Off
Valve 3 (Purge A):	Off
Valve 4 (Purge B):	Off

Detector B:

Type ECD

State ON

Signal Information

Save Data: Signal 1

Signal 1:

Signal	Det. B
Data rate	5.000 Hz.
Peakwidth	0.053 min.
Start Time	0.00 min.
Stop Time	650.00 min.

Signal 2:

Signal	Testplot
Data rate	5.000 Hz.
Peakwidth	0.053 min.
Start Time	0.00 min.
Stop Time	650.00 min.

=====
Integration Events
=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	Standard
Tail Peak Skim Height Ratio	0.000
Front Peak Skim Height Ratio	0.000
Skim Valley Ratio	20.000
Baseline Correction	Classical
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M
Modified on: 9/7/2017 at 12:50:49 PM
Apply Manual Integration Events: No

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

method: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Modified on: 10/12/2017 at 10:12:27 AM

Method Information

Method: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Modified: 10/12/2017 at 10:12:27 AM

Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5
MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

Method Audit Trail

Operator : RWJ
Date : 10/12/2017 9:49:37 AM
Change Info: This method was created at 10/12/2017 9:49:37 AM and based on
method C:\CHEM32\1\METHODS\A7H2201-ECD-8095-RTX-TNT-H2O.M

Operator : RWJ
Date : 10/12/2017 9:49:48 AM
Change Info: Method saved. User comment: "CREATED 10/12/17 JJK"

Operator : RWJ
Date : 10/12/2017 10:12:27 AM
Change Info: Method saved. User comment: "UPDATED CAL TABLE 10/12/17 JJK"

*Processing
method
10/12/17*

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	Standard
Tail Peak Skim Height Ratio	0.000
Front Peak Skim Height Ratio	0.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Signal Specific Integration Event Table "Event_GC1A"

Event	Value	Time
Initial Slope Sensitivity	25000.000	Initial
Initial Peak Width	0.100	Initial
Initial Area Reject	250.000	Initial
Initial Height Reject	50.000	Initial
Initial Shoulders	OFF	Initial
Integration	OFF	0.000
Integration	ON	1.661
Integration	OFF	18.250

Signal Specific Integration Event Table "Event_ECD1A"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.031	Initial
Initial Area Reject	250.000	Initial
Initial Height Reject	50.000	Initial
Initial Shoulders	DROP	Initial
Integration	OFF	0.000
Integration	ON	1.706
Baseline Now		7.500
Integration	OFF	17.874

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Signal Specific Integration Event Table "Event_ECD1B"

Event	Value	Time
Initial Slope Sensitivity	400.000	Initial
Initial Peak Width	0.050	Initial
Initial Area Reject	10.000	Initial
Initial Height Reject	5.000	Initial
Initial Shoulders	OFF	Initial
Integration	OFF	0.000
Integration	ON	2.105
Integration	OFF	12.873

Apply Manual Integration Events: No

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Sample related custom fields

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Custom Field	Type	Mand.	Default Value
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None defined

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Compound related custom fields

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Custom Field	Type	Mand.	Default Value
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None defined

=====

Calibration Table

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Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Rel. Reference Window : 0.000 %
 Abs. Reference Window : 0.100 min
 Rel. Non-ref. Window : 0.000 %
 Abs. Non-ref. Window : 0.040 min
 Uncalibrated Peaks : not reported
 Partial Calibration : No recalibration if peaks missing

Curve Type : Power (some peaks differ, see below)
 Origin : Ignored (some peaks differ, see below)
 Weight : Equal

Recalibration Settings:
 Average Response : Average all calibrations
 Average Retention Time: Floating Average New 75%

Calibration Report Options :

Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
 If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Sample ISTD Information:

ISTD ISTD Amount Name

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime	Lvl	Amount	Height	Amt/Height	Ref	Grp	Name
[min]	Sig						
2.216	1	1.00000e-3	365.28207	2.73761e-6	1		NITROBENZENE
		4.00000e-3	1310.72717	3.05174e-6			
		1.00000e-2	3090.51782	3.23570e-6			
		4.00000e-2	1.05174e4	3.80321e-6			
		1.00000e-1	2.68603e4	3.72296e-6			
		4.00000e-1	8.99685e4	4.44600e-6			
2.904	1	1.00000e-3	108.93450	9.17983e-6	1		2-NITROTOLUENE
		4.00000e-3	386.24268	1.03562e-5			
		1.00000e-2	972.65082	1.02812e-5			
		4.00000e-2	3570.66431	1.12024e-5			
		1.00000e-1	9326.78027	1.07218e-5			
		4.00000e-1	3.23080e4	1.23808e-5			
3.222	1	1.00000e-3	196.31689	5.09381e-6	1		3-NITROTOLUENE
		4.00000e-3	717.47601	5.57510e-6			
		1.00000e-2	1799.53052	5.55700e-6			
		4.00000e-2	6183.42188	6.46891e-6			
		1.00000e-1	1.59814e4	6.25727e-6			
		4.00000e-1	5.39571e4	7.41329e-6			

RetTime [min]	Lvl Sig	Amount	Height	Amt/Height	Ref	Grp	Name
3.369	1	1.00000e-3	112.74994	8.86918e-6	1		4-NITROTOLUENE
		2 4.00000e-3	507.76947	7.87759e-6			
		3 1.00000e-2	1282.30933	7.79843e-6			
		4 4.00000e-2	4650.11865	8.60193e-6			
		5 1.00000e-1	1.21752e4	8.21342e-6			
		6 4.00000e-1	4.18190e4	9.56502e-6			
4.350	1	1.25000e-1	1.91222e5	6.53692e-7	+I1		INTERNAL STANDARD (1-BROMO-4-NITROBENZ)
		2 1.25000e-1	1.91959e5	6.51181e-7			
		3 1.25000e-1	1.94019e5	6.44267e-7			
		4 1.25000e-1	1.82510e5	6.84893e-7			
		5 1.25000e-1	1.98842e5	6.28641e-7			
		6 1.25000e-1	1.96949e5	6.34681e-7			
4.634	1	1.00000e-3	1764.88318	5.66610e-7	1		NITROGLYCERIN
		2 4.00000e-3	6526.52002	6.12884e-7			
		3 1.00000e-2	1.58753e4	6.29907e-7			
		4 4.00000e-2	5.03946e4	7.93736e-7			
		5 1.00000e-1	1.33868e5	7.47005e-7			
		6 4.00000e-1	4.77144e5	8.38322e-7			
5.259	1	1.00000e-3	685.06696	1.45971e-6	1		1,3-DINTROBENZENE
		2 4.00000e-3	2906.70898	1.37613e-6			
		3 1.00000e-2	6894.36572	1.45046e-6			
		4 4.00000e-2	2.22510e4	1.79768e-6			
		5 1.00000e-1	5.42109e4	1.84465e-6			
		6 4.00000e-1	1.77713e5	2.25082e-6			
5.391	1	1.00000e-3	3298.06543	3.03208e-7	1		2,6-DINITROTOLUENE
		2 4.00000e-3	1.15246e4	3.47082e-7			
		3 1.00000e-2	2.57338e4	3.88594e-7			
		4 4.00000e-2	8.17072e4	4.89553e-7			
		5 1.00000e-1	2.00559e5	4.98605e-7			
		6 4.00000e-1	6.92124e5	5.77931e-7			
5.957	1	1.00000e-3	1885.42334	5.30385e-7	1		2,4-DINITROTOLUENE
		2 4.00000e-3	6755.92676	5.92073e-7			
		3 1.00000e-2	1.50991e4	6.62290e-7			
		4 4.00000e-2	4.66633e4	8.57205e-7			
		5 1.00000e-1	1.14500e5	8.73363e-7			
		6 4.00000e-1	3.75407e5	1.06551e-6			
6.352	1	1.00000e-3	3304.69946	3.02599e-7	1		3,4-DINITROTOLUENE
		2 4.00000e-3	1.18053e4	3.38832e-7			
		3 1.00000e-2	2.73516e4	3.65609e-7			
		4 4.00000e-2	8.65305e4	4.62265e-7			
		5 1.00000e-1	2.17211e5	4.60383e-7			
		6 4.00000e-1	7.51782e5	5.32069e-7			
7.039	1	1.00000e-3	1234.48767	8.10053e-7	1		1,3,5-TRINITROBENZENE
		2 4.00000e-3	4930.09375	8.11344e-7			
		3 1.00000e-2	1.11974e4	8.93068e-7			
		4 4.00000e-2	3.56958e4	1.12058e-6			
		5 1.00000e-1	9.10673e4	1.09809e-6			
		6 4.00000e-1	2.90511e5	1.37688e-6			
7.206	1	1.00000e-3	2733.86719	3.65782e-7	1		2,4,6-TRINITROTOLUENE
		2 4.00000e-3	8920.05859	4.48428e-7			
		3 1.00000e-2	2.11767e4	4.72218e-7			
		4 4.00000e-2	7.26027e4	5.50943e-7			
		5 1.00000e-1	1.94030e5	5.15385e-7			
		6 4.00000e-1	5.90411e5	6.77494e-7			
7.831	1	1.00000e-3	962.74060	1.03870e-6	1		PETN
		2 4.00000e-3	3656.05908	1.09407e-6			
		3 1.00000e-2	8731.79492	1.14524e-6			

RetTime [min]	Lvl Sig	Amount	Height	Amt/Height	Ref	Grp	Name
		4 4.00000e-2	2.73122e4	1.46454e-6			
		5 1.00000e-1	6.86806e4	1.45601e-6			
		6 4.00000e-1	2.16345e5	1.84890e-6			
8.151	1	1 1.00000e-3	2056.94238	4.86158e-7	1		RDX
		2 4.00000e-3	8508.90430	4.70096e-7			
		3 1.00000e-2	2.22899e4	4.48633e-7			
		4 4.00000e-2	8.06315e4	4.96084e-7			
		5 1.00000e-1	2.25159e5	4.44130e-7			
		6 4.00000e-1	7.55658e5	5.29340e-7			
8.695	1	1 1.00000e-3	2513.09668	3.97915e-7	1		4-AMINO-2,6-DINITROTOLUENE
		2 4.00000e-3	8717.69141	4.58837e-7			
		3 1.00000e-2	1.93874e4	5.15800e-7			
		4 4.00000e-2	5.83986e4	6.84947e-7			
		5 1.00000e-1	1.46260e5	6.83713e-7			
		6 4.00000e-1	4.54420e5	8.80242e-7			
8.758	1	1 1.00000e-3	3086.19019	3.24024e-7	1		3,5-DINITROANILINE
		2 4.00000e-3	9439.32910	4.23759e-7			
		3 1.00000e-2	2.03052e4	4.92485e-7			
		4 4.00000e-2	6.31279e4	6.33635e-7			
		5 1.00000e-1	1.54151e5	6.48714e-7			
		6 4.00000e-1	4.79504e5	8.34195e-7			
9.009	1	1 1.00000e-3	2848.73828	3.51033e-7	1		2-AMINO-4,6-DINITROTOLUENE
		2 4.00000e-3	9942.35840	4.02319e-7			
		3 1.00000e-2	2.22118e4	4.50210e-7			
		4 4.00000e-2	6.87206e4	5.82067e-7			
		5 1.00000e-1	1.68857e5	5.92217e-7			
		6 4.00000e-1	5.18923e5	7.70827e-7			
9.526	1	1 1.00000e-3	2010.24011	4.97453e-7	+ 1		SURROGATE (2,2'-DINITROBIPHENYL)
		2 4.00000e-3	7770.78027	5.14749e-7			
		3 1.00000e-2	1.90573e4	5.24734e-7			
		4 4.00000e-2	6.54590e4	6.11070e-7			
		5 1.00000e-1	1.69064e5	5.91491e-7			
		6 4.00000e-1	5.37085e5	7.44762e-7			
9.622	1	1 1.00000e-3	217.84808	4.59035e-6	1		TETRYL
		2 4.00000e-3	1166.57739	3.42883e-6			
		3 1.00000e-2	4335.16455	2.30672e-6			
		4 4.00000e-2	2.49417e4	1.60374e-6			
		5 1.00000e-1	7.70932e4	1.29713e-6			
12.247	1	1 1.00000e-3	333.96332	2.99434e-6	1		HMX
		2 4.00000e-3	1358.72913	2.94393e-6			
		3 1.00000e-2	3537.90527	2.82653e-6			
		4 4.00000e-2	1.40706e4	2.84280e-6			
		5 1.00000e-1	3.70773e4	2.69707e-6			
		6 4.00000e-1	1.42255e5	2.81186e-6			

More compound-specific settings:

Compound: NITROBENZENE

Curve Type : Power
Origin : Ignored

Compound: 3,5-DINITROANILINE

Curve Type : Power
Origin : Ignored

Compound: HMX

Curve Type : Power

*L-6 dropped due to
unacceptable
R130917*

Origin : Ignored

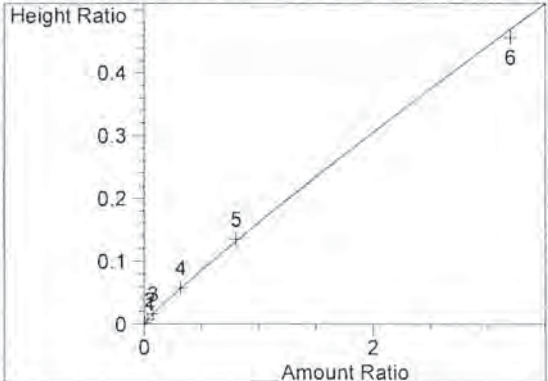
1 Warnings or Errors :

Warning : Curve requires more calibration points., (INTERNAL STANDARD (1-BROMO-4-NITROBENZENE

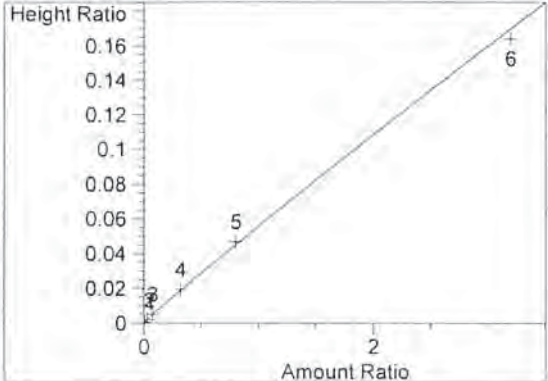
Peak Sum Table

No Entries in table

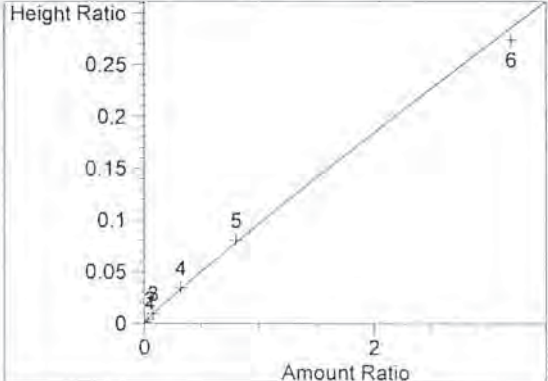
Calibration Curves



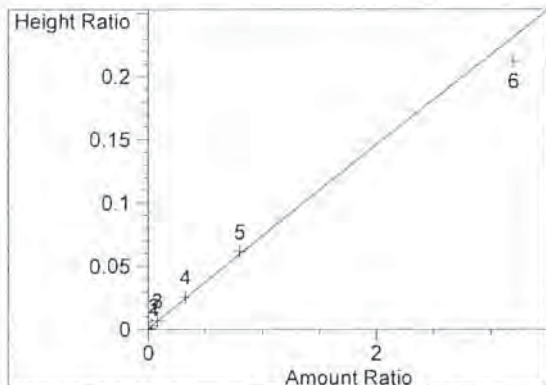
NITROBENZENE at exp. RT: 2.216
ECD1 B,
Correlation: 0.99988
Residual Std. Dev.: 0.00667
Formula: $y = b * x^m$
m: 9.17502e-1
b: 1.61552e-1
x: Amount
y: Height



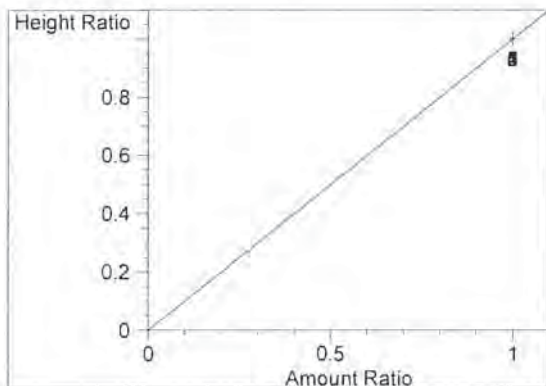
2-NITROTOLUENE at exp. RT: 2.904
ECD1 B,
Correlation: 0.99979
Residual Std. Dev.: 0.00309
Formula: $y = b * x^m$
m: 9.53749e-1
b: 5.60500e-2
x: Amount
y: Height



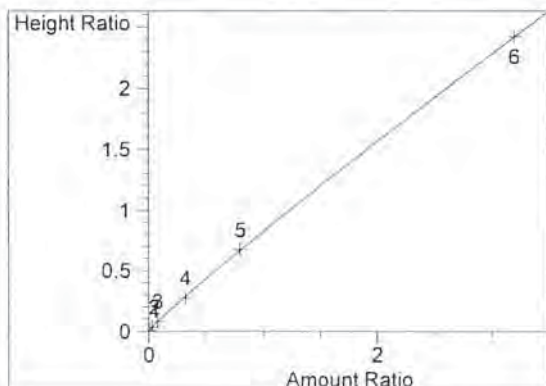
3-NITROTOLUENE at exp. RT: 3.222
ECD1 B,
Correlation: 0.99978
Residual Std. Dev.: 0.00616
Formula: $y = b * x^m$
m: 9.36988e-1
b: 9.61782e-2
x: Amount
y: Height



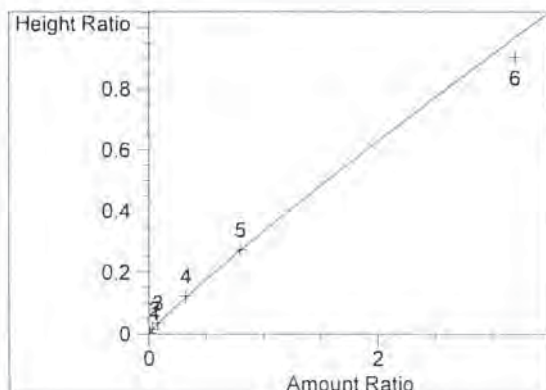
4-NITROTOLUENE at exp. RT: 3.369
 ECD1 B,
 Correlation: 0.99947
 Residual Std. Dev.: 0.00973
 Formula: $y = b * x^m$
 m: 9.80733e-1
 b: 7.40351e-2
 x: Amount
 y: Height



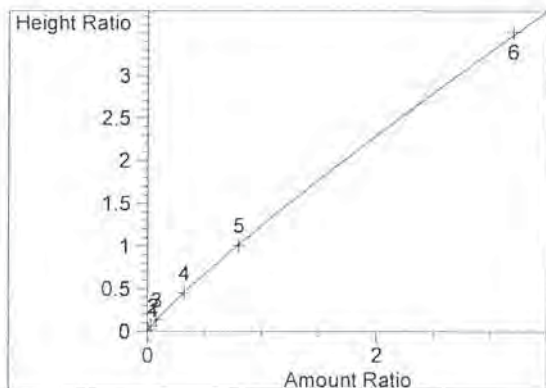
INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) at exp. RT: 4.1
 ECD1 B,
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount
 y: Height



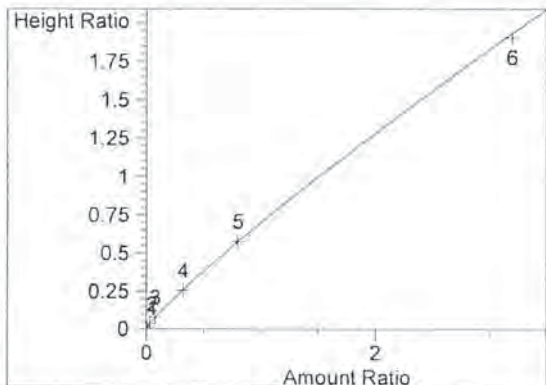
NITROGLYCERIN at exp. RT: 4.634
 ECD1 B,
 Correlation: 0.99999
 Residual Std. Dev.: 0.00608
 Formula: $y = b * x^m$
 m: 9.27149e-1
 b: 8.22397e-1
 x: Amount
 y: Height



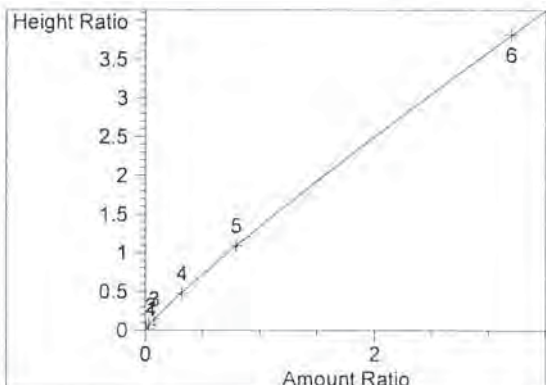
1,3-DINITROBENZENE at exp. RT: 5.259
 ECD1 B,
 Correlation: 0.99975
 Residual Std. Dev.: 0.03263
 Formula: $y = b * x^m$
 m: 9.16133e-1
 b: 3.33278e-1
 x: Amount
 y: Height



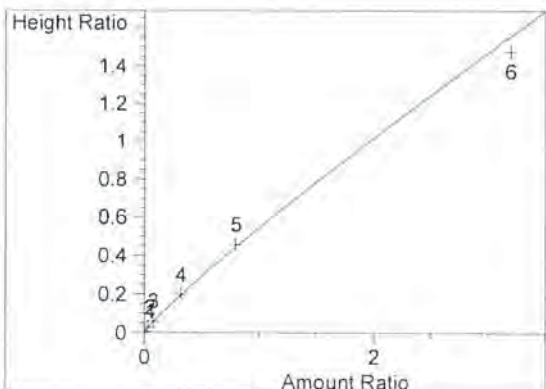
2,6-DINITROTOLUENE at exp. RT: 5.391
 ECD1 B,
 Correlation: 0.99998
 Residual Std. Dev.: 0.02136
 Formula: $y = b * x^m$
 m: 8.84676e-1
 b: 1.24114
 x: Amount
 y: Height



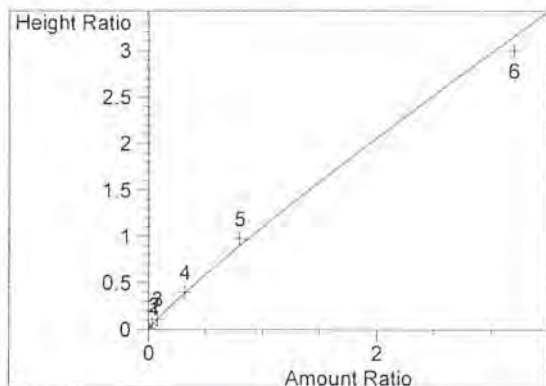
2,4-DINITROTOLUENE at exp. RT: 5.957
 ECD1 B,
 Correlation: 0.99999
 Residual Std. Dev.: 0.01252
 Formula: $y = b * x^m$
 m: 8.75593e-1
 b: 6.97373e-1
 x: Amount
 y: Height



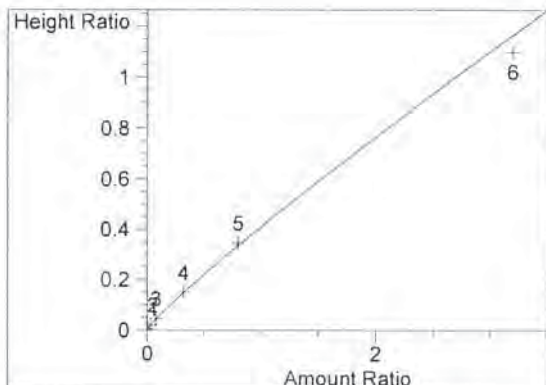
3,4-DINITROTOLUENE at exp. RT: 6.352
 ECD1 B,
 Correlation: 1.00000
 Residual Std. Dev.: 0.00626
 Formula: $y = b * x^m$
 m: 8.98325e-1
 b: 1.33934
 x: Amount
 y: Height



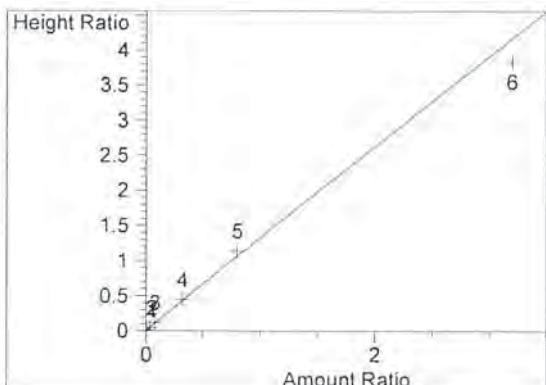
1,3,5-TRINITROBENZENE at exp. RT: 7.039
 ECD1 B,
 Correlation: 0.99970
 Residual Std. Dev.: 0.04072
 Formula: $y = b * x^m$
 m: 9.03020e-1
 b: 5.44092e-1
 x: Amount
 y: Height



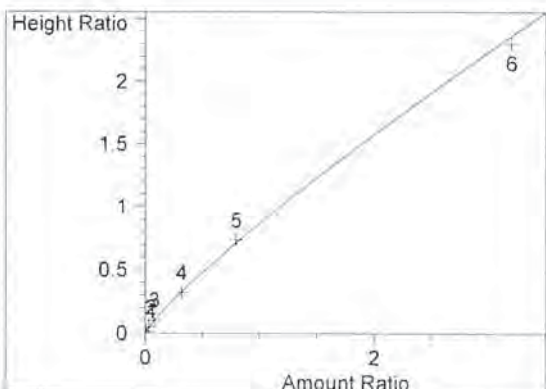
2,4,6-TRINITROTOLUENE at exp. RT: 7.206
 ECD1 B,
 Correlation: 0.99913
 Residual Std. Dev.: 0.08729
 Formula: $y = b * x^m$
 m: 9.05354e-1
 b: 1.10051
 x: Amount
 y: Height



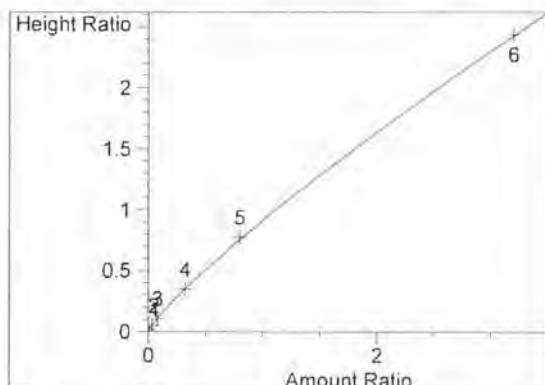
PETN at exp. RT: 7.831
 ECD1 B,
 Correlation: 0.99965
 Residual Std. Dev.: 0.03370
 Formula: $y = b * x^m$
 m: 8.97861e-1
 b: 4.10010e-1
 x: Amount
 y: Height



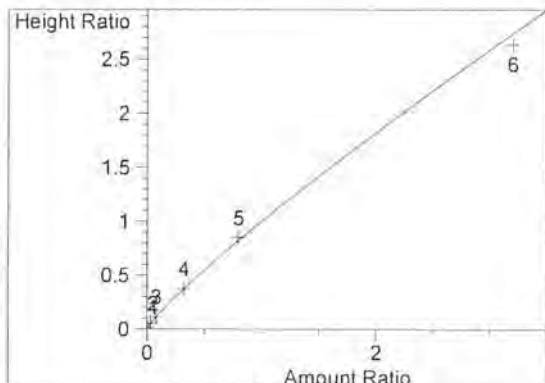
RDX at exp. RT: 8.151
 ECD1 B,
 Correlation: 0.99917
 Residual Std. Dev.: 0.16904
 Formula: $y = b * x^m$
 m: 9.86057e-1
 b: 1.32357
 x: Amount
 y: Height



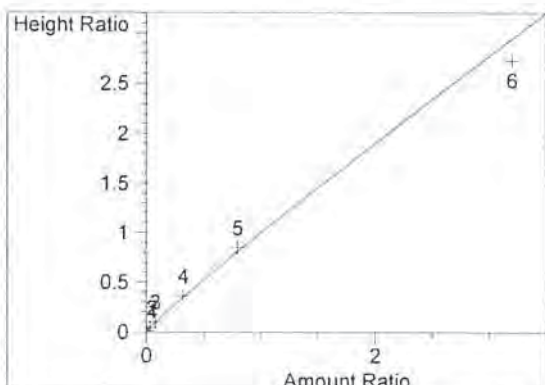
4-AMINO-2,6-DINITROTOLUENE at exp. RT: 8.695
 ECD1 B,
 Correlation: 0.99986
 Residual Std. Dev.: 0.02980
 Formula: $y = b * x^m$
 m: 8.62197e-1
 b: 8.66832e-1
 x: Amount
 y: Height



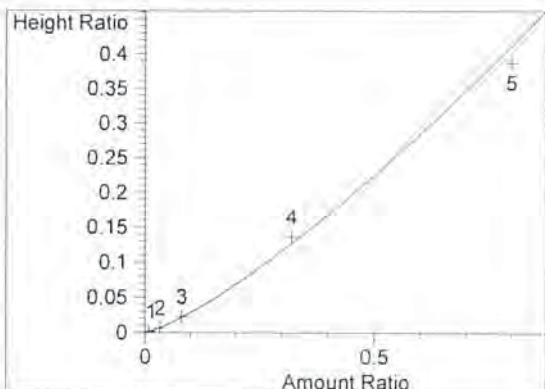
3,5-DINITROANILINE at exp. RT: 8.758
 ECD1 B,
 Correlation: 0.99996
 Residual Std. Dev.: 0.01116
 Formula: $y = b * x^m$
 m: 8.42440e-1
 b: 9.10990e-1
 x: Amount
 y: Height



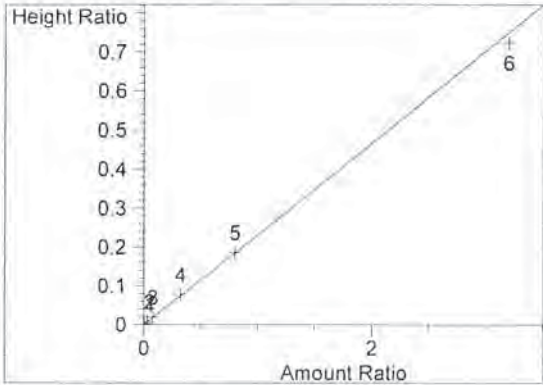
2-AMINO-4,6-DINITROTOLUENE at exp. RT: 9.009
 ECD1 B,
 Correlation: 0.99978
 Residual Std. Dev.: 0.05157
 Formula: $y = b * x^m$
 m: 8.64700e-1
 b: 1.00034
 x: Amount
 y: Height



SURROGATE (2,2'-DINITROBIPHENYL) at exp. RT: 9.526
 ECD1 B,
 Correlation: 0.99929
 Residual Std. Dev.: 0.11169
 Formula: $y = b * x^m$
 m: 9.31884e-1
 b: 9.96593e-1
 x: Amount
 y: Height



TETRYL at exp. RT: 9.622
 ECD1 B,
 Correlation: 0.99898
 Residual Std. Dev.: 0.01439
 Formula: $y = b * x^m$
 m: 1.28301
 b: 5.46633e-1
 x: Amount
 y: Height

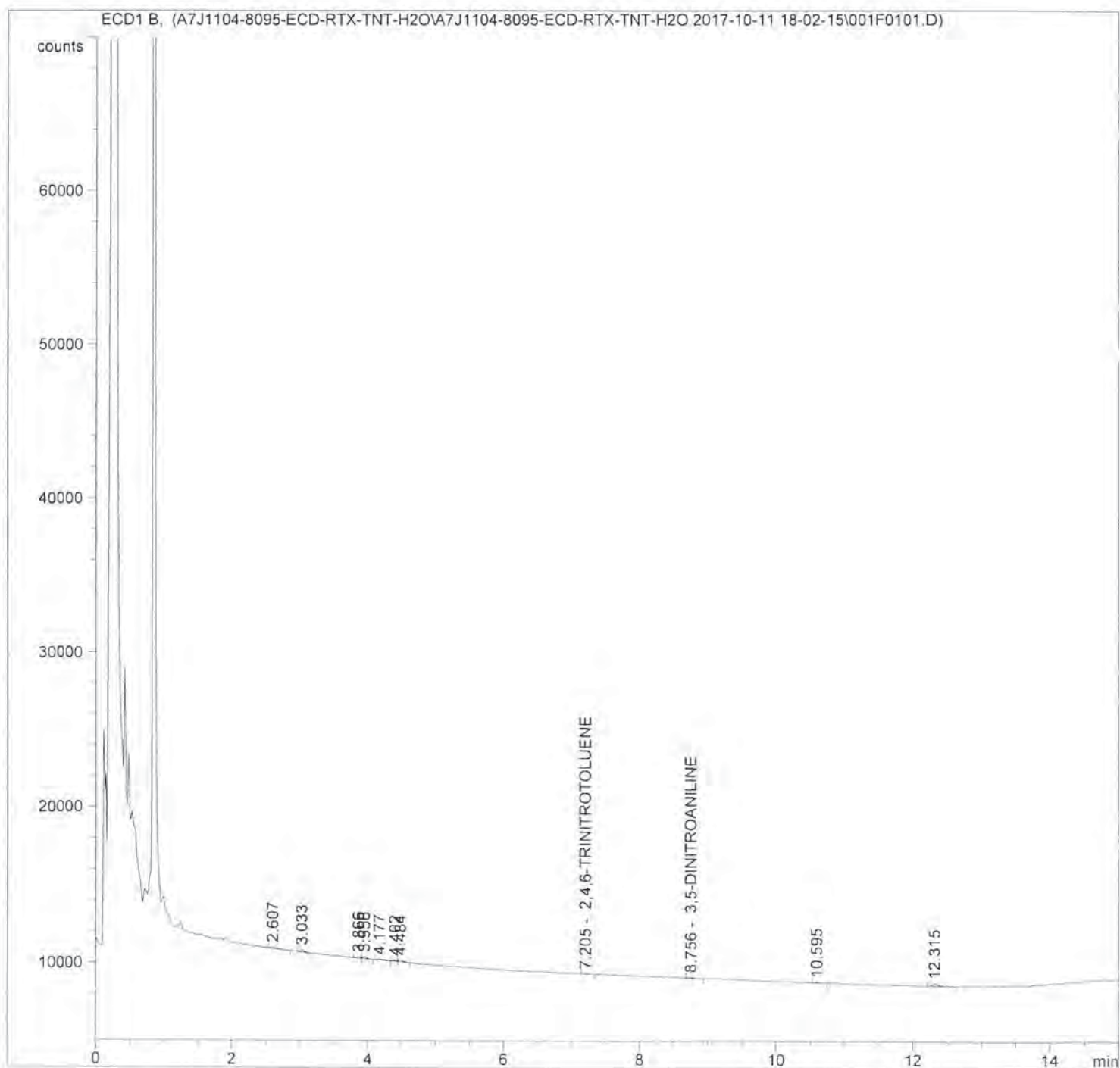


HMX at exp. RT: 12.247
ECD1 B,
Correlation: 0.99991
Residual Std. Dev.: 0.01362
Formula: $y = b * x^m$
m: 1.00924
b: 2.31627e-1
x: Amount
y: Height

=====

Sample Name: A7J1104-IBL1

```
=====
Acq. Operator   : RWJ                      Seq. Line :    1
Acq. Instrument : 3336A52146              Location  : Vial 1
Injection Date  : 10/11/2017 6:03:20 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



Sample Name: A7J1104-IBL1

```

=====
Acq. Operator   : RWJ                      Seq. Line :    1
Acq. Instrument : 3336A52146                Location  : Vial 1
Injection Date  : 10/11/2017 6:03:20 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====

```

```

=====
Internal Standard Report
=====

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      Thursday, October 12, 2017 10:12:05 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:       :      1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD ISTD Amount Name
#

```

```

---|-----|-----
1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.904	1		1	-	-	-		2-NITROTOLUENE
3.222	1		1	-	-	-		3-NITROTOLUENE
3.369	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1		1	-	-	-		NITROGLYCERIN
5.259	1		1	-	-	-		1,3-DINITROBENZENE
5.391	1		1	-	-	-		2,6-DINITROTOLUENE
5.957	1		1	-	-	-		2,4-DINITROTOLUENE
6.352	1		1	-	-	-		3,4-DINITROTOLUENE
7.039	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.205	1	BB	1	28.32805	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.831	1		1	-	-	-		PETN
8.151	1		1	-	-	-		RDX
8.695	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.756	1	BB	1	53.96216	0.00000	0.00000		3,5-DINITROANILINE
9.009	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.526	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.622	1		1	-	-	-		TETRYL
12.247	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

Sample Name: A7J1104-IBL1

```
=====
Acq. Operator   : RWJ                      Seq. Line :    1
Acq. Instrument : 3336A52146                Location  : Vial 1
Injection Date  : 10/11/2017 6:03:20 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

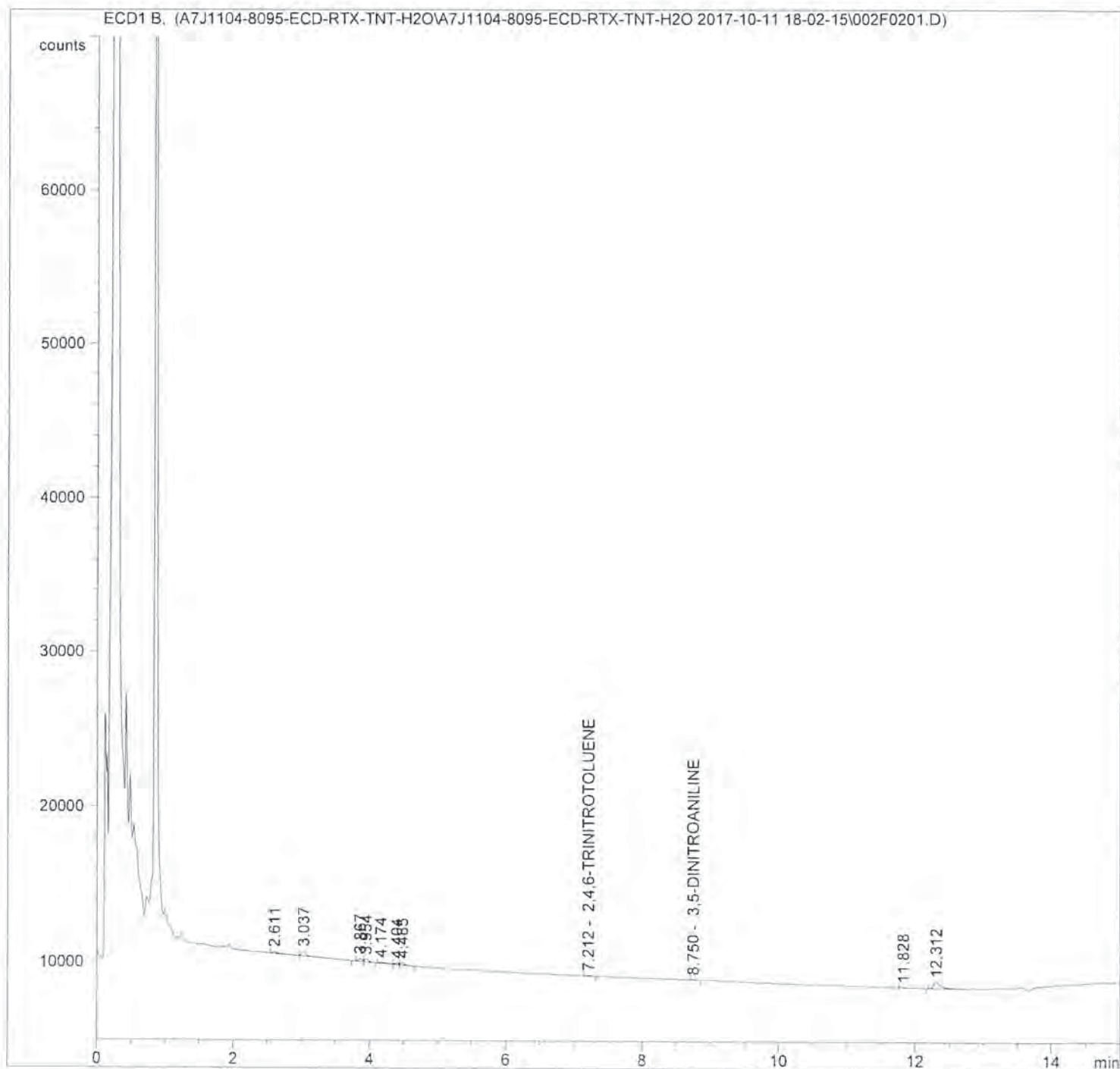
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

Sample Name: A7J1104-IBL2

```
=====
Acq. Operator   : RWJ                      Seq. Line :    2
Acq. Instrument : 3336A52146              Location  : Vial 2
Injection Date  : 10/11/2017 6:24:57 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



Sample Name: A7J1104-IBL2

```

=====
Acq. Operator   : RWJ                      Seq. Line :    2
Acq. Instrument : 3336A52146                Location  : Vial 2
Injection Date  : 10/11/2017 6:24:57 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====

```

```

=====
Internal Standard Report
=====

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      Thursday, October 12, 2017 10:12:05 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:       :      1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#

```

```

1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.904	1		1	-	-	-		2-NITROTOLUENE
3.222	1		1	-	-	-		3-NITROTOLUENE
3.369	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1		1	-	-	-		NITROGLYCERIN
5.259	1		1	-	-	-		1,3-DINITROBENZENE
5.391	1		1	-	-	-		2,6-DINITROTOLUENE
5.957	1		1	-	-	-		2,4-DINITROTOLUENE
6.352	1		1	-	-	-		3,4-DINITROTOLUENE
7.039	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.212	1	BB	1	39.69188	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.831	1		1	-	-	-		PETN
8.151	1		1	-	-	-		RDX
8.695	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.750	1	BB	1	31.51484	0.00000	0.00000		3,5-DINITROANILINE
9.009	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.526	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.622	1		1	-	-	-		TETRYL
12.247	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

Handwritten signature: Jucolup

Sample Name: A7J1104-IBL2

```
=====
Acq. Operator   : RWJ                      Seq. Line :    2
Acq. Instrument : 3336A52146              Location  : Vial 2
Injection Date  : 10/11/2017 6:24:57 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

[illegible]

Sample Name: A7J1104-CAL1

```

=====
Acq. Operator   : RWJ                      Seq. Line :    3
Acq. Instrument : 3336A52146              Location  : Vial 3
Injection Date  : 10/11/2017 6:46:25 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5
MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====

```

```

=====
Internal Standard Report
=====

```

```

Sorted By           : Retention Time
Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM
Multiplier:         : 1.0000
Dilution:           : 1.0000
Sample Amount:       : 1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD ISTD Amount Name
#

```

```

----|-----|-----|
1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.218	1	MM	1	365.28207	4.15337	9.91749e-4		NITROBENZENE
2.903	1	MM	1	108.93450	14.28166	1.01699e-3		2-NITROTOLUENE
3.225	1	MM	1	196.31689	7.66179	9.83244e-4		3-NITROTOLUENE
3.377	1	MM	1	112.74994	12.28368	9.05353e-4		4-NITROTOLUENE
4.352	1	MF +I	1	1.91222e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.635	1	FM	1	1764.88318	8.54486e-1	9.85812e-4		NITROGLYCERIN
5.271	1	MF	1	685.06696	1.98142	8.87327e-4		1,3-DINITROBENZENE
5.397	1	FM	1	3298.06543	4.61418e-1	9.94779e-4		2,6-DINITROTOLUENE
5.965	1	MM	1	1885.42334	7.82958e-1	9.64985e-4		2,4-DINITROTOLUENE
6.357	1	BV	1	3304.69946	4.56323e-1	9.85775e-4		3,4-DINITROTOLUENE
7.047	1	BV	1	1234.48767	1.14160	9.21244e-4		1,3,5-TRINITROBENZENE
7.210	1	VB	1	2733.86719	5.77042e-1	1.03124e-3		2,4,6-TRINITROTOLUENE
7.833	1	MM	1	962.74060	1.47855	9.30502e-4		PETN
8.154	1	MM	1	2056.94238	7.05827e-1	9.49060e-4		RDX
8.703	1	BV	1	2513.09668	5.90604e-1	9.70239e-4		4-AMINO-2,6-DINITROTOLUENE
8.763	1	VV	1	3086.19019	5.16278e-1	1.04155e-3		3,5-DINITROANILINE
9.015	1	VB	1	2848.73828	5.17578e-1	9.63833e-4		2-AMINO-4,6-DINITROTOLUENE
9.526	1	BV +	1	2010.24011	7.19429e-1	9.45385e-4		SURROGATE (2,2'-DINITROBIPHENYL)
9.629	1	VB	1	217.84808	7.14012	1.01679e-3		TETRYL
12.257	1	MF	1	333.96332	4.51488	9.85639e-4		HMX

```
Totals without ISTD(s) : 1.84715e-2
```

Sample Name: A7J1104-CAL1

```
=====
Acq. Operator   : RWJ                      Seq. Line :    3
Acq. Instrument : 3336A52146              Location  : Vial 3
Injection Date  : 10/11/2017 6:46:25 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

I Warnings or Errors :

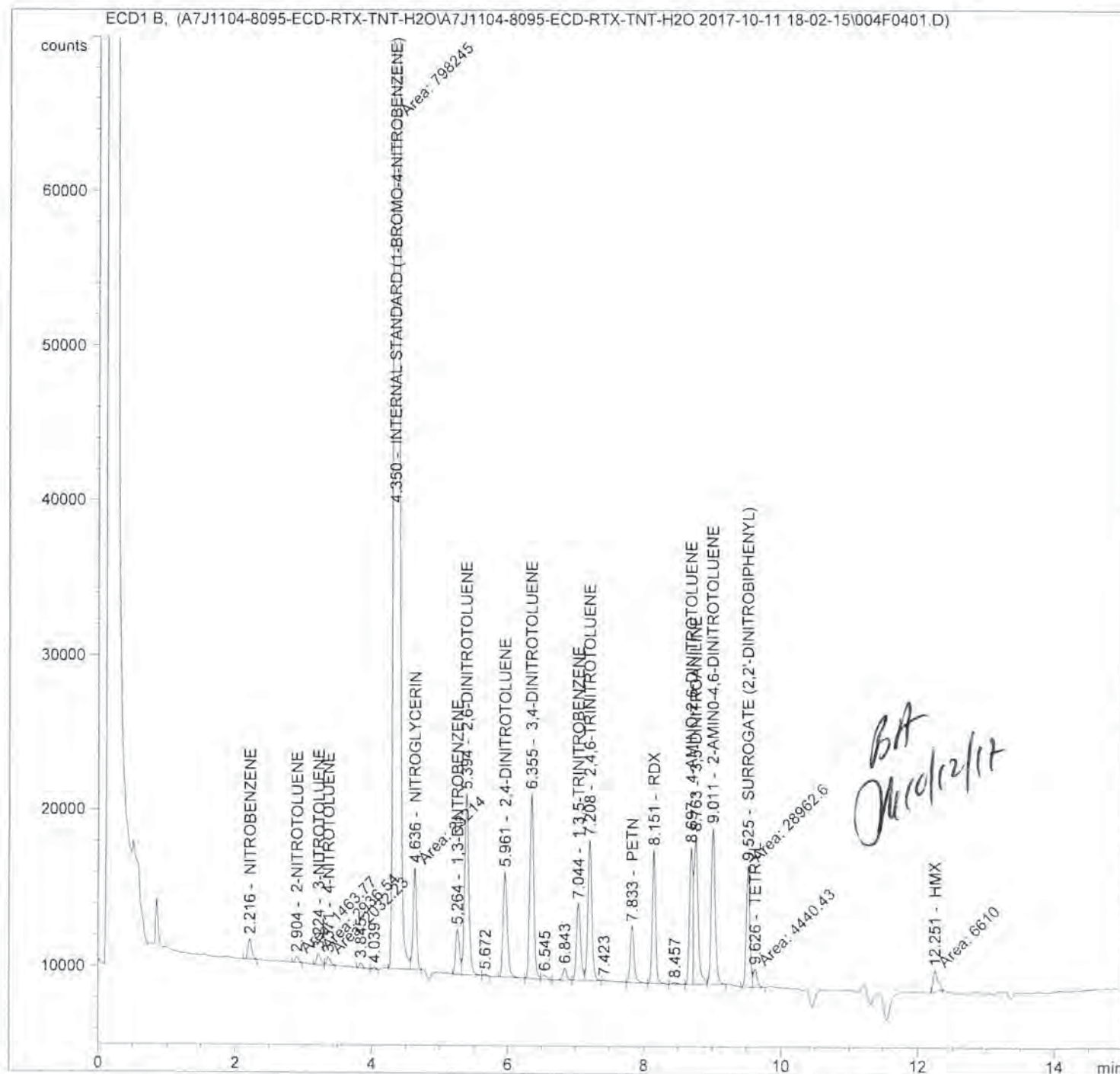
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 4
Acq. Instrument	: 3336A52146	Location	: Vial 4
Injection Date	: 10/11/2017 7:08:00 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P). INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 4
Acq. Instrument	: 3336A52146	Location	: Vial 4
Injection Date	: 10/11/2017 7:08:00 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD ISTD Amount Name

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1	BB	1	1310.72717	4.65739	3.97518e-3		NITROBENZENE
2.904	1	MM	1	386.24268	15.18289	3.81871e-3		2-NITROTOLUENE
3.224	1	MF	1	717.47601	8.35737	3.90462e-3		3-NITROTOLUENE
3.371	1	FM	1	507.76947	12.65130	4.18315e-3		4-NITROTOLUENE
4.350	1	MF +I	1	1.91959e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.636	1	FM	1	6526.52002	9.46676e-1	4.02332e-3		NITROGLYCERIN
5.264	1	BV	1	2906.70898	2.26092	4.27945e-3		1,3-DINITROBENZENE
5.394	1	VB	1	1.15246e4	5.42886e-1	4.07416e-3		2,6-DINITROTOLUENE
5.961	1	BB	1	6755.92676	9.38111e-1	4.12706e-3		2,4-DINITROTOLUENE
6.355	1	BV	1	1.18053e4	5.26826e-1	4.04991e-3		3,4-DINITROTOLUENE
7.044	1	BV	1	4930.09375	1.32409	4.25085e-3		1,3,5-TRINITROBENZENE
7.208	1	VB	1	8920.05859	6.52715e-1	3.79134e-3		2,4,6-TRINITROTOLUENE
7.833	1	BV	1	3656.05908	1.72016	4.09527e-3		PETN
8.151	1	VB	1	8508.90430	7.20103e-1	3.98997e-3		RDX
8.697	1	BV	1	8717.69141	7.20057e-1	4.08762e-3		4-AMINO-2,6-DINITROTOLUENE
8.763	1	VV	1	9439.32910	6.35882e-1	3.90858e-3		3,5-DINITROANILINE
9.011	1	VB	1	9942.35840	6.29003e-1	4.07234e-3		2-AMINO-4,6-DINITROTOLUENE
9.525	1	MF +	1	7770.78027	7.93941e-1	4.01749e-3		SURROGATE (2,2'-DINITROBIPHENYL)
9.626	1	FM	1	1166.57739	4.93539	3.74919e-3		TETRYL
12.251	1	MM	1	1358.72913	4.45739	3.94381e-3		HMX

Totals without ISTD(s) : 7.63420e-2

Macro/r2/r7

```
=====
Acq. Operator   : RWJ                      Seq. Line :    4
Acq. Instrument : 3336A52146              Location  : Vial 4
Injection Date  : 10/11/2017 7:08:00 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

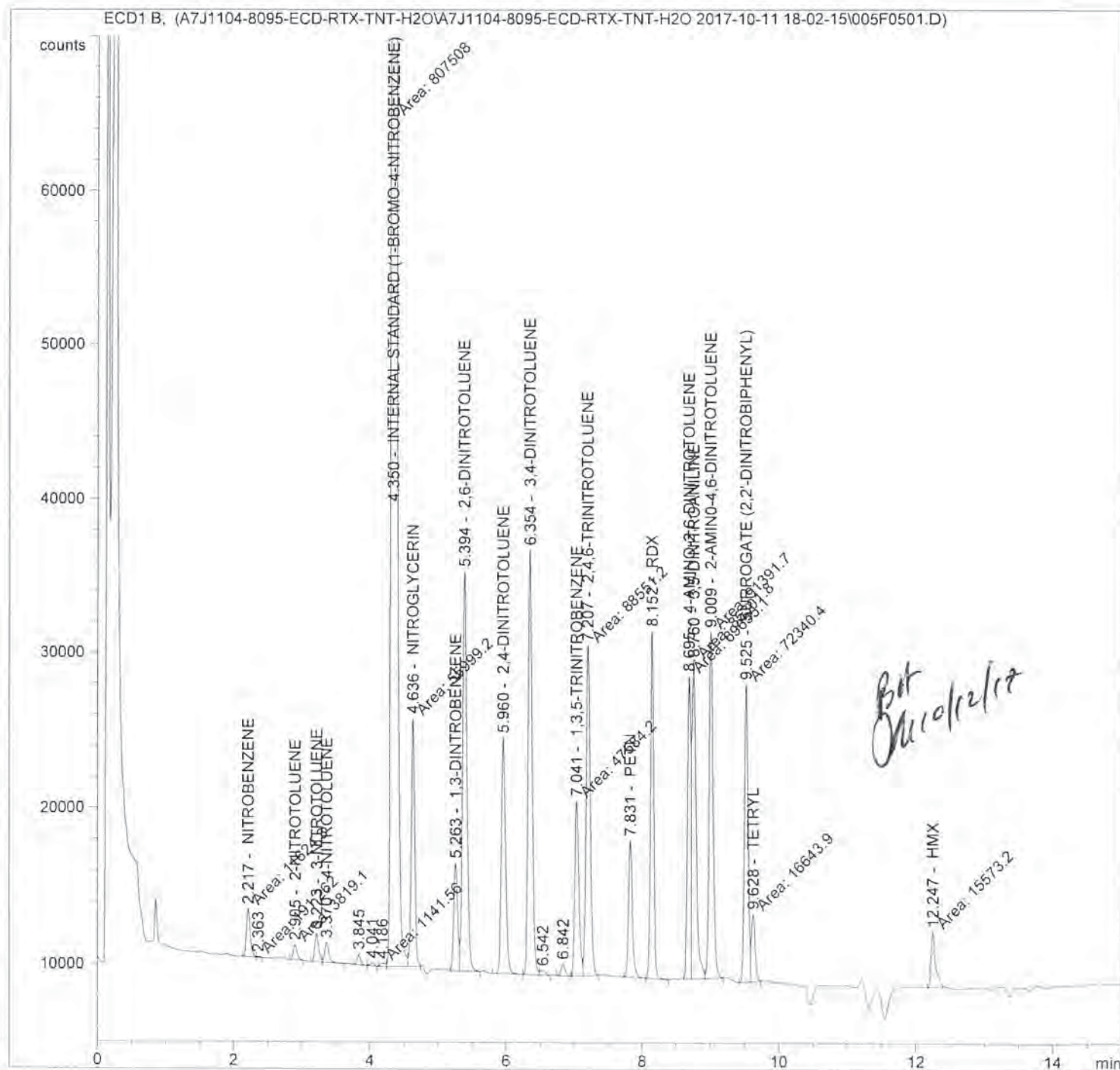
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 5
Acq. Instrument	: 3336A52146	Location	: Vial 5
Injection Date	: 10/11/2017 7:29:31 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 5
Acq. Instrument	: 3336A52146	Location	: Vial 5
Injection Date	: 10/11/2017 7:29:31 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD #	ISTD Amount	Name
--------	-------------	------

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.217	1	MF	1	3090.51782	5.02598	1.00073e-2		NITROBENZENE
2.905	1	MM	1	972.65082	15.87013	9.94497e-3		2-NITROTOLUENE
3.223	1	BV	1	1799.53052	8.88411	1.03000e-2		3-NITROTOLUENE
3.370	1	VB	1	1282.30933	12.88096	1.06416e-2		4-NITROTOLUENE
4.350	1	FM +I	1	1.94019e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.636	1	FM	1	1.58753e4	1.01431	1.03743e-2		NITROGLYCERIN
5.263	1	BV	1	6894.36572	2.44454	1.08582e-2		1,3-DINITROBENZENE
5.394	1	VB	1	2.57338e4	6.01981e-1	9.98052e-3		2,6-DINITROTOLUENE
5.960	1	BB	1	1.50991e4	1.05008	1.02150e-2		2,4-DINITROTOLUENE
6.354	1	BV	1	2.73516e4	5.78687e-1	1.01975e-2		3,4-DINITROTOLUENE
7.041	1	MF	1	1.11974e4	1.44438	1.04199e-2		1,3,5-TRINITROBENZENE
7.207	1	FM	1	2.11767e4	7.13662e-1	9.73679e-3		2,4,6-TRINITROTOLUENE
7.831	1	BB	1	8731.79492	1.89693	1.06714e-2		PETN
8.152	1	BB	1	2.22899e4	7.29866e-1	1.04814e-2		RDX
8.695	1	MF	1	1.93874e4	8.16780e-1	1.02021e-2		4-AMINO-2,6-DINITROTOLUENE
8.760	1	FM	1	2.03052e4	7.32364e-1	9.58075e-3		3,5-DINITROANILINE
9.009	1	FM	1	2.22118e4	7.12116e-1	1.01906e-2		2-AMINO-4,6-DINITROTOLUENE
9.525	1	MF +	1	1.90573e4	8.47085e-1	1.04005e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.628	1	FM	1	4335.16455	3.70332	1.03434e-2		TETRYL
12.247	1	MM	1	3537.90527	4.41894	1.00723e-2		HMX

Totals without ISTD(s) : 1.94619e-1

Ja 10/12/17

Sample Name: A7J1104-CAL3

```
=====
Acq. Operator   : RWJ                      Seq. Line :    5
Acq. Instrument : 3336A52146                Location  : Vial 5
Injection Date  : 10/11/2017 7:29:31 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

Sample Name: A7J1104-CAL4

=====

Acq. Operator : RWJ Seq. Line : 6
Acq. Instrument : 3336A52146 Location : Vial 6
Injection Date : 10/11/2017 7:51:04 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

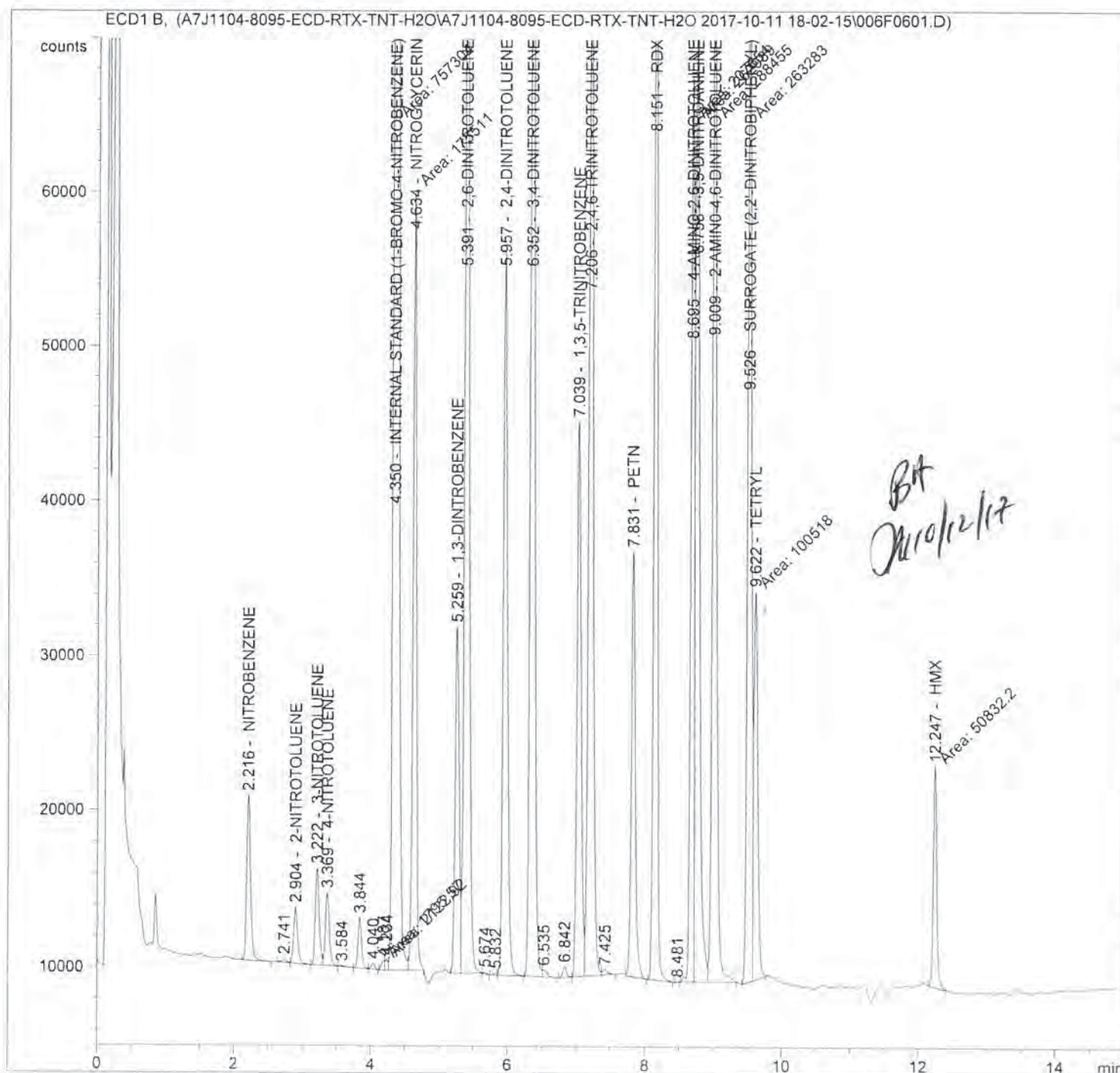
Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPITTER LINER USING A GOLD SEAL.

=====



Sample Name: A7J1104-CAL4

```

=====
Acq. Operator   : RWJ                      Seq. Line :    6
Acq. Instrument : 3336A52146              Location  : Vial 6
Injection Date  : 10/11/2017 7:51:04 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====

```

```

=====
Internal Standard Report
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```

```

Sorted By           :      Retention Time
Calib. Data Modified :      Thursday, October 12, 2017 10:12:05 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:       :      1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#

```

```

1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1	BB	1	1.05174e4	5.64200	4.06411e-2		NITROBENZENE
2.904	1	VB	1	3570.66431	16.95341	4.14600e-2		2-NITROTOLUENE
3.222	1	BV	1	6183.42188	9.69282	4.10489e-2		3-NITROTOLUENE
3.369	1	VB	1	4650.11865	13.22700	4.21258e-2		4-NITROTOLUENE
4.350	1	FM +I	1	1.82510e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1	FM	1	5.03946e4	1.11603	3.85196e-2		NITROGLYCERIN
5.259	1	BV	1	2.22510e4	2.73661	4.17046e-2		1,3-DINITROBENZENE
5.391	1	VB	1	8.17072e4	7.05428e-1	3.94762e-2		2,6-DINITROTOLUENE
5.957	1	VB	1	4.66633e4	1.24342	3.97389e-2		2,4-DINITROTOLUENE
6.352	1	BV	1	8.65305e4	6.63838e-1	3.93418e-2		3,4-DINITROTOLUENE
7.039	1	BV	1	3.56958e4	1.64667	4.02575e-2		1,3,5-TRINITROBENZENE
7.206	1	VV	1	7.26027e4	8.16972e-1	4.06241e-2		2,4,6-TRINITROTOLUENE
7.831	1	VB	1	2.73122e4	2.17476	4.06810e-2		PETN
8.151	1	BB	1	8.06315e4	7.43900e-1	4.10811e-2		RDX
8.695	1	MF	1	5.83986e4	9.83758e-1	3.93472e-2		4-AMINO-2,6-DINITROTOLUENE
8.758	1	FM	1	6.31279e4	9.15854e-1	3.95977e-2		3,5-DINITROANILINE
9.009	1	FM	1	6.87206e4	8.57937e-1	4.03799e-2		2-AMINO-4,6-DINITROTOLUENE
9.526	1	MF +	1	6.54590e4	9.31194e-1	4.17477e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.622	1	FM	1	2.49417e4	2.48375	4.24284e-2		TETRYL
12.247	1	MM	1	1.40706e4	4.36099	4.20264e-2		HMX

Totals without ISTD(s) : 7.72228e-1

```
=====
Acq. Operator   : RWJ                      Seq. Line :    6
Acq. Instrument : 3336A52146              Location  : Vial 6
Injection Date  : 10/11/2017 7:51:04 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

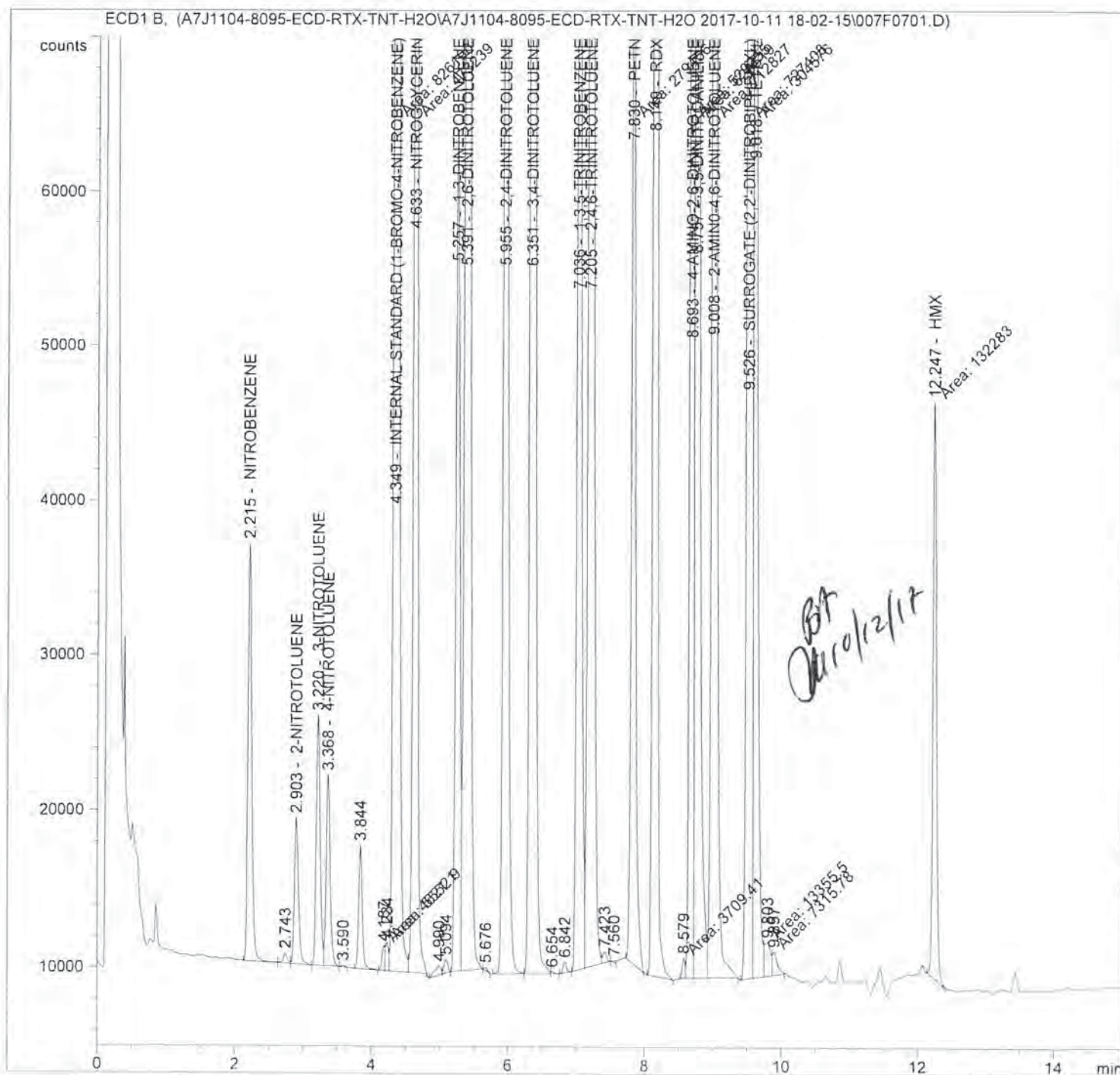
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 7
Acq. Instrument	: 3336A52146	Location	: Vial 7
Injection Date	: 10/11/2017 8:12:34 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 7
Acq. Instrument	: 3336A52146	Location	: Vial 7
Injection Date	: 10/11/2017 8:12:34 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.215	1	BV	1	2.68603e4	6.09116	1.02852e-1		NITROBENZENE
2.903	1	VB	1	9326.78027	17.68778	1.03707e-1		2-NITROTOLUENE
3.220	1	BV	1	1.59814e4	10.27259	1.03204e-1		3-NITROTOLUENE
3.368	1	VB	1	1.21752e4	13.45682	1.02996e-1		4-NITROTOLUENE
4.349	1	FM +I	1	1.98842e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.633	1	FM	1	1.33868e5	1.19699	1.00732e-1		NITROGLYCERIN
5.257	1	BV	1	5.42109e4	2.94584	1.00392e-1		1,3-DINITROBENZENE
5.391	1	VB	1	2.00559e5	7.84219e-1	9.88743e-2		2,6-DINITROTOLUENE
5.955	1	BB	1	1.14500e5	1.39546	1.00444e-1		2,4-DINITROTOLUENE
6.351	1	BV	1	2.17211e5	7.29609e-1	9.96262e-2		3,4-DINITROTOLUENE
7.036	1	BV	1	9.10673e4	1.80423	1.03290e-1		1,3,5-TRINITROBENZENE
7.205	1	VV	1	1.94030e5	8.97318e-1	1.09450e-1		2,4,6-TRINITROTOLUENE
7.830	1	MM	1	6.86806e4	2.39185	1.03269e-1		PETN
8.149	1	BB	1	2.25159e5	7.53866e-1	1.06706e-1		RDX
8.693	1	MF	1	1.46260e5	1.12374	1.03323e-1		4-AMINO-2,6-DINITROTOLUENE
8.757	1	FM	1	1.54151e5	1.06508	1.03212e-1		3,5-DINITROANILINE
9.008	1	FM	1	1.68857e5	9.74367e-1	1.03429e-1		2-AMINO-4,6-DINITROTOLUENE
9.526	1	MF +	1	1.69064e5	9.91838e-1	1.05413e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.618	1	FM	1	7.70932e4	1.97339	9.56381e-2		TETRYL
12.247	1	MM	1	3.70773e4	4.32587	1.00829e-1		HMX

Totals without ISTD(s) : 1.94739

Jan 10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :    7
Acq. Instrument : 3336A52146              Location  : Vial 7
Injection Date  : 10/11/2017 8:12:34 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

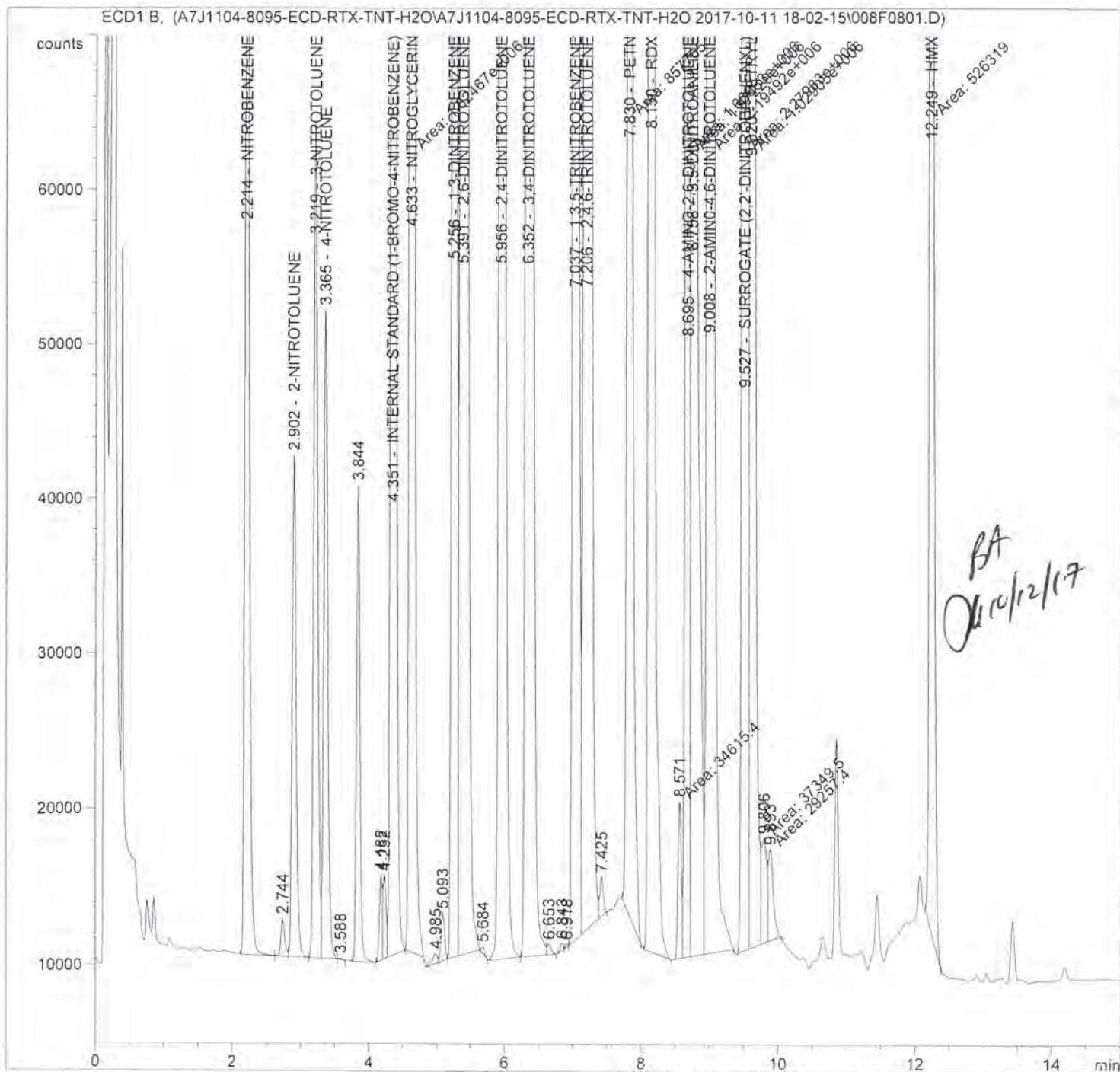
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 8
Acq. Instrument	: 3336A52146	Location	: Vial 8
Injection Date	: 10/11/2017 8:34:08 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 8
Acq. Instrument	: 3336A52146	Location	: Vial 8
Injection Date	: 10/11/2017 8:34:08 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.214	1	BV	1	8.99685e4	6.79638	3.88082e-1		NITROBENZENE
2.902	1	VB	1	3.23080e4	18.79494	3.85395e-1		2-NITROTOLUENE
3.219	1	BV	1	5.39571e4	11.15569	3.82033e-1		3-NITROTOLUENE
3.365	1	VB	1	4.18190e4	13.78962	3.66000e-1		4-NITROTOLUENE
4.351	1	VB +I	1	1.96949e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.633	1	MM	1	4.77144e5	1.32369	4.00858e-1		NITROGLYCERIN
5.256	1	BV	1	1.77713e5	3.28695	3.70739e-1		1,3-DINITROBENZENE
5.391	1	VB	1	6.92124e5	9.22791e-1	4.05362e-1		2,6-DINITROTOLUENE
5.956	1	BB	1	3.75407e5	1.65417	3.94128e-1		2,4-DINITROTOLUENE
6.352	1	BV	1	7.51782e5	8.40600e-1	4.01085e-1		3,4-DINITROTOLUENE
7.037	1	BV	1	2.90511e5	2.04571	3.77192e-1		1,3,5-TRINITROBENZENE
7.206	1	VV	1	5.90411e5	1.00903	3.78105e-1		2,4,6-TRINITROTOLUENE
7.830	1	MM	1	2.16345e5	2.72831	3.74625e-1		PETN
8.150	1	BB	1	7.55658e5	7.66988e-1	3.67849e-1		RDX
8.695	1	MF	1	4.54420e5	1.34902	3.89074e-1		4-AMINO-2,6-DINITROTOLUENE
8.758	1	FM	1	4.79504e5	1.31927	4.01496e-1		3,5-DINITROANILINE
9.008	1	FM	1	5.18923e5	1.16323	3.83110e-1		2-AMINO-4,6-DINITROTOLUENE
9.527	1	MF +	1	5.37085e5	1.08003	3.68159e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.620	1	FM	1	2.44568e5	1.52651	2.36949e-1		TETRYL
12.249	1	MM	1	1.42255e5	4.27256	3.85754e-1		HMX

Totals without ISTD(s) : 7.15600

Not used in 10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :    8
Acq. Instrument : 3336A52146              Location  : Vial 8
Injection Date  : 10/11/2017 8:34:08 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

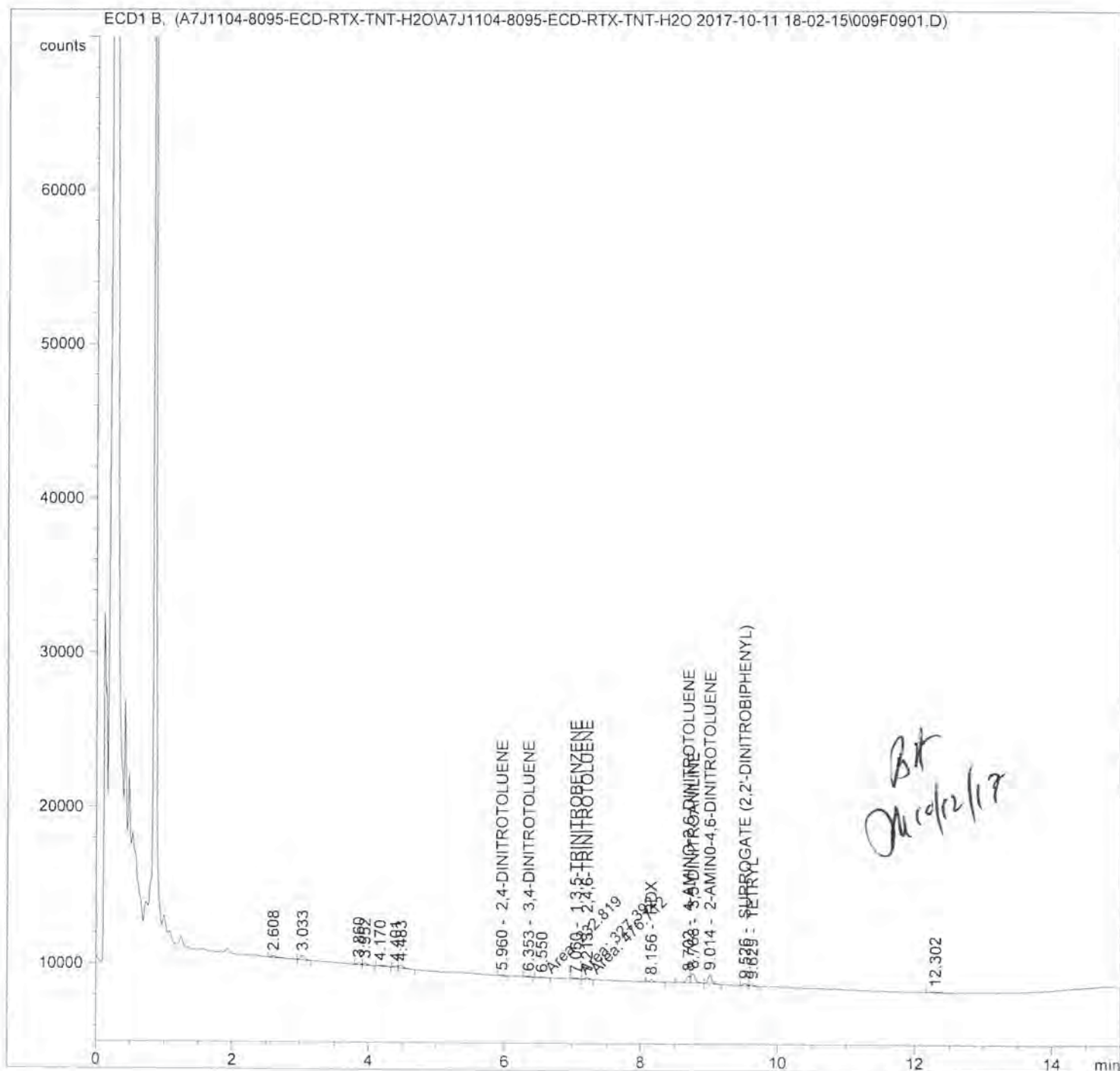
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 9
Acq. Instrument	: 3336A52146	Location	: Vial 9
Injection Date	: 10/11/2017 8:55:42 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 9
Acq. Instrument	: 3336A52146	Location	: Vial 9
Injection Date	: 10/11/2017 8:55:42 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.903	1		1	-	-	-		2-NITROTOLUENE
3.222	1		1	-	-	-		3-NITROTOLUENE
3.369	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1		1	-	-	-		NITROGLYCERIN
5.259	1		1	-	-	-		1,3-DINITROBENZENE
5.391	1		1	-	-	-		2,6-DINITROTOLUENE
5.960	1	BB	1	42.12947	0.00000	0.00000		2,4-DINITROTOLUENE
6.353	1	BB	1	73.99322	0.00000	0.00000		3,4-DINITROTOLUENE
7.050	1	MM	1	77.81145	0.00000	0.00000		1,3,5-TRINITROBENZENE
7.213	1	MM	1	119.80974	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.831	1		1	-	-	-		PETN
8.156	1	BB	1	159.82423	0.00000	0.00000		RDX
8.702	1	BV	1	423.09488	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE
8.768	1	VB	1	590.11731	0.00000	0.00000		3,5-DINITROANILINE
9.014	1	BB	1	545.75140	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.526	1	BV +	1	151.71664	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.629	1	VB	1	132.84763	0.00000	0.00000		TETRYL
12.246	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

OK 10/12/17

Sample Name: A7J1104-IBL3

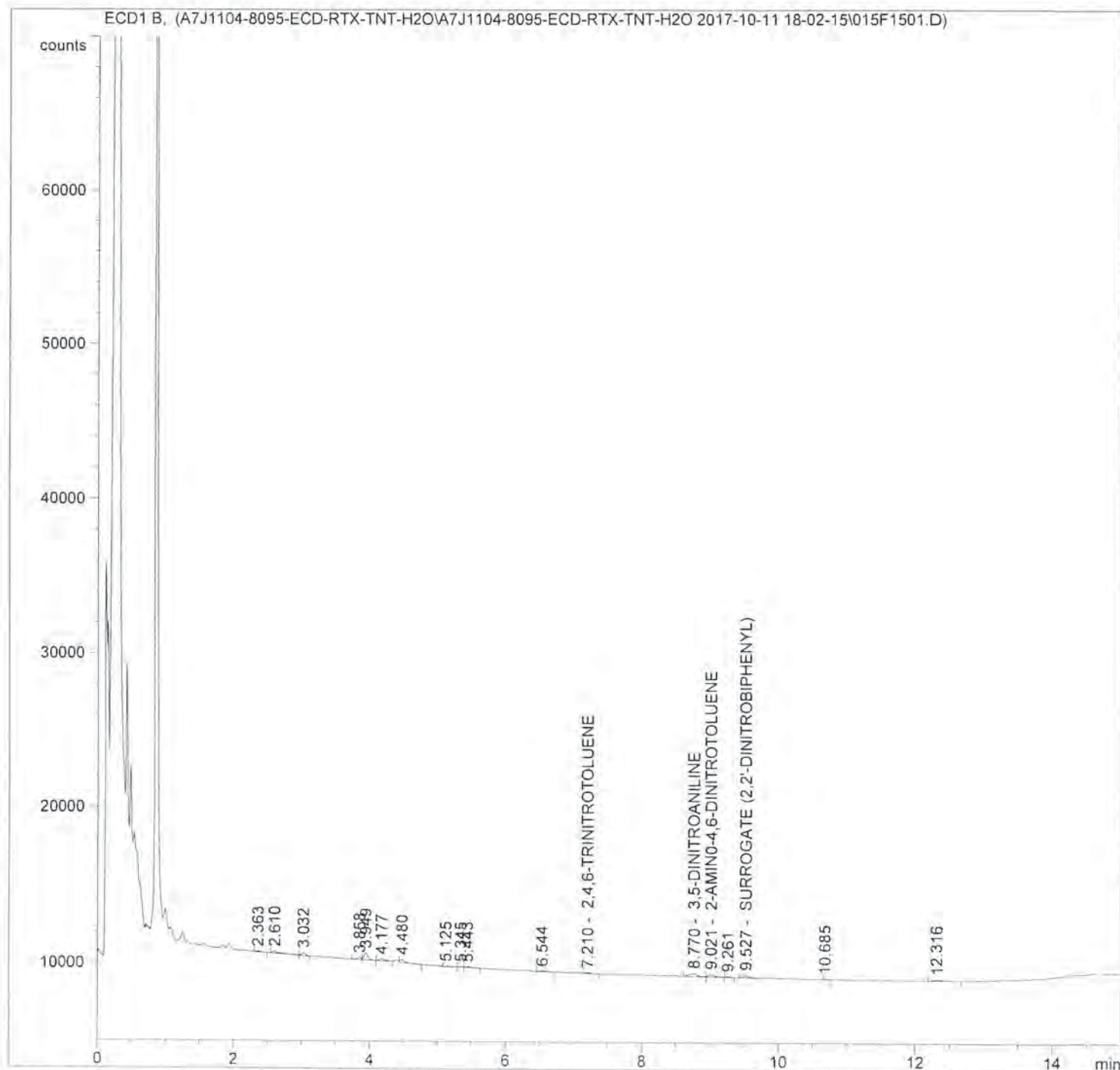
```
=====
Acq. Operator   : RWJ                               Seq. Line :    9
Acq. Instrument : 3336A52146                         Location  : Vial 9
Injection Date  : 10/11/2017 8:55:42 PM              Inj       :    1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   15
Acq. Instrument : 3336A52146              Location  : Vial 15
Injection Date  : 10/11/2017 11:04:25 PM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                                           H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                                           MICRON FILM, (S/N 1153047/P).
                                           INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 15
Acq. Instrument	: 3336A52146	Location	: Vial 15
Injection Date	: 10/11/2017 11:04:25 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.904	1		1	-	-	-		2-NITROTOLUENE
3.222	1		1	-	-	-		3-NITROTOLUENE
3.369	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1		1	-	-	-		NITROGLYCERIN
5.259	1		1	-	-	-		1,3-DINITROBENZENE
5.392	1		1	-	-	-		2,6-DINITROTOLUENE
5.958	1		1	-	-	-		2,4-DINITROTOLUENE
6.353	1		1	-	-	-		3,4-DINITROTOLUENE
7.040	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.210	1	BB	1	59.55287	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.832	1		1	-	-	-		PETN
8.151	1		1	-	-	-		RDX
8.695	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.770	1	BV	1	198.65355	0.00000	0.00000		3,5-DINITROANILINE
9.021	1	VV	1	176.90033	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.527	1	BB +	1	180.49779	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.623	1		1	-	-	-		TETRYL
12.248	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

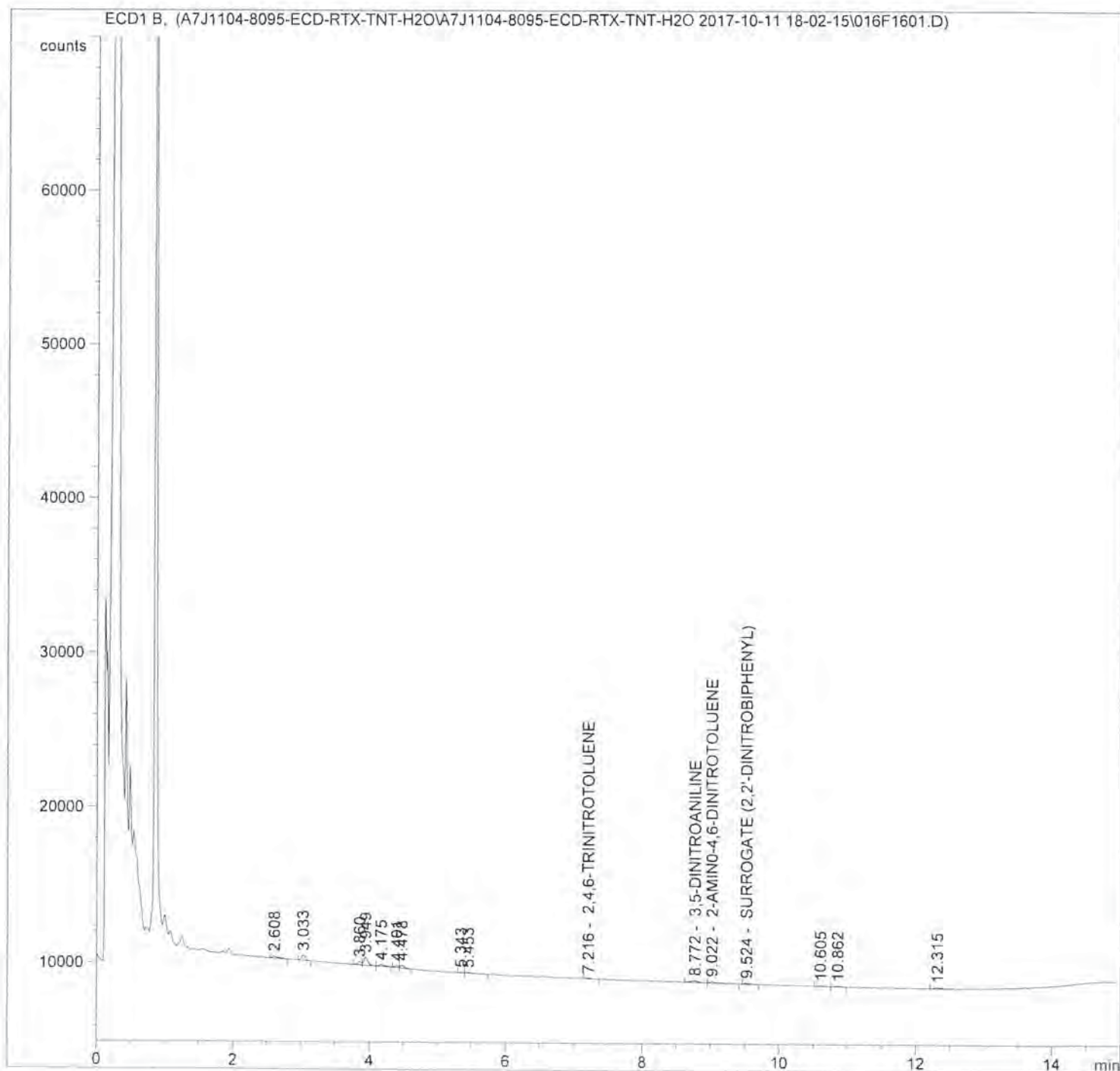
```
=====
Acq. Operator   : RWJ                      Seq. Line :   15
Acq. Instrument : 3336A52146              Location  : Vial 15
Injection Date  : 10/11/2017 11:04:25 PM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL,
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   16
Acq. Instrument : 3336A52146              Location  : Vial 16
Injection Date  : 10/11/2017 11:26:00 PM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 16
Acq. Instrument	: 3336A52146	Location	: Vial 16
Injection Date	: 10/11/2017 11:26:00 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.215	1		1	-	-	-		NITROBENZENE
2.903	1		1	-	-	-		2-NITROTOLUENE
3.221	1		1	-	-	-		3-NITROTOLUENE
3.368	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.633	1		1	-	-	-		NITROGLYCERIN
5.257	1		1	-	-	-		1,3-DINITROBENZENE
5.390	1		1	-	-	-		2,6-DINITROTOLUENE
5.956	1		1	-	-	-		2,4-DINITROTOLUENE
6.351	1		1	-	-	-		3,4-DINITROTOLUENE
7.038	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.216	1	BB	1	45.94939	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.830	1		1	-	-	-		PETN
8.149	1		1	-	-	-		RDX
8.693	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.772	1	BV	1	114.54887	0.00000	0.00000		3,5-DINITROANILINE
9.022	1	VB	1	91.47166	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.524	1	BB +	1	62.69372	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.619	1		1	-	-	-		TETRYL
12.244	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

Sample Name: A7J1104-IBL5

```
=====
Acq. Operator   : RWJ                      Seq. Line :   16
Acq. Instrument : 3336A52146              Location  : Vial 16
Injection Date  : 10/11/2017 11:26:00 PM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

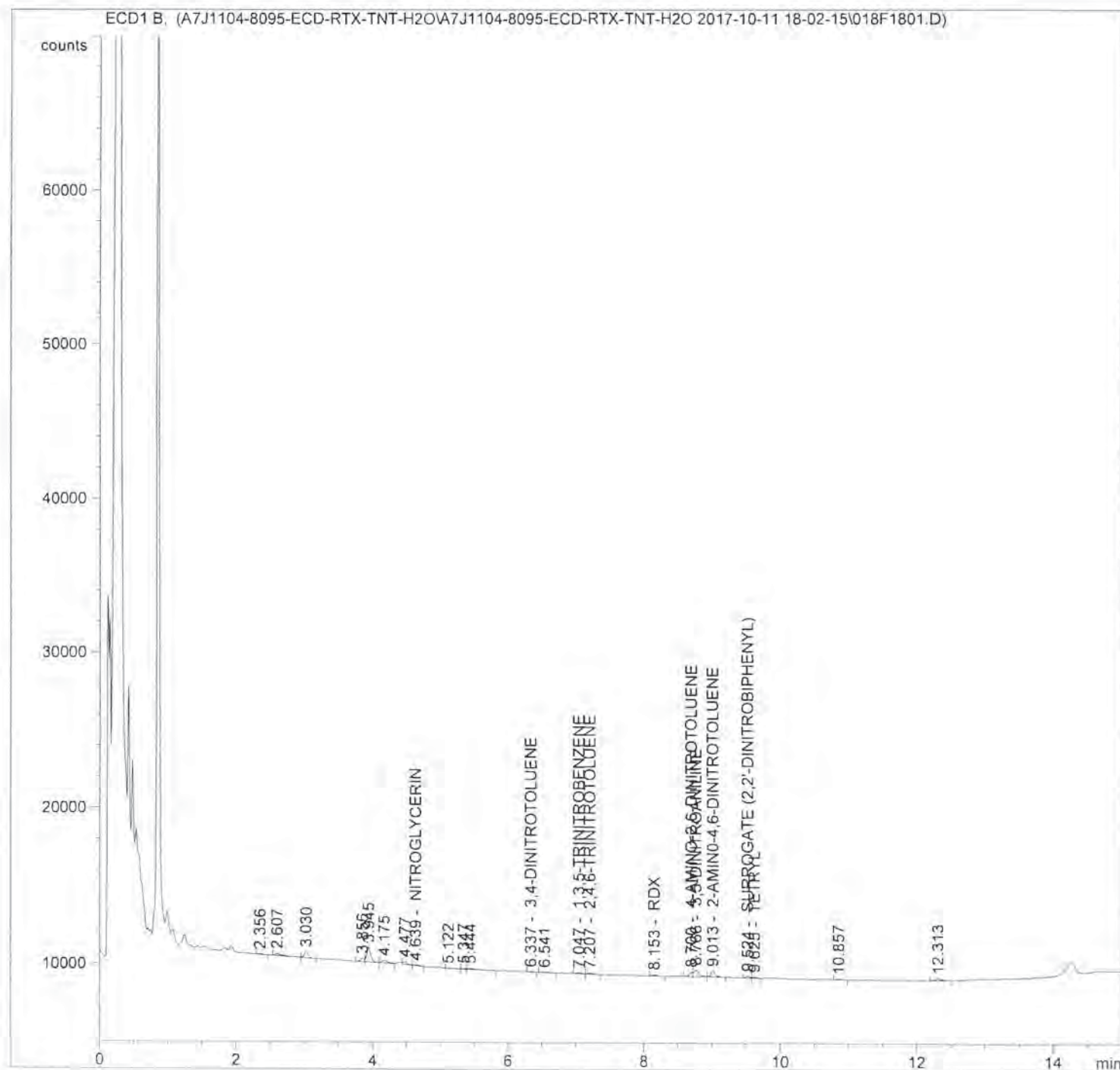
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

Sample Name: A7J1104-IBL6

```
=====
Acq. Operator   : RWJ                      Seq. Line :   18
Acq. Instrument : 3336A52146              Location  : Vial 18
Injection Date  : 10/12/2017 12:09:05 AM Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 18
Acq. Instrument	: 3336A52146	Location	: Vial 18
Injection Date	: 10/12/2017 12:09:05 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P),
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

-----|-----|-----

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.215	1		1	-	-	-		NITROBENZENE
2.903	1		1	-	-	-		2-NITROTOLUENE
3.221	1		1	-	-	-		3-NITROTOLUENE
3.368	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.639	1	BB	1	49.85284	0.00000	0.00000		NITROGLYCERIN
5.257	1		1	-	-	-		1,3-DINITROBENZENE
5.390	1		1	-	-	-		2,6-DINITROTOLUENE
5.956	1		1	-	-	-		2,4-DINITROTOLUENE
6.337	1	BB	1	38.06376	0.00000	0.00000		3,4-DINITROTOLUENE
7.047	1	BV	1	67.63820	0.00000	0.00000		1,3,5-TRINITROBENZENE
7.207	1	VB	1	78.87214	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.829	1		1	-	-	-		PETN
8.153	1	BB	1	89.42770	0.00000	0.00000		RDX
8.700	1	BV	1	271.03619	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE
8.766	1	VB	1	397.43661	0.00000	0.00000		3,5-DINITROANILINE
9.013	1	BB	1	356.23953	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.524	1	BV +	1	111.94836	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.625	1	VB	1	71.91349	0.00000	0.00000		TETRYL
12.244	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

Micro/17

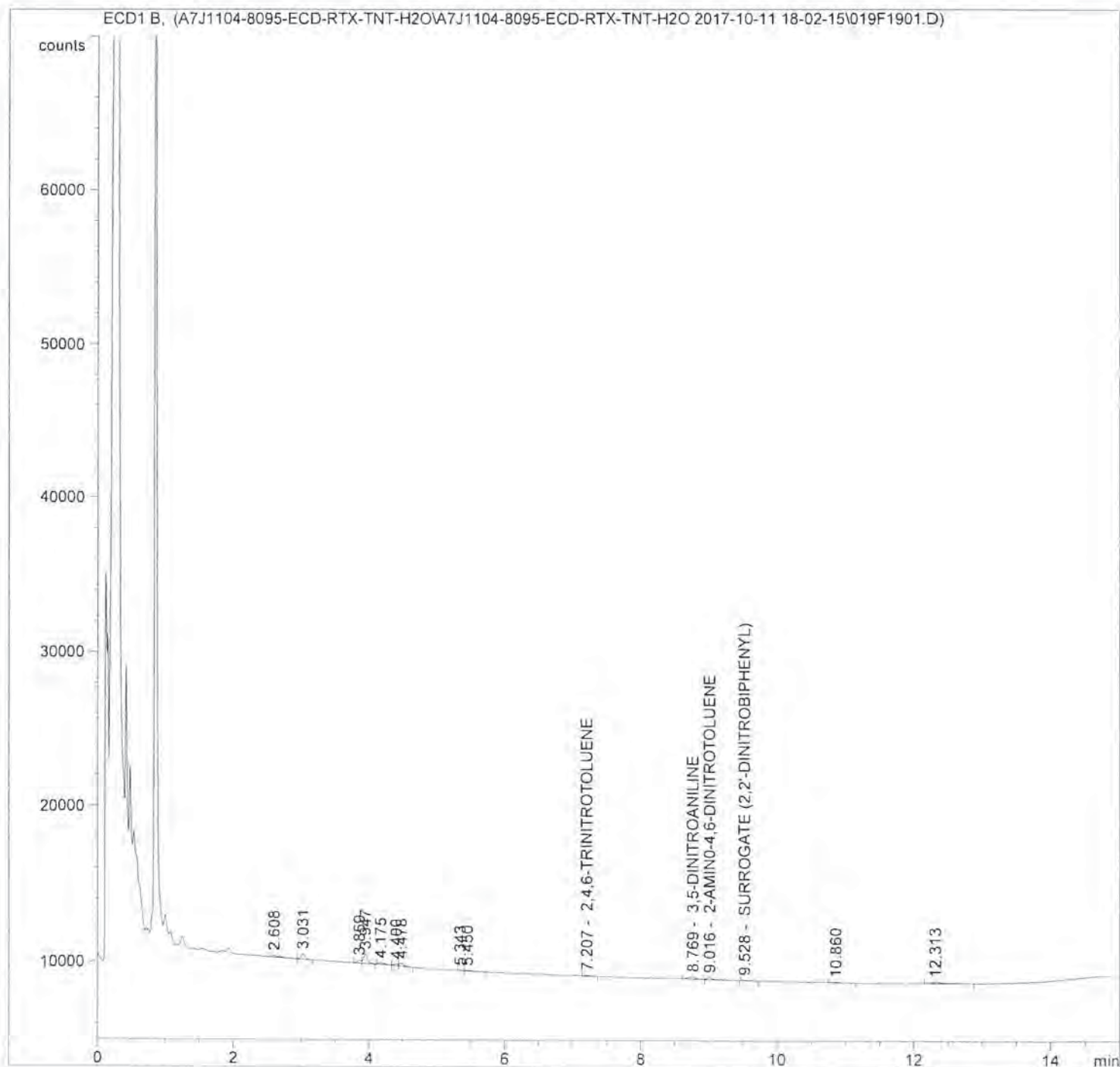
```
=====
Acq. Operator   : RWJ                      Seq. Line :   18
Acq. Instrument : 3336A52146              Location  : Vial 18
Injection Date  : 10/12/2017 12:09:05 AM   Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   19
Acq. Instrument : 3336A52146              Location  : Vial 19
Injection Date  : 10/12/2017 12:30:37 AM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                                           H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                                           MICRON FILM, (S/N 1153047/P).
                                           INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 19
Acq. Instrument	: 3336A52146	Location	: Vial 19
Injection Date	: 10/12/2017 12:30:37 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD #	ISTD Amount	Name
--------	-------------	------

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.904	1		1	-	-	-		2-NITROTOLUENE
3.223	1		1	-	-	-		3-NITROTOLUENE
3.370	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.635	1		1	-	-	-		NITROGLYCERIN
5.260	1		1	-	-	-		1,3-DINITROBENZENE
5.393	1		1	-	-	-		2,6-DINITROTOLUENE
5.959	1		1	-	-	-		2,4-DINITROTOLUENE
6.354	1		1	-	-	-		3,4-DINITROTOLUENE
7.041	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.207	1	BB	1	52.75987	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.833	1		1	-	-	-		PETN
8.152	1		1	-	-	-		RDX
8.697	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.769	1	BV	1	157.60352	0.00000	0.00000		3,5-DINITROANILINE
9.016	1	VB	1	134.13893	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.528	1	BB +	1	43.75865	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.624	1		1	-	-	-		TETRYL
12.250	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

On 10/12/17

=====

Acq. Operator	: RWJ	Seq. Line	: 19
Acq. Instrument	: 3336A52146	Location	: Vial 19
Injection Date	: 10/12/2017 12:30:37 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P). INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

=====

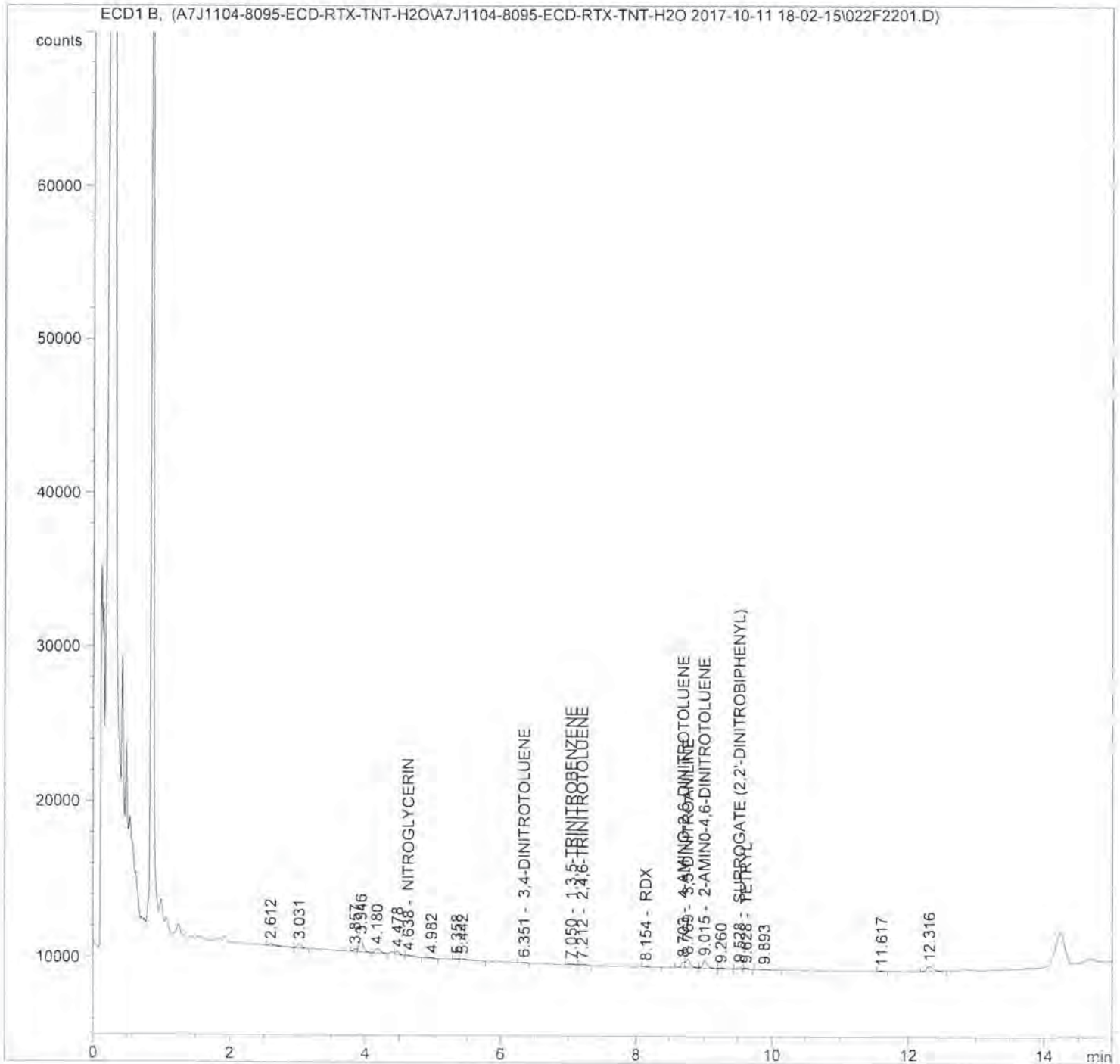
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

=====

*** End of Report ***

```
=====
Acq. Operator   : RWJ                      Seq. Line :   22
Acq. Instrument : 3336A52146              Location  : Vial 22
Injection Date  : 10/12/2017 1:35:18 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 22
Acq. Instrument	: 3336A52146	Location	: Vial 22
Injection Date	: 10/12/2017 1:35:18 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.904	1		1	-	-	-		2-NITROTOLUENE
3.222	1		1	-	-	-		3-NITROTOLUENE
3.369	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.638	1	BB	1	57.77278	0.00000	0.00000		NITROGLYCERIN
5.260	1		1	-	-	-		1,3-DINITROBENZENE
5.392	1		1	-	-	-		2,6-DINITROTOLUENE
5.958	1		1	-	-	-		2,4-DINITROTOLUENE
6.351	1	BB	1	58.13634	0.00000	0.00000		3,4-DINITROTOLUENE
7.050	1	BB	1	74.25734	0.00000	0.00000		1,3,5-TRINITROBENZENE
7.212	1	BB	1	94.55180	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.833	1		1	-	-	-		PETN
8.154	1	BB	1	98.14516	0.00000	0.00000		RDX
8.703	1	BV	1	362.10138	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE
8.769	1	VV	1	539.13403	0.00000	0.00000		3,5-DINITROANILINE
9.015	1	VV	1	494.85391	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.528	1	BV +	1	143.21637	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.628	1	VB	1	81.09376	0.00000	0.00000		TETRYL
12.249	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

Sample Name: A7J1104-IBL8

```
=====
Acq. Operator   : RWJ                      Seq. Line :   22
Acq. Instrument : 3336A52146              Location  : Vial 22
Injection Date  : 10/12/2017 1:35:18 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

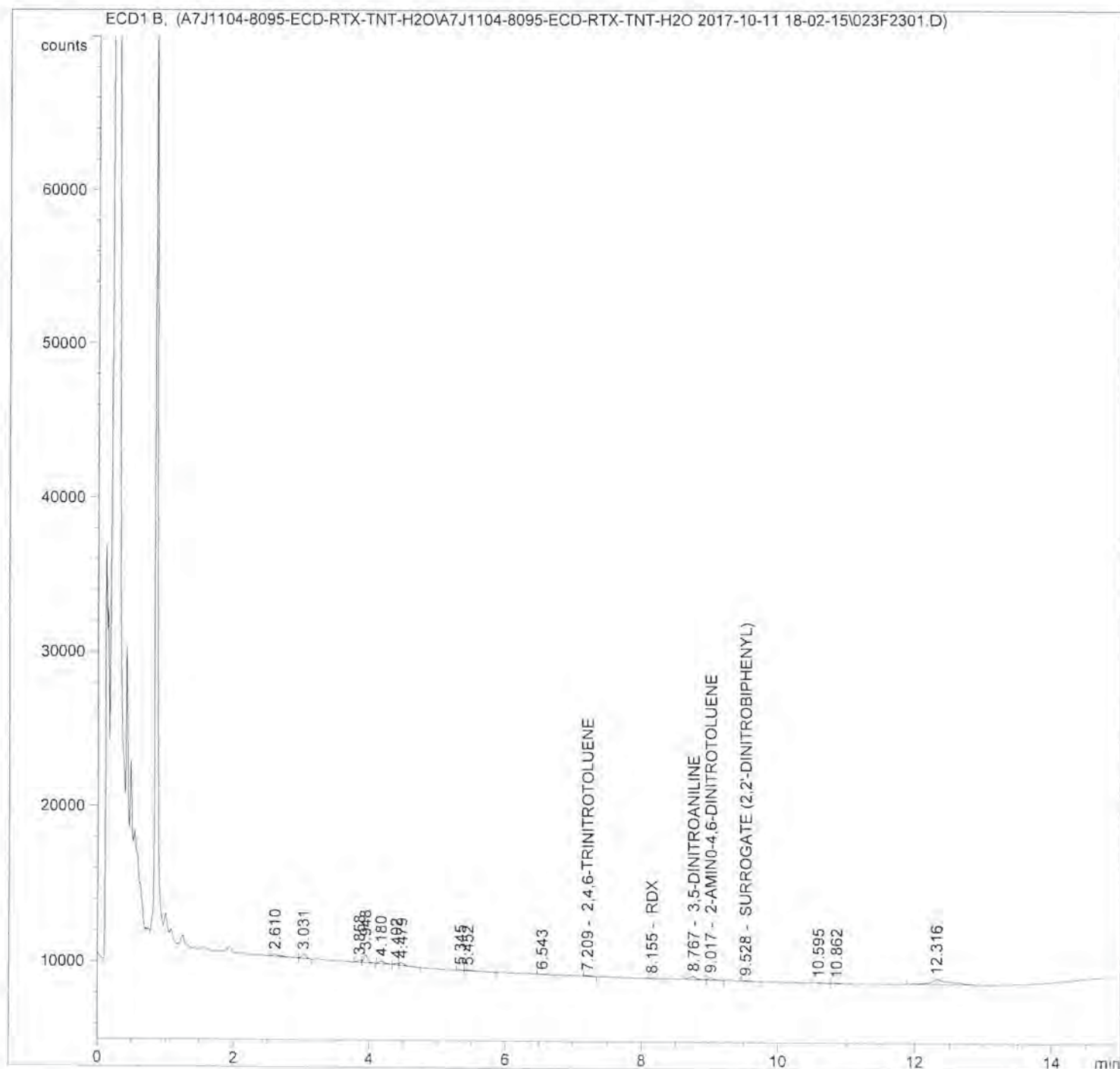
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

Sample Name: A7J1104-IBL9

```
=====
Acq. Operator   : RWJ                      Seq. Line :   23
Acq. Instrument : 3336A52146              Location  : Vial 23
Injection Date  : 10/12/2017 1:56:43 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



Sample Name: A7J1104-IBL9

=====

Acq. Operator	: RWJ	Seq. Line	: 23
Acq. Instrument	: 3336A52146	Location	: Vial 23
Injection Date	: 10/12/2017 1:56:43 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1		1	-	-	-		NITROBENZENE
2.904	1		1	-	-	-		2-NITROTOLUENE
3.223	1		1	-	-	-		3-NITROTOLUENE
3.370	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.635	1		1	-	-	-		NITROGLYCERIN
5.260	1		1	-	-	-		1,3-DINITROBENZENE
5.393	1		1	-	-	-		2,6-DINITROTOLUENE
5.959	1		1	-	-	-		2,4-DINITROTOLUENE
6.354	1		1	-	-	-		3,4-DINITROTOLUENE
7.041	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.209	1	BB	1	57.77576	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.833	1		1	-	-	-		PETN
8.155	1	BB	1	24.45268	0.00000	0.00000		RDX
8.697	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.767	1	BV	1	219.55028	0.00000	0.00000		3,5-DINITROANILINE
9.017	1	VB	1	170.70216	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.528	1	BB +	1	52.70350	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.624	1		1	-	-	-		TETRYL
12.250	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

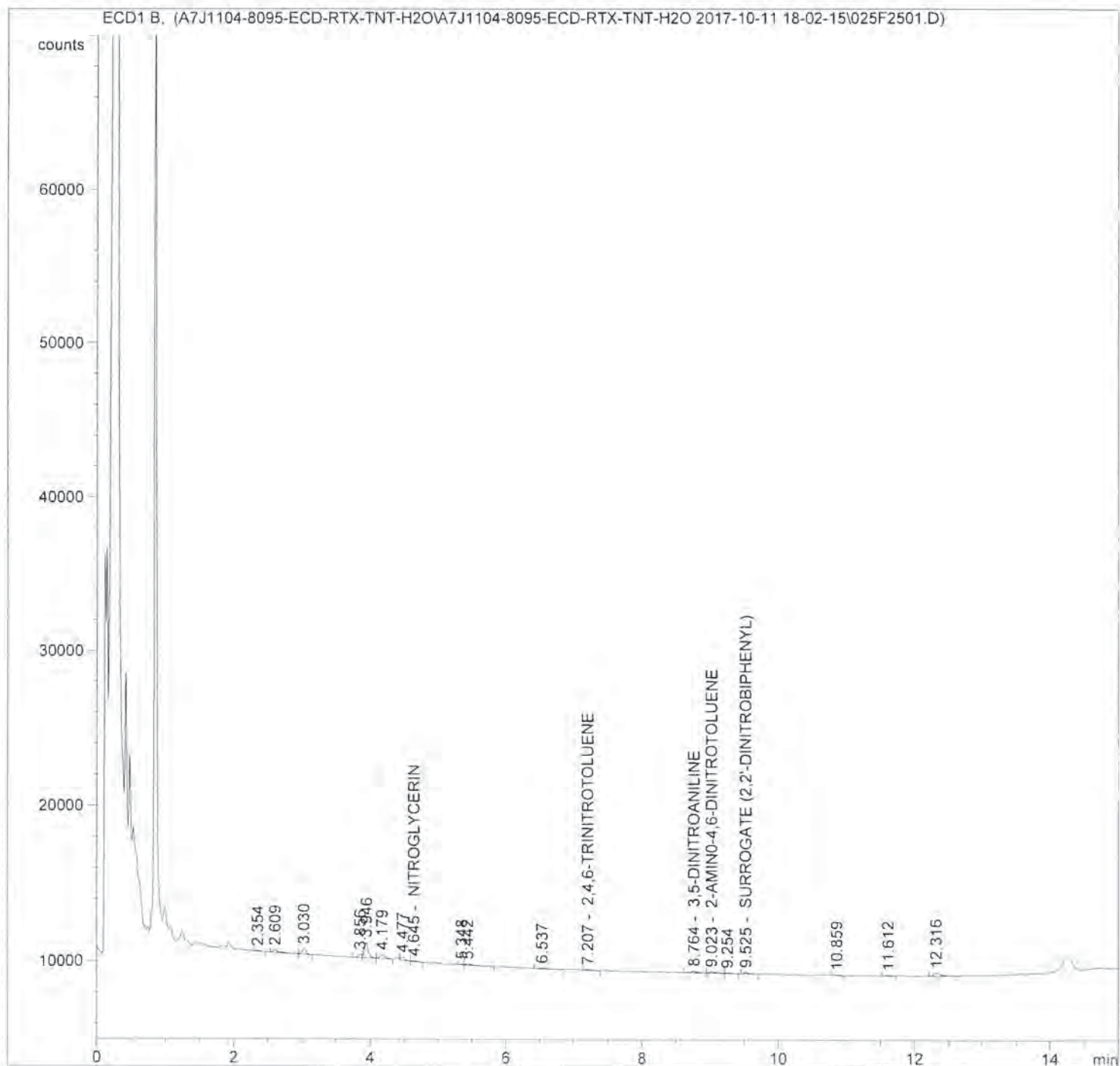
```
=====
Acq. Operator   : RWJ                      Seq. Line :   23
Acq. Instrument : 3336A52146              Location  : Vial 23
Injection Date  : 10/12/2017 1:56:43 AM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P),
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   25
Acq. Instrument : 3336A52146              Location  : Vial 25
Injection Date  : 10/12/2017 2:39:40 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                                           H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                                           MICRON FILM, (S/N 1153047/P).
                                           INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 25
Acq. Instrument	: 3336A52146	Location	: Vial 25
Injection Date	: 10/12/2017 2:39:40 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.215	1		1	-	-	-		NITROBENZENE
2.903	1		1	-	-	-		2-NITROTOLUENE
3.221	1		1	-	-	-		3-NITROTOLUENE
3.368	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.645	1	VB	1	56.79855	0.00000	0.00000		NITROGLYCERIN
5.258	1		1	-	-	-		1,3-DINITROBENZENE
5.391	1		1	-	-	-		2,6-DINITROTOLUENE
5.957	1		1	-	-	-		2,4-DINITROTOLUENE
6.351	1		1	-	-	-		3,4-DINITROTOLUENE
7.039	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.207	1	BB	1	50.80813	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.830	1		1	-	-	-		PETN
8.150	1		1	-	-	-		RDX
8.694	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.764	1	BV	1	110.96510	0.00000	0.00000		3,5-DINITROANILINE
9.023	1	VV	1	90.65064	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.525	1	BB +	1	100.80715	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.621	1		1	-	-	-		TETRYL
12.246	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

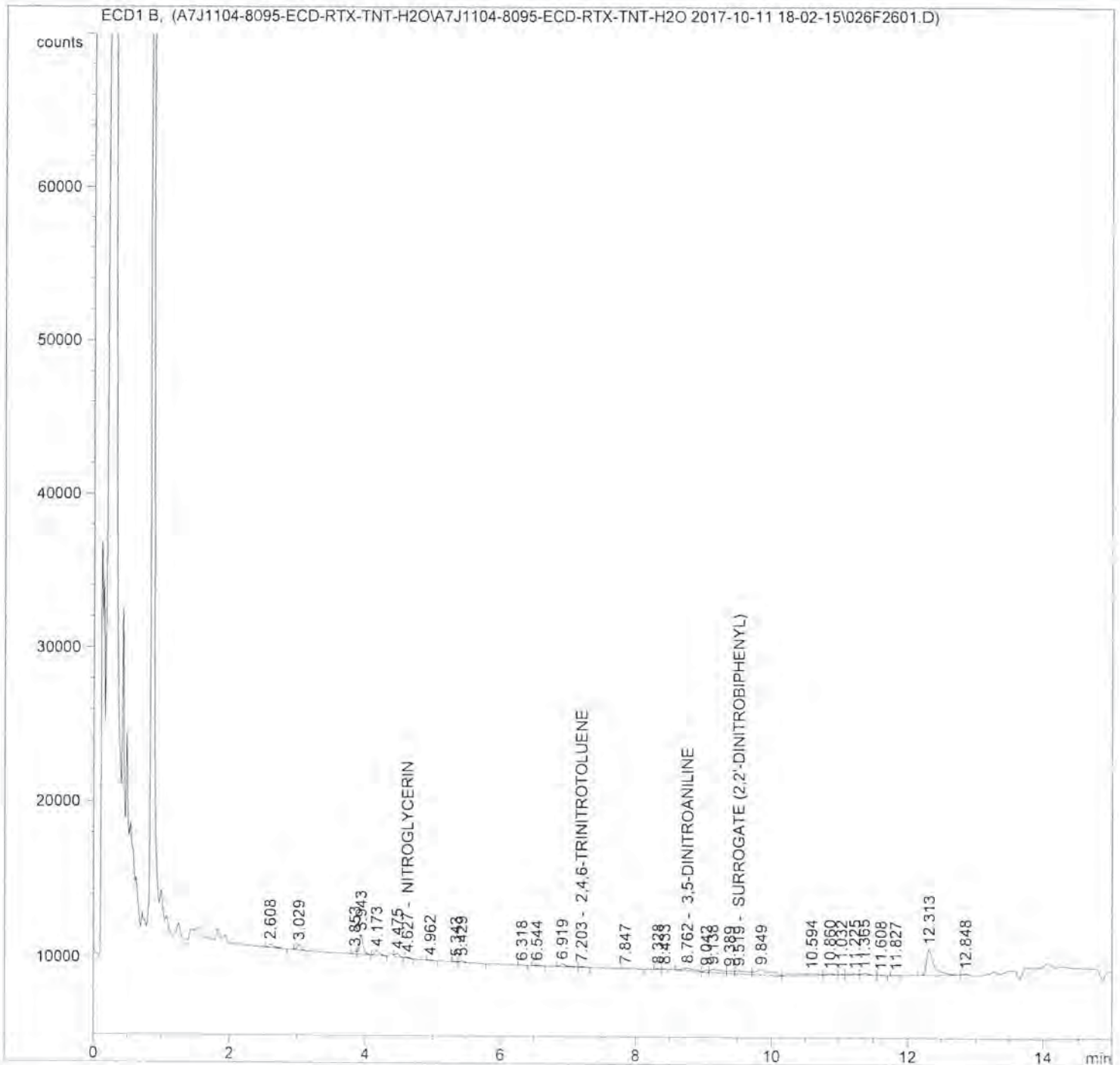
```
=====
Acq. Operator   : RWJ                      Seq. Line :   25
Acq. Instrument : 3336A52146              Location  : Vial 25
Injection Date  : 10/12/2017 2:39:40 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   26
Acq. Instrument : 3336A52146              Location  : Vial 26
Injection Date  : 10/12/2017 3:01:07 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 26
Acq. Instrument	: 3336A52146	Location	: Vial 26
Injection Date	: 10/12/2017 3:01:07 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.214	1		1	-	-	-		NITROBENZENE
2.901	1		1	-	-	-		2-NITROTOLUENE
3.219	1		1	-	-	-		3-NITROTOLUENE
3.366	1		1	-	-	-		4-NITROTOLUENE
4.350	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.627	1	BB	1	67.00755	0.00000	0.00000		NITROGLYCERIN
5.255	1		1	-	-	-		1,3-DINITROBENZENE
5.387	1		1	-	-	-		2,6-DINITROTOLUENE
5.953	1		1	-	-	-		2,4-DINITROTOLUENE
6.347	1		1	-	-	-		3,4-DINITROTOLUENE
7.034	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.203	1	VB	1	49.34671	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.826	1		1	-	-	-		PETN
8.145	1		1	-	-	-		RDX
8.688	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.762	1	BB	1	181.55806	0.00000	0.00000		3,5-DINITROANILINE
9.002	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.519	1	VV +	1	200.52580	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.615	1		1	-	-	-		TETRYL
12.238	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

```
=====
Acq. Operator   : RWJ                      Seq. Line :   26
Acq. Instrument : 3336A52146              Location  : Vial 26
Injection Date  : 10/12/2017 3:01:07 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

SEQUENCE PARAMETERS

Sequence : C:\Chem32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\A7J1104-8095-ECD-RTX-440-H2O.S
Operator : RWJ
Data File Naming : Auto
Data Directory : C:\Chem32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\
Data Subdirectory :
Barcode Reader : not used
Shutdown Cmd/Macro : none
Sequence Comment :
Part of Methods to run: According to Runtime Checklist

SEQUENCE TABLE (Front Injector):

=====

No entries - empty table!

=====

SEQUENCE TABLE (Back Injector):

=====

Line	: 1
Location	: Vial 1
Sample Information	:
Sample Name	: A7J1104-IBL1
Method Name	: 8095-ECD-RTX-440

=====

Line	: 2
Location	: Vial 2
Sample Information	:
Sample Name	: A7J1104-IBL2
Method Name	: 8095-ECD-RTX-440

=====

Line	: 3
Location	: Vial 3
Sample Information	:
Sample Name	: A7J1104-CAL1
Method Name	: 8095-ECD-RTX-440

=====

Line	: 4
Location	: Vial 4
Sample Information	:
Sample Name	: A7J1104-CAL2
Method Name	: 8095-ECD-RTX-440

=====

Line : 5
Location : Vial 5
Sample Information :
Sample Name : A7J1104-CAL3
Method Name : 8095-ECD-RTX-440

=====
Line : 6
Location : Vial 6
Sample Information :
Sample Name : A7J1104-CAL4
Method Name : 8095-ECD-RTX-440

=====
Line : 7
Location : Vial 7
Sample Information :
Sample Name : A7J1104-CAL5
Method Name : 8095-ECD-RTX-440

=====
Line : 8
Location : Vial 8
Sample Information :
Sample Name : A7J1104-CAL6
Method Name : 8095-ECD-RTX-440

=====
Line : 9
Location : Vial 9
Sample Information :
Sample Name : A7J1104-IBL3
Method Name : 8095-ECD-RTX-440

=====
Line : 10
Location : Vial 10
Sample Information :
Sample Name : A7J1104-ICV1
Method Name : 8095-ECD-RTX-440

=====
Line : 11
Location : Vial 11
Sample Information :
Sample Name : A7J1104-CCV1
Method Name : 8095-ECD-RTX-440

=====
Line : 12
Location : Vial 12
Sample Information :
Sample Name : A710039-BLK1

Method Name : 8095-ECD-RTX-440

=====
Line : 13
Location : Vial 13
Sample Information :
Sample Name : A710039-BS1
Method Name : 8095-ECD-RTX-440

=====
Line : 14
Location : Vial 14
Sample Information :
Sample Name : A174105-01
Method Name : 8095-ECD-RTX-440

=====
Line : 15
Location : Vial 15
Sample Information :
Sample Name : A7J1104-IBL4
Method Name : 8095-ECD-RTX-440

=====
Line : 16
Location : Vial 16
Sample Information :
Sample Name : A7J1104-IBL5
Method Name : 8095-ECD-RTX-440

=====
Line : 17
Location : Vial 17
Sample Information :
Sample Name : A710039-MS1
Method Name : 8095-ECD-RTX-440

=====
Line : 18
Location : Vial 18
Sample Information :
Sample Name : A7J1104-IBL6
Method Name : 8095-ECD-RTX-440

=====
Line : 19
Location : Vial 19
Sample Information :
Sample Name : A7J1104-IBL7
Method Name : 8095-ECD-RTX-440
=====

Line : 20
Location : Vial 20
Sample Information :
Sample Name : A7J1104-CCV2
Method Name : 8095-ECD-RTX-440

=====
Line : 21
Location : Vial 21
Sample Information :
Sample Name : A710039-MSD1
Method Name : 8095-ECD-RTX-440

=====
Line : 22
Location : Vial 22
Sample Information :
Sample Name : A7J1104-IBL8
Method Name : 8095-ECD-RTX-440

=====
Line : 23
Location : Vial 23
Sample Information :
Sample Name : A7J1104-IBL9
Method Name : 8095-ECD-RTX-440

=====
Line : 24
Location : Vial 24
Sample Information :
Sample Name : A174105-02
Method Name : 8095-ECD-RTX-440

=====
Line : 25
Location : Vial 25
Sample Information :
Sample Name : A7J1104-IBLA
Method Name : 8095-ECD-RTX-440

=====
Line : 26
Location : Vial 26
Sample Information :
Sample Name : A7J1104-IBLB
Method Name : 8095-ECD-RTX-440

=====
Line : 27
Location : Vial 27
Sample Information :
Sample Name : A7J1104-CCV3

method: C:\Chem32\2\METHODS\8095-ECD-RTX-440.M
Modified on: 10/11/2017 at 6:12:28 PM

Method Information

Method: C:\Chem32\2\METHODS\8095-ECD-RTX-440.M
Modified: 10/11/2017 at 6:12:28 PM

METHOD 8095 BY ECD, USING A RESTEK RTX-440 6 M BY 0.53 MM ID BY 0.5
UM FILM. (S/N 1161164) USING 4 MM GOOSNECK LINER WITH A GOLD SEAL.
2 UL INJECTION.

Method Audit Trail

Operator : RWJ
Date : 4/5/2016 5:16:24 PM
Change Info: This method was created at 4/5/2016 5:16:24 PM and based on
method C:\Chem32\2\METHODS\8095-ECD-RTX-440PLAY.M

*Acquisition
method*

Operator : RWJ
Date : 4/5/2016 5:16:38 PM
Change Info: Method saved. User comment: "CREATE AQ METHOD RWJ"

OK 10/12/17

Operator : RWJ
Date : 10/26/2016 11:57:18 AM
Change Info: Method saved. User comment: "change max to 320 rwj"

Operator : RWJ
Date : 10/11/2017 6:12:28 PM
Change Info: Method saved. User comment: "CHANGE TO BACK INJ RWJ"

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: Manual

Injection Location: Back

OVEN\DET

Runtime (min): 15.4

Zone Temperatures:

	State	Setpoint
Inl. A	ON	210 C.
Inl. B	OFF	50 C.
Det. A	ON	250 C.
Det. B	OFF	50 C.
Aux.	OFF	50 C.

Oven Zone:

Oven max	320 C.
Equib Time	1.50 Min.
Oven State	ON
Cryo State	OFF
Ambient	25 C.
Cryo Blast	OFF

Oven Program:

	Setpoint
Initial Temp.:	60 C.
Initial Time:	1.00 Min.

Level	Rate (C/min.)	Final Temp. (C)	Final Time (min)
1	16.0	275	1.00

Purge Valve Settings

Purge A/B

	Init Value	On Time (Min.)	Off Time (Min.)
A (Valve 3)	Off	0.50	15.00
B (Valve 4)	Off	0.50	15.00

A - Splitless Injection: No
B - Splitless Injection: No

Valves/Relays Information

Initial Setpoints:

5890 Valves:

Valve 1:	Off
Valve 2:	Off
Valve 3 (Purge A):	Off
Valve 4 (Purge B):	Off

Detector Information

Detector A:

Type	ECD
State	ON

Signal Information

Save Data:

Signal 1

Signal 1:

method: C:\Chem32\2\METHODS\8095-ECD-RTX-440.M

Modified on: 10/11/2017 at 6:12:28 PM

Signal	Det. A
Data rate	5.000 Hz.
Peakwidth	0.053 min.
Start Time	0.00 min.
Stop Time	650.00 min.

Signal 2:

Signal	Testplot
Data rate	5.000 Hz.
Peakwidth	0.053 min.
Start Time	0.00 min.
Stop Time	650.00 min.

=====
Integration Events
=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	Standard
Tail Peak Skim Height Ratio	0.000
Front Peak Skim Height Ratio	0.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

method: C:\Chem32\2\METHODS\8095-ECD-RTX-440.M
Modified on: 10/11/2017 at 6:12:28 PM
Apply Manual Integration Events: No

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

method: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Modified on: 10/12/2017 at 3:07:12 PM

Method Information

Method: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Modified: 10/12/2017 at 3:07:12 PM

Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5
MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

Method Audit Trail

Operator : RWJ
Date : 10/12/2017 1:21:42 PM
Change Info: This method was created at 10/12/2017 1:21:42 PM and based on
method C:\CHEM32\2\METHODS\A7H2201-8095-ECD-RTX-440-H2O.M

Operator : RWJ
Date : 10/12/2017 1:21:48 PM
Change Info: Method saved. User comment: "CREATED 10/12/17 JJK"

Operator : RWJ
Date : 10/12/2017 3:07:12 PM
Change Info: Method saved. User comment: "UPDATED CAL TABLE 10/12/17 JJK"

*Processing
method
10/12/17*

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	Standard
Tail Peak Skim Height Ratio	0.000
Front Peak Skim Height Ratio	0.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Signal Specific Integration Event Table "Event_ECD1B"

Event	Value	Time
Initial Slope Sensitivity	300.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	10.000	Initial
Initial Height Reject	5.000	Initial
Initial Shoulders	OFF	Initial
Integration	OFF	0.000
Integration	ON	1.481
Integration	OFF	18.490

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	300.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	100.000	Initial
Initial Height Reject	25.000	Initial
Initial Shoulders	OFF	Initial
Integration	OFF	0.000
Integration	ON	2.093
Integration	OFF	18.140

Signal Specific Integration Event Table "Event_GC1A"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	0.100	Initial
Initial Height Reject	0.100	Initial
Initial Shoulders	OFF	Initial
Integration	OFF	0.000
Integration	ON	1.661
Integration	OFF	18.250

Signal Specific Integration Event Table "Event_ECD1A"

Event	Value	Time
Initial Slope Sensitivity	400.000	Initial
Initial Peak Width	0.070	Initial
Initial Area Reject	10.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	DROP	Initial
Integration	OFF	0.000
Integration	ON	1.386
Integration	OFF	12.823

method: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Modified on: 10/12/2017 at 3:07:12 PM

Apply Manual Integration Events: No

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Calibration Table

=====

Calib. Data Modified : Thursday, October 12, 2017 3:06:50 PM

Rel. Reference Window : 0.000 %
 Abs. Reference Window : 0.100 min
 Rel. Non-ref. Window : 0.000 %
 Abs. Non-ref. Window : 0.040 min
 Uncalibrated Peaks : not reported
 Partial Calibration : Yes, identified peaks are recalibrated
 Correct All Ret. Times: No, only for identified peaks

Curve Type : Power (some peaks differ, see below)
 Origin : Ignored (some peaks differ, see below)
 Weight : Equal

Recalibration Settings:
 Average Response : Average all calibrations
 Average Retention Time: Floating Average New 75%

Calibration Report Options :

Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
 If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Sample ISTD Information:

ISTD ISTD Amount Name

#

-----|-----|-----
 1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime	Lvl	Amount	Height	Amt/Height	Ref	Grp	Name
[min]	Sig						
1.556	1	1.00000e-3	244.89549	4.08337e-6	1		NITROBENZENE [2C]
		2 4.00000e-3	1139.20740	3.51121e-6			
		3 1.00000e-2	2579.77661	3.87630e-6			
		4 4.00000e-2	9524.04102	4.19990e-6			
		5 1.00000e-1	2.18972e4	4.56679e-6			
		6 4.00000e-1	8.55354e4	4.67643e-6			
2.198	1	1.00000e-3	153.75696	6.50377e-6	1		2-NITROTOLUENE [2C]
		2 4.00000e-3	700.93964	5.70663e-6			
		3 1.00000e-2	1646.56299	6.07326e-6			
		4 4.00000e-2	6212.79004	6.43833e-6			
		5 1.00000e-1	1.44980e4	6.89751e-6			
		6 4.00000e-1	5.74237e4	6.96576e-6			
2.532	1	1.00000e-3	165.36047	6.04739e-6	1		3-NITROTOLUENE [2C]
		2 4.00000e-3	778.95911	5.13506e-6			
		3 1.00000e-2	1830.65662	5.46252e-6			
		4 4.00000e-2	6927.30908	5.77425e-6			
		5 1.00000e-1	1.59270e4	6.27864e-6			

RetTime [min]	Lvl Sig	Amount	Height	Amt/Height	Ref	Grp	Name
2.698	1	6 4.00000e-1	6.17317e4	6.47965e-6			
		1 1.00000e-3	152.41261	6.56114e-6	1		4-NITROTOLUENE [2C]
		2 4.00000e-3	790.29608	5.06139e-6			
		3 1.00000e-2	1886.62793	5.30046e-6			
		4 4.00000e-2	7237.39453	5.52685e-6			
		5 1.00000e-1	1.66477e4	6.00685e-6			
		6 4.00000e-1	6.57069e4	6.08764e-6			
3.783	1	1 1.25000e-1	9.51797e4	1.31330e-6	+I1		INTERNAL STANDARD (1-BROMO-4-NITROBENZ)
		2 1.25000e-1	1.08831e5	1.14857e-6			
		3 1.25000e-1	1.04010e5	1.20181e-6			
		4 1.25000e-1	1.00899e5	1.23886e-6			
		5 1.25000e-1	9.89662e4	1.26306e-6			
		6 1.25000e-1	1.12411e5	1.11199e-6			
4.185	1	1 1.00000e-3	886.55249	1.12796e-6	1		NITROGLYCERIN [2C]
		2 4.00000e-3	4651.90918	8.59862e-7			
		3 1.00000e-2	1.14627e4	8.72397e-7			
		4 4.00000e-2	4.50719e4	8.87470e-7			
		5 1.00000e-1	1.06695e5	9.37251e-7			
		6 4.00000e-1	4.52575e5	8.83831e-7			
4.862	1	1 1.00000e-3	1344.76184	7.43626e-7	1		2,6-DINITROTOLUENE [2C]
		2 4.00000e-3	6014.79443	6.65027e-7			
		3 1.00000e-2	1.35675e4	7.37054e-7			
		4 4.00000e-2	4.62490e4	8.64884e-7			
		5 1.00000e-1	1.05133e5	9.51172e-7			
		6 4.00000e-1	4.00692e5	9.98274e-7			
4.917	1	1 1.00000e-3	407.06058	2.45664e-6	1		1,3-DINTROBENZENE [2C]
		2 4.00000e-3	1691.87329	2.36424e-6			
		3 1.00000e-2	4088.23633	2.44604e-6			
		4 4.00000e-2	1.57225e4	2.54413e-6			
		5 1.00000e-1	3.48410e4	2.87018e-6			
		6 4.00000e-1	1.77641e5	2.25173e-6			
5.538	1	1 1.00000e-3	598.30334	1.67139e-6	1		2,4-DINITROTOLUENE [2C]
		2 4.00000e-3	3034.68359	1.31809e-6			
		3 1.00000e-2	7134.95361	1.40155e-6			
		4 4.00000e-2	2.47874e4	1.61372e-6			
		5 1.00000e-1	5.59530e4	1.78722e-6			
		6 4.00000e-1	2.15783e5	1.85372e-6			
5.838	1	1 1.00000e-3	1270.64880	7.87000e-7	1		3,4-DINITROTOLUENE [2C]
		2 4.00000e-3	5726.77881	6.98473e-7			
		3 1.00000e-2	1.32316e4	7.55767e-7			
		4 4.00000e-2	4.64058e4	8.61962e-7			
		5 1.00000e-1	1.05552e5	9.47397e-7			
		6 4.00000e-1	4.14839e5	9.64230e-7			
7.095	1	1 1.00000e-3	1047.83093	9.54352e-7	1		2,4,6-TRINITROTOLUENE [2C]
		2 4.00000e-3	4463.86133	8.96085e-7			
		3 1.00000e-2	1.07758e4	9.28002e-7			
		4 4.00000e-2	4.06440e4	9.84155e-7			
		5 1.00000e-1	9.56546e4	1.04543e-6			
		6 4.00000e-1	3.47791e5	1.15012e-6			
7.337	1	1 1.00000e-3	449.87317	2.22285e-6	1		1,3,5-TRINITROBENZENE [2C]
		2 4.00000e-3	2369.90894	1.68783e-6			
		3 1.00000e-2	5616.65088	1.78042e-6			
		4 4.00000e-2	1.97487e4	2.02545e-6			
		5 1.00000e-1	4.59314e4	2.17716e-6			
		6 4.00000e-1	1.75444e5	2.27993e-6			
7.408	1	1 1.00000e-3	627.91394	1.59257e-6	1		PETN [2C]
		2 4.00000e-3	2902.13843	1.37829e-6			

RetTime [min]	Lvl Sig	Amount	Height	Amt/Height	Ref	Grp	Name
		3 1.00000e-2	6942.72070	1.44036e-6			
		4 4.00000e-2	2.56252e4	1.56096e-6			
		5 1.00000e-1	6.10890e4	1.63696e-6			
		6 4.00000e-1	2.42116e5	1.65210e-6			
7.935	1	1 1.00000e-3	1039.65588	9.61857e-7	1		RDX [2C]
		2 4.00000e-3	4345.60400	9.20470e-7			
		3 1.00000e-2	1.14982e4	8.69702e-7			
		4 4.00000e-2	4.90897e4	8.14835e-7			
		5 1.00000e-1	1.25263e5	7.98319e-7			
		6 4.00000e-1	5.35662e5	7.46739e-7			
8.288	1	1 1.00000e-3	755.12781	1.32428e-6	1		4-AMINO-2,6-DINITROTOLUENE [2C]
		2 4.00000e-3	3550.41528	1.12663e-6			
		3 1.00000e-2	8347.08496	1.19802e-6			
		4 4.00000e-2	2.89386e4	1.38223e-6			
		5 1.00000e-1	6.79389e4	1.47191e-6			
		6 4.00000e-1	2.65250e5	1.50801e-6			
8.443	1	1 1.00000e-3	429.03516	2.33081e-6	1		3,5-DINITROANILINE [2C]
		2 4.00000e-3	2824.03052	1.41642e-6			
		3 1.00000e-2	7217.79102	1.38547e-6			
		4 4.00000e-2	2.70977e4	1.47614e-6			
		5 1.00000e-1	6.40764e4	1.56064e-6			
		6 4.00000e-1	2.52919e5	1.58153e-6			
8.611	1	1 1.00000e-3	736.87854	1.35708e-6	1		2-AMINO-4,6-DINITROTOLUENE [2C]
		2 4.00000e-3	3880.97266	1.03067e-6			
		3 1.00000e-2	9513.09180	1.05118e-6			
		4 4.00000e-2	3.35549e4	1.19208e-6			
		5 1.00000e-1	7.70033e4	1.29865e-6			
		6 4.00000e-1	3.13411e5	1.27628e-6			
8.981	1	1 1.00000e-3	824.61108	1.21269e-6	+ 1		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
		2 4.00000e-3	3791.60596	1.05496e-6			
		3 1.00000e-2	9405.21875	1.06324e-6			
		4 4.00000e-2	3.60820e4	1.10858e-6			
		5 1.00000e-1	8.56208e4	1.16794e-6			
		6 4.00000e-1	3.33307e5	1.20010e-6			
9.467	1	1 1.00000e-3	60.80255	1.64467e-5	1		TETRYL [2C]
		2 4.00000e-3	423.14529	9.45302e-6			
		3 1.00000e-2	1815.05347	5.50948e-6			
		4 4.00000e-2	1.12009e4	3.57113e-6			
		5 1.00000e-1	3.38990e4	2.94994e-6			
12.375	1	1 1.00000e-3	47.73502	2.09490e-5	1		HMX [2C]
		2 4.00000e-3	378.25833	1.05748e-5			
		3 1.00000e-2	1280.57617	7.80898e-6			
		4 4.00000e-2	7320.22510	5.46431e-6			
		5 1.00000e-1	2.56121e4	3.90440e-6			
		6 4.00000e-1	1.42484e5	2.80734e-6			

More compound-specific settings:

Compound: NITROBENZENE [2C]

Curve Type : Power
Origin : Ignored

Compound: 3,5-DINITROANILINE [2C]

Curve Type : Power
Origin : Ignored

Compound: HMX [2C]

*L-6- dropped from ICAC data
incorrect curve
8/13/06/17*

Curve Type : Power
Origin : Ignored

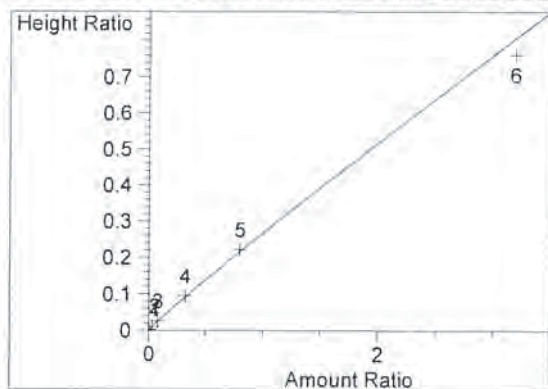
1 Warnings or Errors :

Warning : Curve requires more calibration points., (INTERNAL STANDARD (1-BROMO-4-NITROBENZEN)

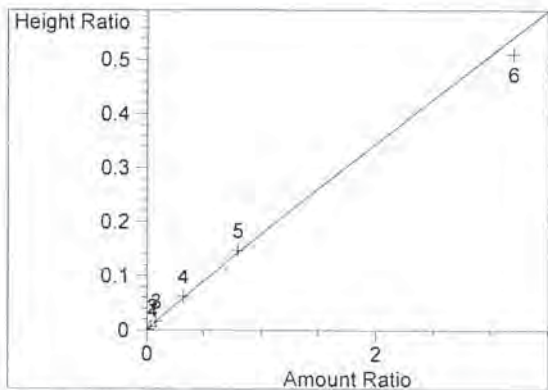
Peak Sum Table

No Entries in table

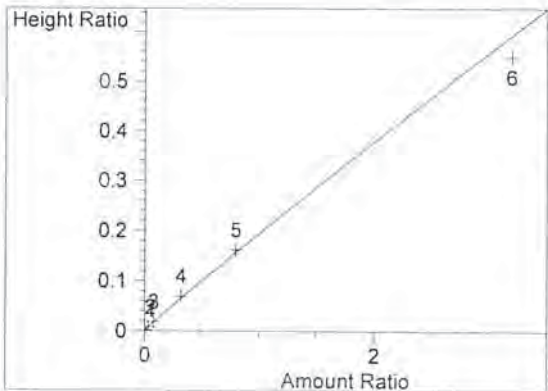
Calibration Curves



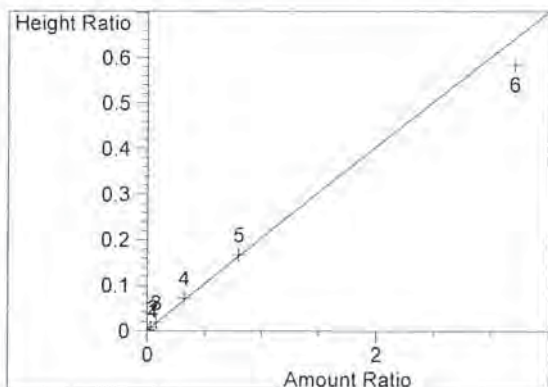
NITROBENZENE [2C] at exp. RT: 1.556
ECD1 A,
Correlation: 0.99972
Residual Std. Dev.: 0.02311
Formula: $y = b * x^m$
m: 9.49798e-1
b: 2.67251e-1
x: Amount
y: Height



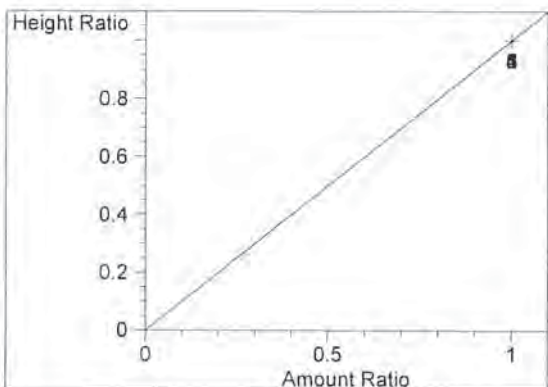
2-NITROTOLUENE [2C] at exp. RT: 2.198
ECD1 A,
Correlation: 0.99969
Residual Std. Dev.: 0.01564
Formula: $y = b * x^m$
m: 9.63653e-1
b: 1.76600e-1
x: Amount
y: Height



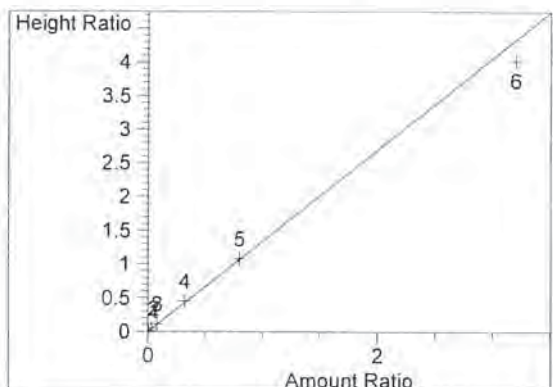
3-NITROTOLUENE [2C] at exp. RT: 2.532
ECD1 A,
Correlation: 0.99951
Residual Std. Dev.: 0.02232
Formula: $y = b * x^m$
m: 9.62914e-1
b: 1.93597e-1
x: Amount
y: Height



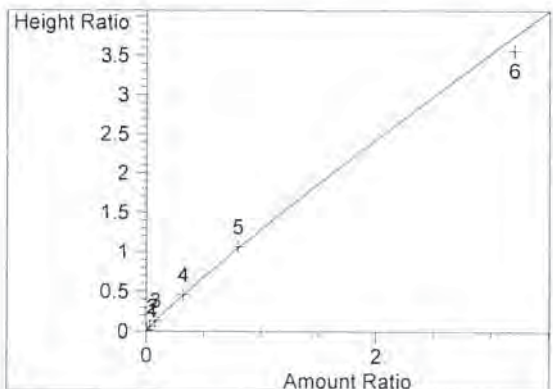
4-NITROTOLUENE [2C] at exp. RT: 2.698
 ECD1 A,
 Correlation: 0.99943
 Residual Std. Dev.: 0.02919
 Formula: $y = b * x^m$
 m: 9.83199e-1
 b: 2.04765e-1
 x: Amount
 y: Height



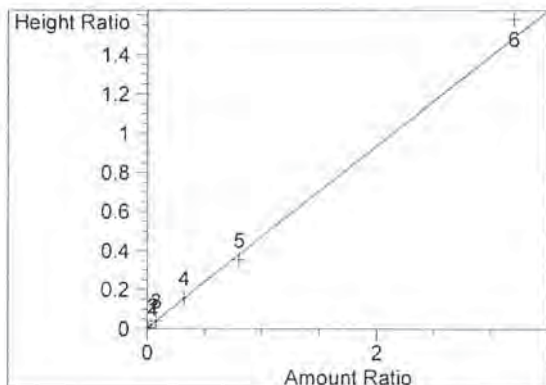
INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C] at exp. R'
 ECD1 A,
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount
 y: Height



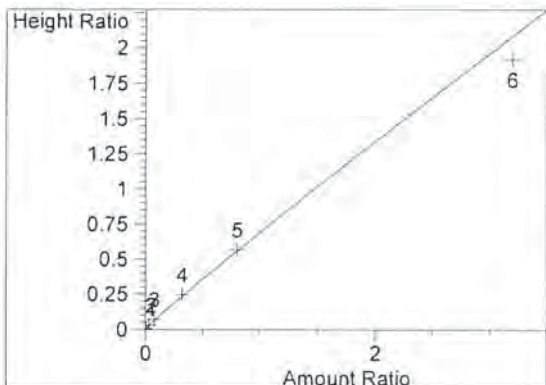
NITROGLYCERIN [2C] at exp. RT: 4.185
 ECD1 A,
 Correlation: 0.99974
 Residual Std. Dev.: 0.15249
 Formula: $y = b * x^m$
 m: 1.01061
 b: 1.33647
 x: Amount
 y: Height



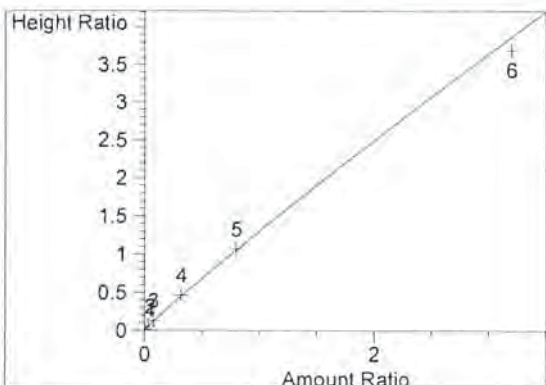
2,6-DINITROTOLUENE [2C] at exp. RT: 4.862
 ECD1 A,
 Correlation: 0.99981
 Residual Std. Dev.: 0.09043
 Formula: $y = b * x^m$
 m: 9.21398e-1
 b: 1.28203
 x: Amount
 y: Height



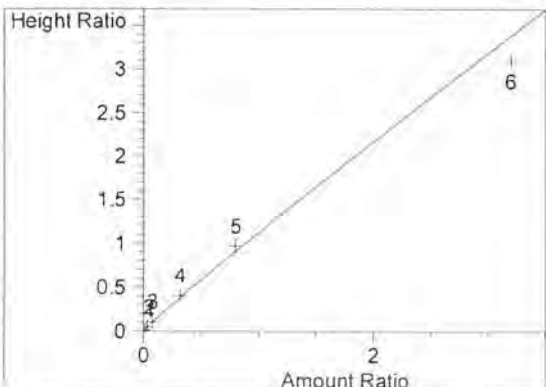
1,3-DINITROBENZENE [2C] at exp. RT: 4.917
 ECD1 A,
 Correlation: 0.99944
 Residual Std. Dev.: 0.04954
 Formula: $y = b * x^m$
 m: 9.83273e-1
 b: 4.73254e-1
 x: Amount
 y: Height



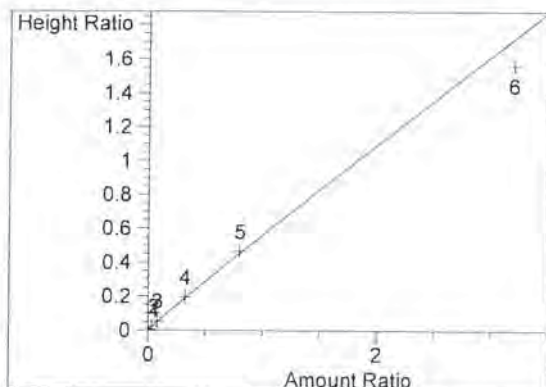
2,4-DINITROTOLUENE [2C] at exp. RT: 5.538
 ECD1 A,
 Correlation: 0.99963
 Residual Std. Dev.: 0.08355
 Formula: $y = b * x^m$
 m: 9.49257e-1
 b: 6.91541e-1
 x: Amount
 y: Height



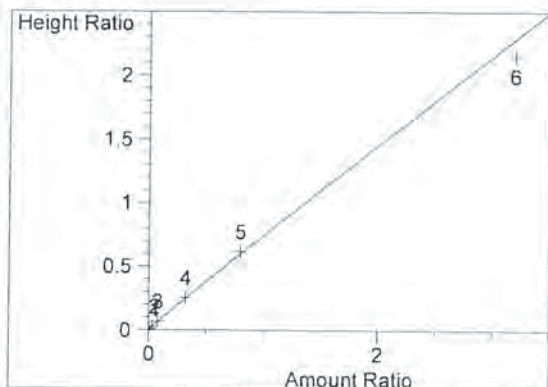
3,4-DINITROTOLUENE [2C] at exp. RT: 5.838
 ECD1 A,
 Correlation: 0.99986
 Residual Std. Dev.: 0.08882
 Formula: $y = b * x^m$
 m: 9.37125e-1
 b: 1.30014
 x: Amount
 y: Height



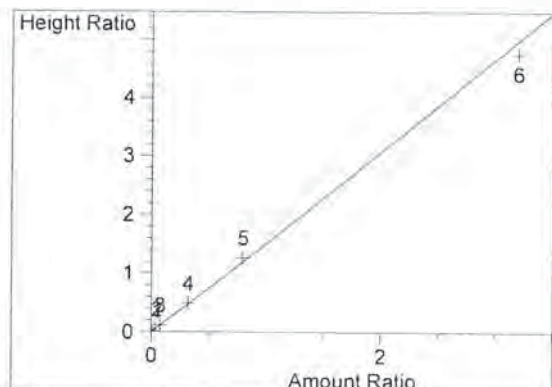
2,4,6-TRINITROTOLUENE [2C] at exp. RT: 7.095
 ECD1 A,
 Correlation: 0.99893
 Residual Std. Dev.: 0.14916
 Formula: $y = b * x^m$
 m: 9.51338e-1
 b: 1.11936
 x: Amount
 y: Height



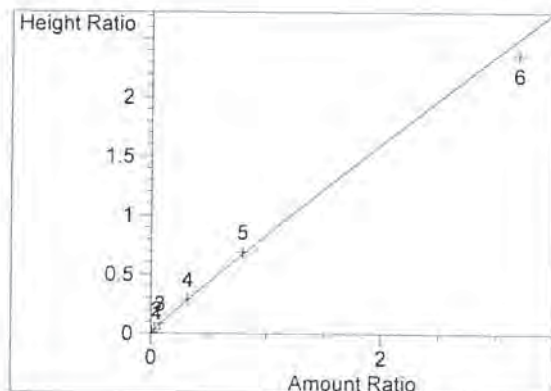
1,3,5-TRINITROBENZENE [2C] at exp. RT: 7.337
 ECD1 A,
 Correlation: 0.99940
 Residual Std. Dev.: 0.07935
 Formula: $y = b * x^m$
 m: 9.62658e-1
 b: 5.60938e-1
 x: Amount
 y: Height



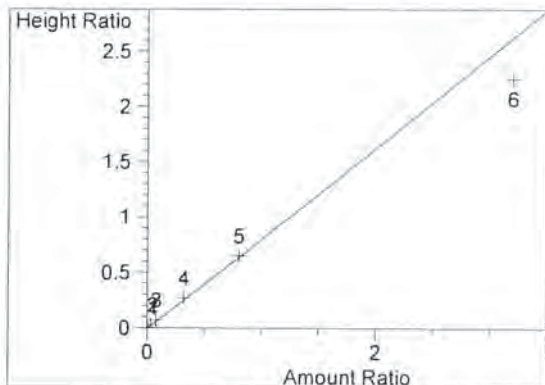
PETN [2C] at exp. RT: 7.408
 ECD1 A,
 Correlation: 0.99967
 Residual Std. Dev.: 0.06756
 Formula: $y = b * x^m$
 m: 9.68162e-1
 b: 7.41734e-1
 x: Amount
 y: Height



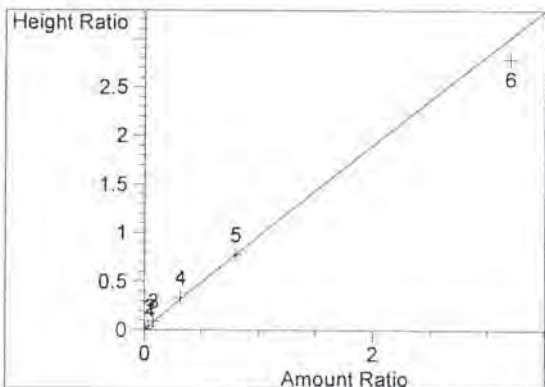
RDX [2C] at exp. RT: 7.935
 ECD1 A,
 Correlation: 0.99965
 Residual Std. Dev.: 0.11602
 Formula: $y = b * x^m$
 m: 1.02940
 b: 1.50567
 x: Amount
 y: Height



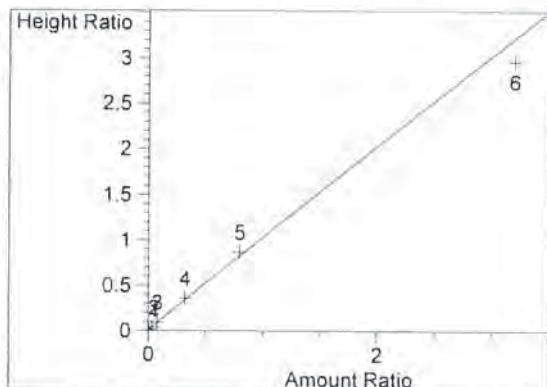
4-AMINO-2,6-DINITROTOLUENE [2C] at exp. RT: 8.288
 ECD1 A,
 Correlation: 0.99975
 Residual Std. Dev.: 0.07079
 Formula: $y = b * x^m$
 m: 9.48397e-1
 b: 8.29657e-1
 x: Amount
 y: Height



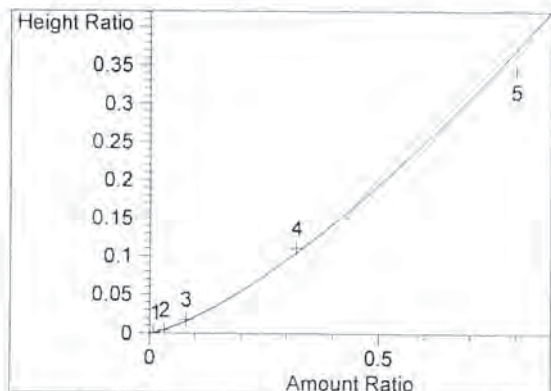
3,5-DINITROANILINE [2C] at exp. RT: 8.443
 ECD1 A,
 Correlation: 0.99884
 Residual Std. Dev.: 0.18793
 Formula: $y = b * x^m$
 m: 1.02645
 b: 7.95374e-1
 x: Amount
 y: Height



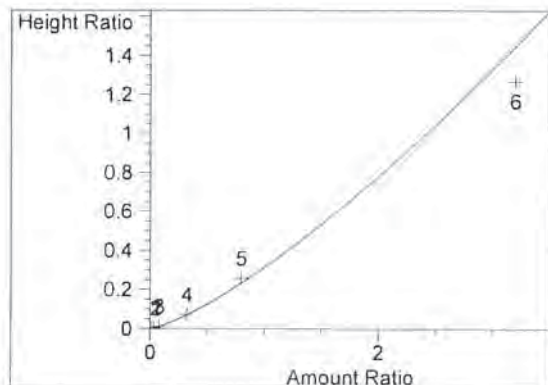
2-AMINO-4,6-DINITROTOLUENE [2C] at exp. RT: 8.611
 ECD1 A,
 Correlation: 0.99977
 Residual Std. Dev.: 0.11180
 Formula: $y = b * x^m$
 m: 9.75103e-1
 b: 9.68601e-1
 x: Amount
 y: Height



SURROGATE (2,2'-DINITROBIPHENYL) [2C] at exp. RT: 8.981
 ECD1 A,
 Correlation: 0.99936
 Residual Std. Dev.: 0.12935
 Formula: $y = b * x^m$
 m: 9.79829e-1
 b: 1.03021
 x: Amount
 y: Height



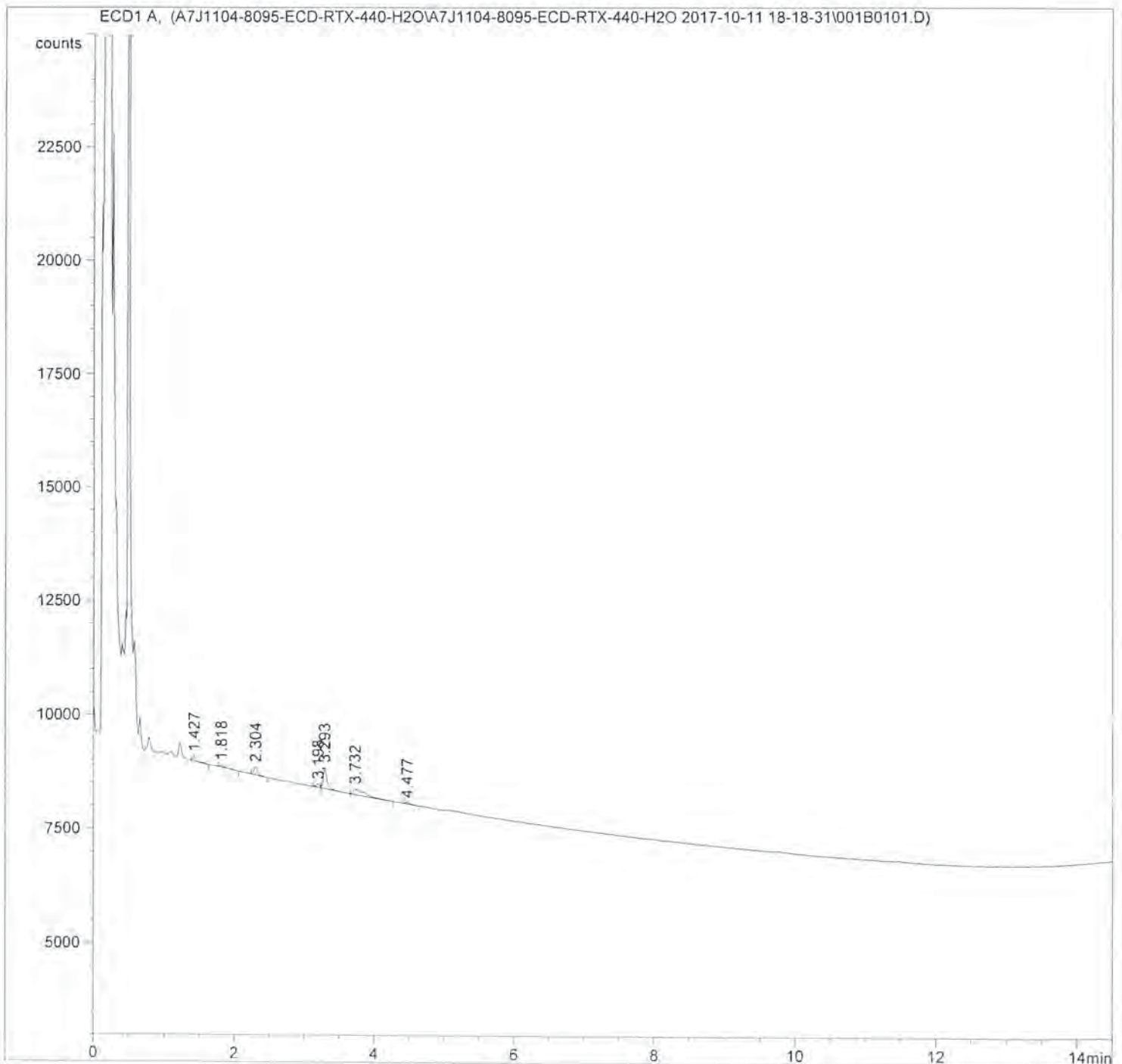
TETRYL [2C] at exp. RT: 9.467
 ECD1 A,
 Correlation: 0.99907
 Residual Std. Dev.: 0.01672
 Formula: $y = b * x^m$
 m: 1.38200
 b: 5.04557e-1
 x: Amount
 y: Height



HMX [2C] at exp. RT: 12.375
ECD1 A,
Correlation: 0.99911
Residual Std. Dev.: 0.08985
Formula: $y = b * x^m$
m: 1.31330
b: 3.13761e-1
x: Amount
y: Height

=====

```
=====
Acq. Operator   : RWJ                      Seq. Line :    1
Acq. Instrument : 3337G12416              Location  : Vial 1
Injection Date  : 10/11/2017 6:21:44 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:07:12 PM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 1
Injection Date	: 10/11/2017 6:21:44 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:07:12 PM by RWJ

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 3:06:50 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.556	1		1	-	-	-		NITROBENZENE [2C]
2.198	1		1	-	-	-		2-NITROTOLUENE [2C]
2.532	1		1	-	-	-		3-NITROTOLUENE [2C]
2.698	1		1	-	-	-		4-NITROTOLUENE [2C]
3.783	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.185	1		1	-	-	-		NITROGLYCERIN [2C]
4.862	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.917	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.538	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.838	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.095	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.337	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.408	1		1	-	-	-		PETN [2C]
7.935	1		1	-	-	-		RDX [2C]
8.288	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.443	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.611	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.467	1		1	-	-	-		TETRYL [2C]
12.375	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

Micro/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :    1
Acq. Instrument : 3337G12416              Location  : Vial 1
Injection Date  : 10/11/2017 6:21:44 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:07:12 PM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
Height Percent Report
=====
```

Sorted By : Retention Time
Calib. Data Modified : Thursday, October 12, 2017 3:06:50 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

Peak #	RetTime [min]	Sig	Type	Height [counts]	Height %	Name
1	1.556	1		0.00000	0.00000	NITROBENZENE [2C]
2	2.198	1		0.00000	0.00000	2-NITROTOLUENE [2C]
3	2.532	1		0.00000	0.00000	3-NITROTOLUENE [2C]
4	2.698	1		0.00000	0.00000	4-NITROTOLUENE [2C]
5	3.783	1	+I	0.00000	0.00000	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
6	4.185	1		0.00000	0.00000	NITROGLYCERIN [2C]
7	4.862	1		0.00000	0.00000	2,6-DINITROTOLUENE [2C]
8	4.917	1		0.00000	0.00000	1,3-DINTROBENZENE [2C]
9	5.538	1		0.00000	0.00000	2,4-DINITROTOLUENE [2C]
10	5.838	1		0.00000	0.00000	3,4-DINITROTOLUENE [2C]
11	7.095	1		0.00000	0.00000	2,4,6-TRINITROTOLUENE [2C]
12	7.337	1		0.00000	0.00000	1,3,5-TRINITROBENZENE [2C]
13	7.408	1		0.00000	0.00000	PETN [2C]
14	7.935	1		0.00000	0.00000	RDX [2C]
15	8.288	1		0.00000	0.00000	4-AMINO-2,6-DINITROTOLUENE [2C]
16	8.443	1		0.00000	0.00000	3,5-DINITROANILINE [2C]
17	8.611	1		0.00000	0.00000	2-AMINO-4,6-DINITROTOLUENE [2C]
18	8.981	1	+	0.00000	0.00000	SURROGATE (2,2'-DINITROBIPHENYL) [2C]
19	9.467	1		0.00000	0.00000	TETRYL [2C]
20	12.375	1		0.00000	0.00000	HMX [2C]

Sample Name: A7J1104-IBL1

```
=====
Acq. Operator   : RWJ                      Seq. Line :    1
Acq. Instrument : 3337G12416              Location  : Vial 1
Injection Date  : 10/11/2017 6:21:44 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:07:12 PM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
=====
Totals :                      0.00000
=====
```

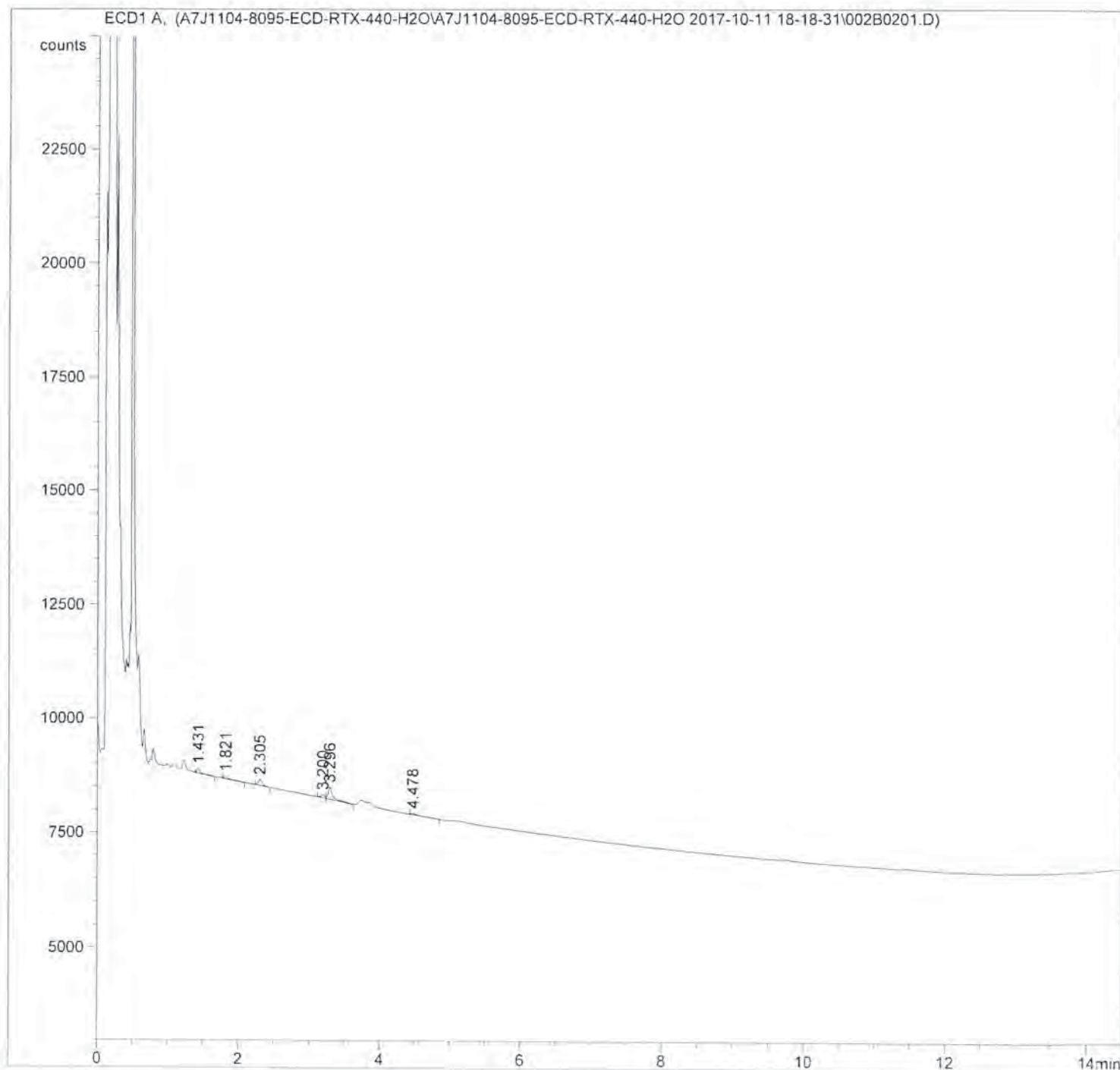
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :    2
Acq. Instrument : 3337G12416              Location  : Vial 2
Injection Date  : 10/11/2017 6:43:47 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:07:12 PM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 2
Injection Date	: 10/11/2017 6:43:47 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:07:12 PM by RWJ

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 3:06:50 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

-----|-----|-----

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.556	1		1	-	-	-		NITROBENZENE [2C]
2.198	1		1	-	-	-		2-NITROTOLUENE [2C]
2.532	1		1	-	-	-		3-NITROTOLUENE [2C]
2.698	1		1	-	-	-		4-NITROTOLUENE [2C]
3.783	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.185	1		1	-	-	-		NITROGLYCERIN [2C]
4.862	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.917	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.538	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.838	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.095	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.337	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.408	1		1	-	-	-		PETN [2C]
7.935	1		1	-	-	-		RDX [2C]
8.288	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.443	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.611	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.467	1		1	-	-	-		TETRYL [2C]
12.375	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

AM 10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :    2
Acq. Instrument : 3337G12416              Location  : Vial 2
Injection Date  : 10/11/2017 6:43:47 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:07:12 PM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.
=====
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
Height Percent Report
=====
```

Sorted By : Retention Time
Calib. Data Modified : Thursday, October 12, 2017 3:06:50 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD1 A,

Peak #	RetTime [min]	Sig	Type	Height [counts]	Height %	Name
1	1.556	1		0.00000	0.00000	NITROBENZENE [2C]
2	2.198	1		0.00000	0.00000	2-NITROTOLUENE [2C]
3	2.532	1		0.00000	0.00000	3-NITROTOLUENE [2C]
4	2.698	1		0.00000	0.00000	4-NITROTOLUENE [2C]
5	3.783	1	+I	0.00000	0.00000	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
6	4.185	1		0.00000	0.00000	NITROGLYCERIN [2C]
7	4.862	1		0.00000	0.00000	2,6-DINITROTOLUENE [2C]
8	4.917	1		0.00000	0.00000	1,3-DINITROBENZENE [2C]
9	5.538	1		0.00000	0.00000	2,4-DINITROTOLUENE [2C]
10	5.838	1		0.00000	0.00000	3,4-DINITROTOLUENE [2C]
11	7.095	1		0.00000	0.00000	2,4,6-TRINITROTOLUENE [2C]
12	7.337	1		0.00000	0.00000	1,3,5-TRINITROBENZENE [2C]
13	7.408	1		0.00000	0.00000	PETN [2C]
14	7.935	1		0.00000	0.00000	RDX [2C]
15	8.288	1		0.00000	0.00000	4-AMINO-2,6-DINITROTOLUENE [2C]
16	8.443	1		0.00000	0.00000	3,5-DINITROANILINE [2C]
17	8.611	1		0.00000	0.00000	2-AMINO-4,6-DINITROTOLUENE [2C]
18	8.981	1	+	0.00000	0.00000	SURROGATE (2,2'-DINITROBIPHENYL) [2C]
19	9.467	1		0.00000	0.00000	TETRYL [2C]
20	12.375	1		0.00000	0.00000	HMX [2C]

=====

Acq. Operator	: RWJ	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 2
Injection Date	: 10/11/2017 6:43:47 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:07:12 PM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====

Totals : 0.00000

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

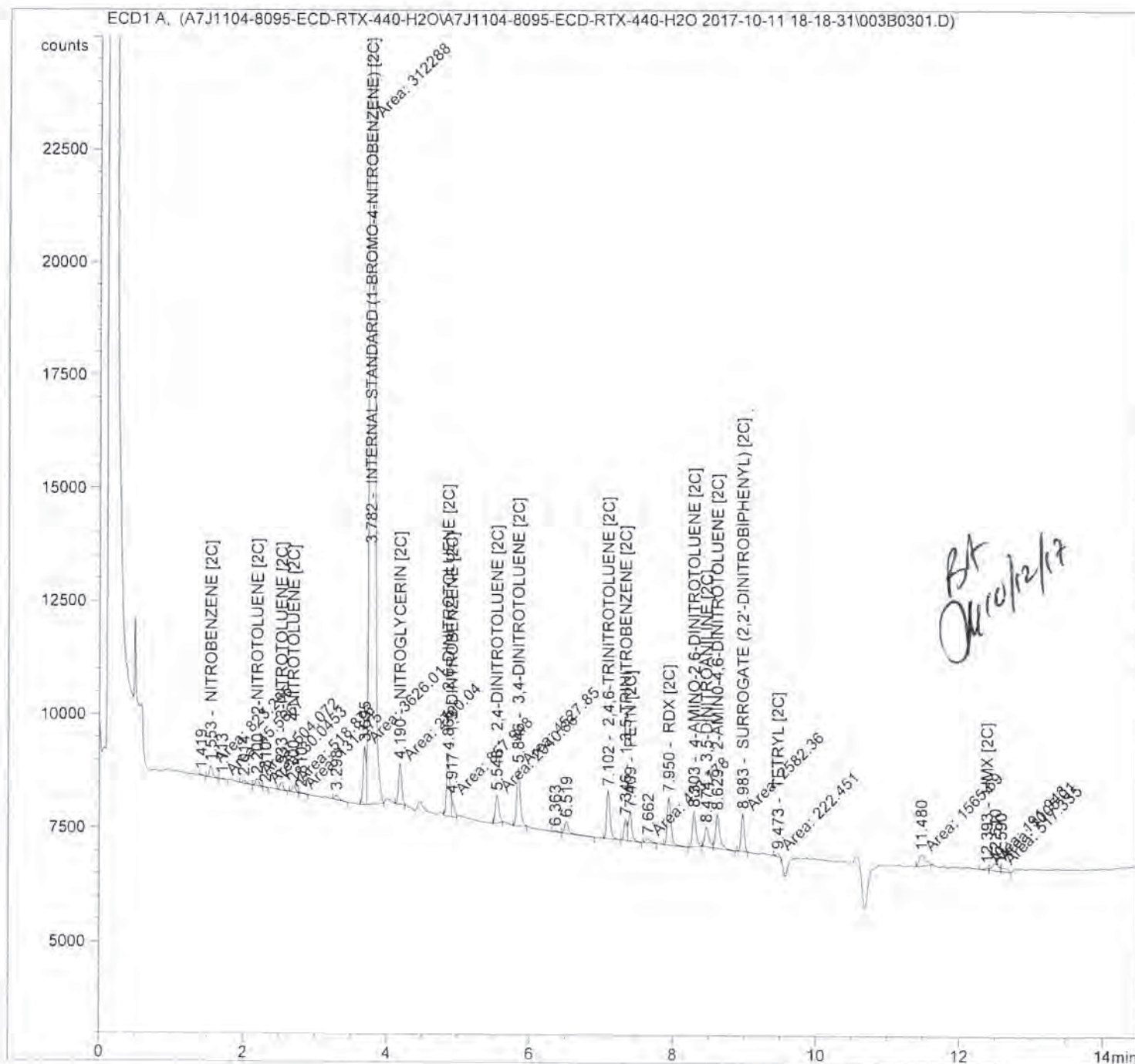
=====

*** End of Report ***

=====

Acq. Operator	: RWJ	Seq. Line	: 3
Acq. Instrument	: 3337G12416	Location	: Vial 3
Injection Date	: 10/11/2017 7:05:46 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 3
Acq. Instrument	: 3337G12416	Location	: Vial 3
Injection Date	: 10/11/2017 7:05:46 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:12:36 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:12:38 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD ISTD Amount Name

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime	Sig	Type	ISTD	Height	Amt/Height	Amount	Grp	Name
[min]			used	[counts]	ratio			
1.553	1	MF	1	244.89549	2.92751	9.41552e-4		NITROBENZENE [2C]
2.200	1	MF	1	153.75696	4.74368	9.57891e-4		2-NITROTOLUENE [2C]
2.533	1	BB	1	165.36047	4.30788	9.35536e-4		3-NITROTOLUENE [2C]
2.700	1	MF	1	152.41261	4.49513	8.99765e-4		4-NITROTOLUENE [2C]
3.782	1	FM +I	1	9.51797e4	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.190	1	MM	1	886.55249	7.88286e-1	9.17812e-4		NITROGLYCERIN [2C]
4.866	1	VV	1	1344.76184	5.30989e-1	9.37770e-4		2,6-DINITROTOLUENE [2C]
4.917	1	MF	1	407.06058	1.95045	1.04270e-3		1,3-DINITROBENZENE [2C]
5.548	1	MM	1	598.30334	1.12475	8.83776e-4		2,4-DINITROTOLUENE [2C]
5.846	1	MM	1	1270.64880	5.65709e-1	9.44026e-4		3,4-DINITROTOLUENE [2C]
7.102	1	BB	1	1047.83093	7.05274e-1	9.70542e-4		2,4,6-TRINITROTOLUENE [2C]
7.346	1	BV	1	449.87317	1.48122	8.75134e-4		1,3,5-TRINITROBENZENE [2C]
7.409	1	VB	1	627.91394	1.15427	9.51860e-4		PETN [2C]
7.950	1	VB	1	1039.65588	7.64478e-1	1.04381e-3		RDX [2C]
8.303	1	BB	1	755.12781	9.35887e-1	9.28131e-4		4-AMINO-2,6-DINITROTOLUENE [2C]
8.474	1	BV	1	429.03516	1.43658	8.09446e-4		3,5-DINITROANILINE [2C]
8.629	1	VB	1	736.87854	9.12652e-1	8.83215e-4		2-AMINO-4,6-DINITROTOLUENE [2C]
8.983	1	MM +	1	824.61108	8.79737e-1	9.52725e-4		SURROGATE (2,2'-DINITROBIPHENYL)
9.473	1	MM	1	60.80255	12.53140	1.00066e-3		TETRYL [2C]
12.393	1	MF	1	47.73502	14.80775	9.28307e-4		HMX [2C]

Handwritten signature/initials

```
=====
Acq. Operator   : RWJ                      Seq. Line :    3
Acq. Instrument : 3337G12416              Location  : Vial 3
Injection Date  : 10/11/2017 7:05:46 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:12:36 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                      1.78047e-2
```

1 Warnings or Errors :

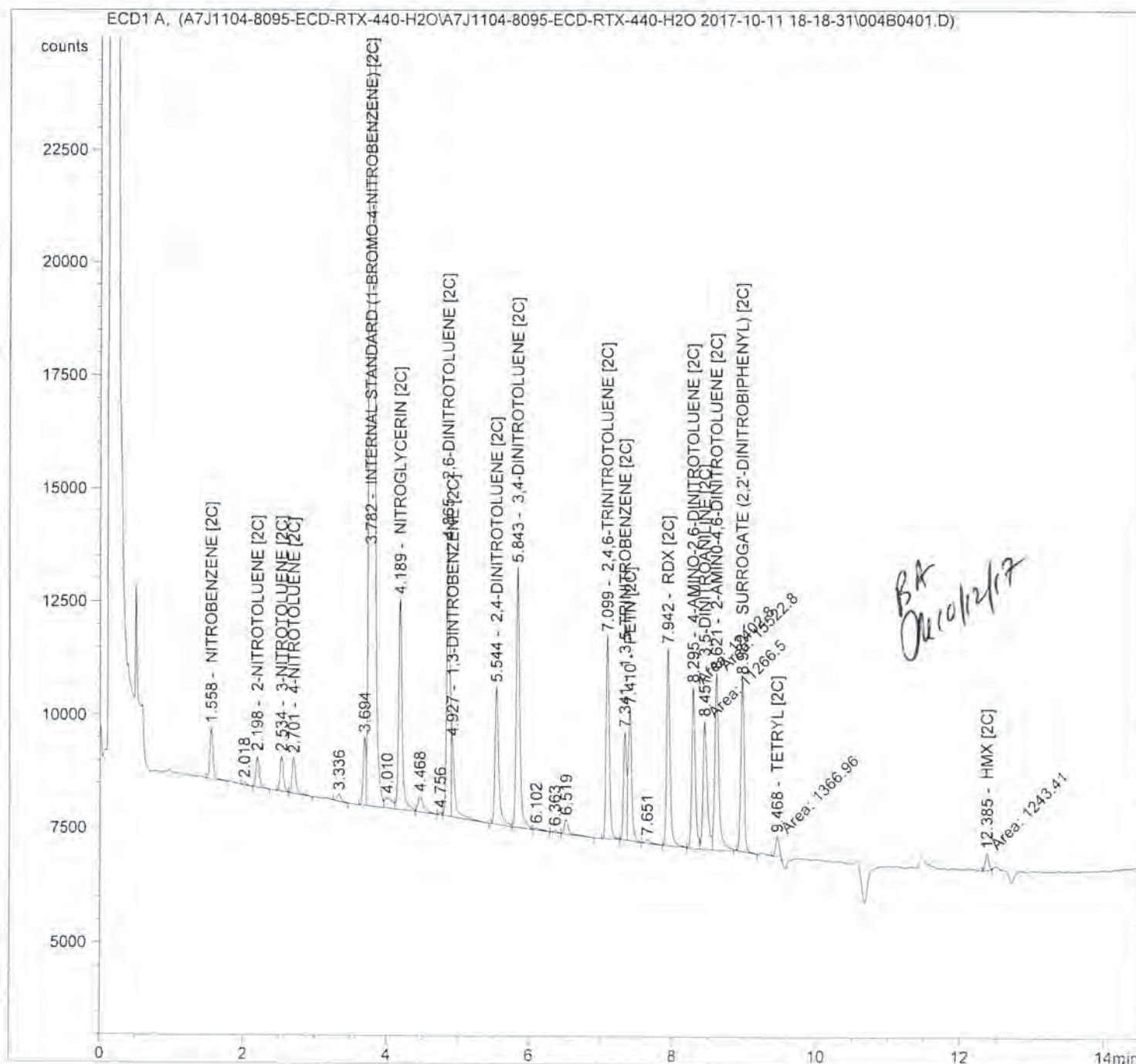
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 4
Acq. Instrument	: 3337G12416	Location	: Vial 4
Injection Date	: 10/11/2017 7:27:56 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 4
Acq. Instrument	: 3337G12416	Location	: Vial 4
Injection Date	: 10/11/2017 7:27:56 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:12:36 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:12:38 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
#		

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.558	1	BB	1	1139.20740	3.15289	4.12543e-3		NITROBENZENE [2C]
2.198	1	BB	1	700.93964	4.99770	4.02354e-3		2-NITROTOLUENE [2C]
2.534	1	BV	1	778.95911	4.54930	4.07021e-3		3-NITROTOLUENE [2C]
2.701	1	VB	1	790.29608	4.61277	4.18706e-3		4-NITROTOLUENE [2C]
3.782	1	VV +I	1	1.08831e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.189	1	VB	1	4651.90918	7.75778e-1	4.14501e-3		NITROGLYCERIN [2C]
4.865	1	VV	1	6014.79443	5.96512e-1	4.12095e-3		2,6-DINITROTOLUENE [2C]
4.927	1	VB B	1	1691.87329	1.99374	3.87431e-3		1,3-DINITROBENZENE [2C]
5.544	1	BV	1	3034.68359	1.21798	4.24533e-3		2,4-DINITROTOLUENE [2C]
5.843	1	VB	1	5726.77881	6.20239e-1	4.07969e-3		3,4-DINITROTOLUENE [2C]
7.099	1	BB	1	4463.86133	7.54355e-1	3.86762e-3		2,4,6-TRINITROTOLUENE [2C]
7.341	1	BV	1	2369.90894	1.57164	4.27802e-3		1,3,5-TRINITROBENZENE [2C]
7.410	1	VB	1	2902.13843	1.20853	4.02839e-3		PETN [2C]
7.942	1	BB	1	4345.60400	7.36697e-1	3.67703e-3		RDX [2C]
8.295	1	MF	1	3550.41528	1.01073	4.12165e-3		4-AMINO-2,6-DINITROTOLUENE [2C]
8.457	1	FM	1	2824.03052	1.37321	4.45415e-3		3,5-DINITROANILINE [2C]
8.621	1	FM	1	3880.97266	9.48947e-1	4.23000e-3		2-AMINO-4,6-DINITROTOLUENE [2C]
8.982	1	BB +	1	3791.60596	9.05304e-1	3.94253e-3		SURROGATE (2,2'-DINITROBIPHENYL)
9.468	1	MM	1	423.14529	7.60666	3.69693e-3		TETRYL [2C]
12.385	1	MM	1	378.25833	9.33084	4.05384e-3		HMX [2C]

Mr 12/17

=====

Acq. Operator	: RWJ	Seq. Line	: 4
Acq. Instrument	: 3337G12416	Location	: Vial 4
Injection Date	: 10/11/2017 7:27:56 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====

Totals without ISTD(s) : 7.72217e-2

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

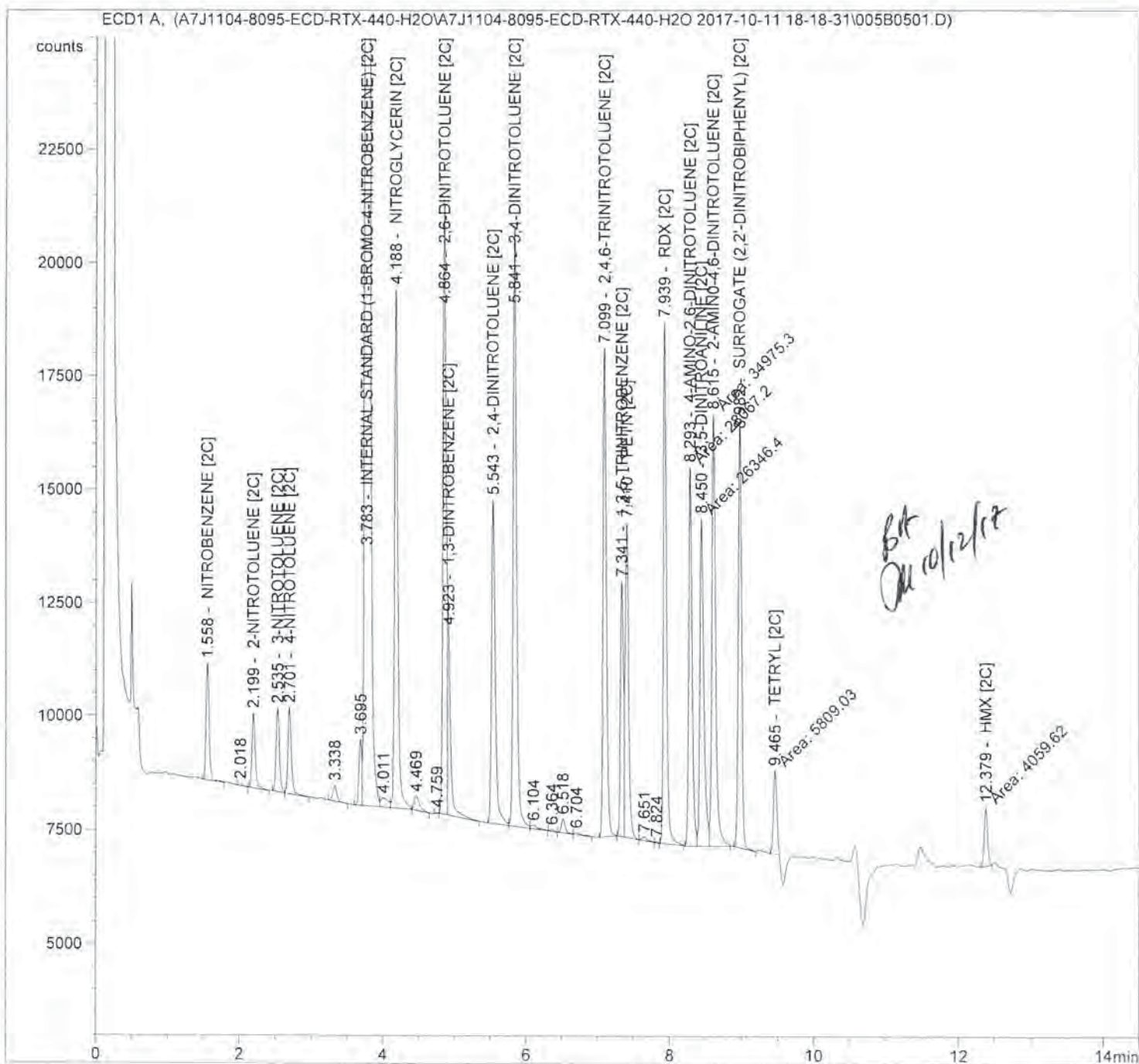
=====

*** End of Report ***

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Acq. Operator	: RWJ	Seq. Line	: 5
Acq. Instrument	: 3337G12416	Location	: Vial 5
Injection Date	: 10/11/2017 7:49:58 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

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Acq. Operator	: RWJ	Seq. Line	: 5
Acq. Instrument	: 3337G12416	Location	: Vial 5
Injection Date	: 10/11/2017 7:49:58 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:12:36 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

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Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:12:38 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime	Sig	Type	ISTD	Height	Amt/Height	Amount	Grp	Name
[min]			used	[counts]	ratio			
1.558	1	BB	1	2579.77661	3.29999	1.02313e-2		NITROBENZENE [2C]
2.199	1	BB	1	1646.56299	5.17013	1.02310e-2		2-NITROTOLUENE [2C]
2.535	1	BV	1	1830.65662	4.70971	1.03619e-2		3-NITROTOLUENE [2C]
2.701	1	VB	1	1886.62793	4.68550	1.06238e-2		4-NITROTOLUENE [2C]
3.783	1	VV +I	1	1.04010e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.188	1	VB	1	1.14627e4	7.68102e-1	1.05813e-2		NITROGLYCERIN [2C]
4.864	1	BV	1	1.35675e4	6.41852e-1	1.04658e-2		2,6-DINITROTOLUENE [2C]
4.923	1	VB B	1	4088.23633	2.02545	9.95164e-3		1,3-DINITROBENZENE [2C]
5.543	1	BV	1	7134.95361	1.27802	1.09589e-2		2,4-DINITROTOLUENE [2C]
5.841	1	VV	1	1.32316e4	6.58084e-1	1.04648e-2		3,4-DINITROTOLUENE [2C]
7.099	1	BB	1	1.07758e4	7.90970e-1	1.02435e-2		2,4,6-TRINITROTOLUENE [2C]
7.341	1	BV	1	5616.65088	1.62800	1.09892e-2		1,3,5-TRINITROBENZENE [2C]
7.410	1	VB	1	6942.72070	1.24555	1.03927e-2		PETN [2C]
7.939	1	BB	1	1.14982e4	7.15582e-1	9.88838e-3		RDX [2C]
8.293	1	MF	1	8347.08496	1.06146	1.06482e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.450	1	MF	1	7217.79102	1.33884	1.16136e-2		3,5-DINITROANILINE [2C]
8.615	1	FM	1	9513.09180	9.72045e-1	1.11133e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.982	1	BB +	1	9405.21875	9.23255e-1	1.04358e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.465	1	MM	1	1815.05347	5.02288	1.09567e-2		TETRYL [2C]
12.379	1	MM	1	1280.57617	6.90050	1.06199e-2		HMX [2C]

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Acq. Operator	: RWJ	Seq. Line	: 5
Acq. Instrument	: 3337G12416	Location	: Vial 5
Injection Date	: 10/11/2017 7:49:58 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

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Totals without ISTD(s) : 2.00772e-1

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

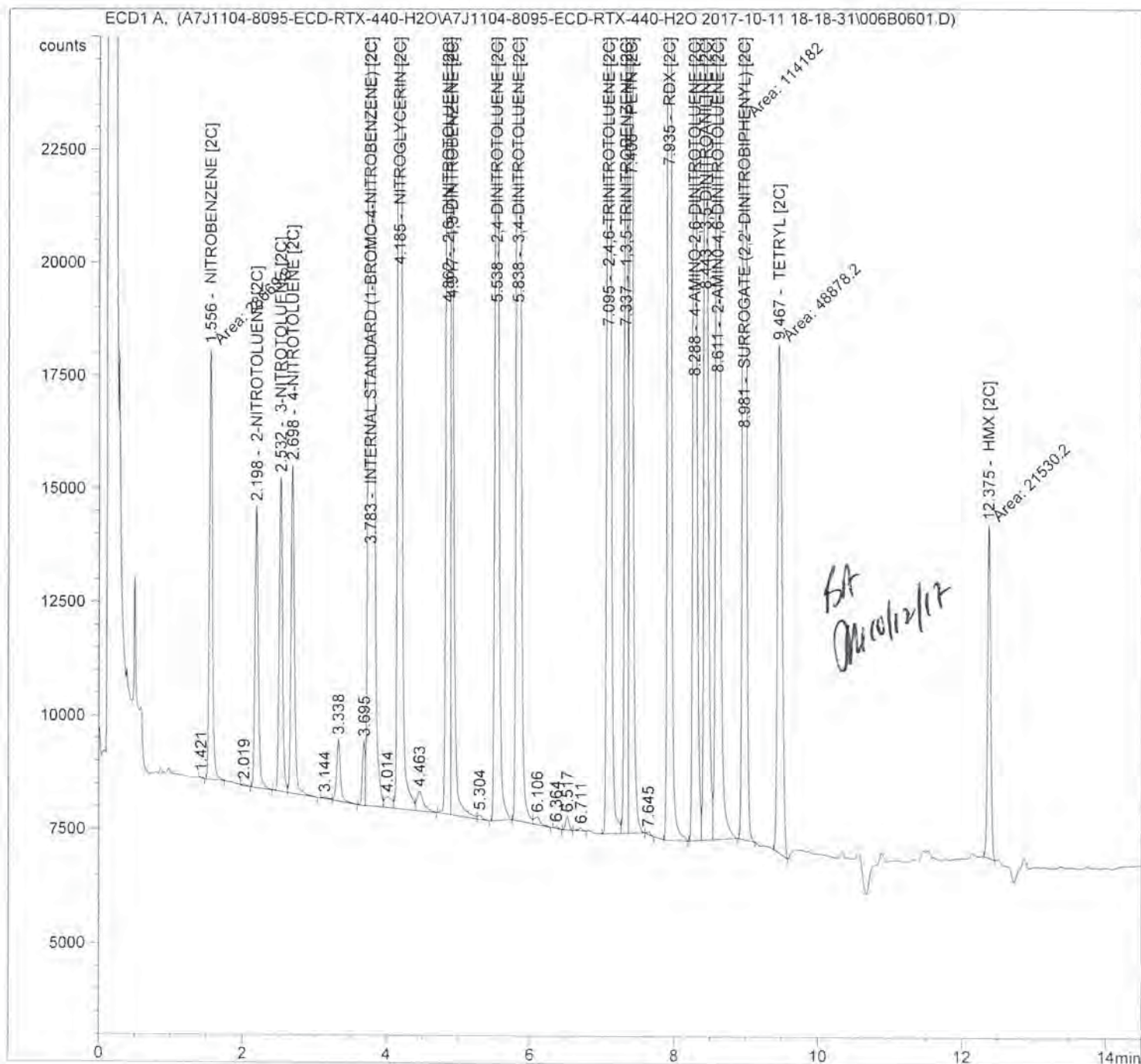
=====

*** End of Report ***

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Acq. Operator	: RWJ	Seq. Line	: 6
Acq. Instrument	: 3337G12416	Location	: Vial 6
Injection Date	: 10/11/2017 8:12:02 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

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Acq. Operator	: RWJ	Seq. Line	: 6
Acq. Instrument	: 3337G12416	Location	: Vial 6
Injection Date	: 10/11/2017 8:12:02 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:12:36 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

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Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:12:38 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.556	1	MM	1	9524.04102	3.54153	4.17863e-2		NITROBENZENE [2C]
2.198	1	BB	1	6212.79004	5.44191	4.18851e-2		2-NITROTOLUENE [2C]
2.532	1	BV	1	6927.30908	4.96320	4.25940e-2		3-NITROTOLUENE [2C]
2.698	1	VB	1	7237.39453	4.79688	4.30094e-2		4-NITROTOLUENE [2C]
3.783	1	VV +I	1	1.00899e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.185	1	VV	1	4.50719e4	7.56900e-1	4.22636e-2		NITROGLYCERIN [2C]
4.862	1	BV	1	4.62490e4	7.14488e-1	4.09373e-2		2,6-DINITROTOLUENE [2C]
4.917	1	VV B	1	1.57225e4	2.07347	4.03870e-2		1,3-DINITROBENZENE [2C]
5.538	1	BB	1	2.47874e4	1.36822	4.20154e-2		2,4-DINITROTOLUENE [2C]
5.838	1	BV	1	4.64058e4	7.17347e-1	4.12404e-2		3,4-DINITROTOLUENE [2C]
7.095	1	BV	1	4.06440e4	8.47863e-1	4.26917e-2		2,4,6-TRINITROTOLUENE [2C]
7.337	1	VV	1	1.97487e4	1.71138	4.18705e-2		1,3,5-TRINITROBENZENE [2C]
7.408	1	VB	1	2.56252e4	1.30150	4.13175e-2		PETN [2C]
7.935	1	BB	1	4.90897e4	6.85933e-1	4.17152e-2		RDX [2C]
8.288	1	BV	1	2.89386e4	1.13763	4.07851e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.443	1	VV	1	2.70977e4	1.29295	4.34046e-2		3,5-DINITROANILINE [2C]
8.611	1	VB	1	3.35549e4	1.00462	4.17617e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1	MM +	1	3.60820e4	9.49760e-1	4.24548e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.467	1	MM	1	1.12009e4	3.01191	4.17945e-2		TETRYL [2C]
12.375	1	MM	1	7320.22510	4.51977	4.09886e-2		HMX [2C]

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Acq. Operator	: RWJ	Seq. Line	: 6
Acq. Instrument	: 3337G12416	Location	: Vial 6
Injection Date	: 10/11/2017 8:12:02 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

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Totals without ISTD(s) : 7.94902e-1

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

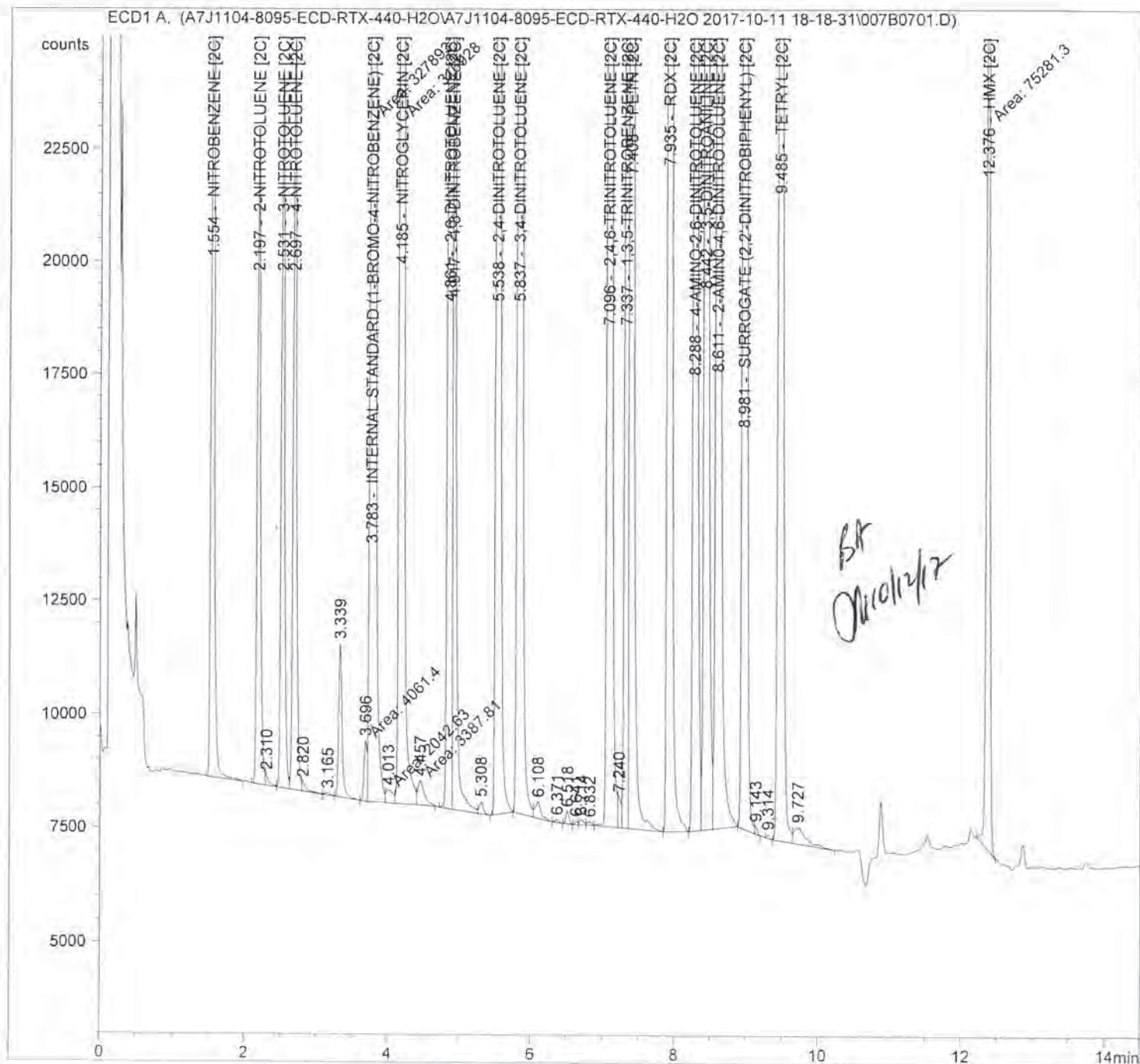
=====

*** End of Report ***

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Acq. Operator	: RWJ	Seq. Line	: 7
Acq. Instrument	: 3337G12416	Location	: Vial 7
Injection Date	: 10/11/2017 8:34:08 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:12:36 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

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Acq. Operator	: RWJ	Seq. Line	: 7
Acq. Instrument	: 3337G12416	Location	: Vial 7
Injection Date	: 10/11/2017 8:34:08 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:12:36 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

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Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:12:38 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD #	ISTD Amount	Name
--------	-------------	------

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.554	1	BB	1	2.18972e4	3.70464	1.02461e-1		NITROBENZENE [2C]
2.197	1	BV	1	1.44980e4	5.62275	1.02963e-1		2-NITROTOLUENE [2C]
2.531	1	VV	1	1.59270e4	5.12874	1.03174e-1		3-NITROTOLUENE [2C]
2.697	1	VV	1	1.66477e4	4.86726	1.02344e-1		4-NITROTOLUENE [2C]
3.783	1	FM +I	1	9.89662e4	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.185	1	FM	1	1.06695e5	7.49931e-1	1.01062e-1		NITROGLYCERIN [2C]
4.861	1	BV	1	1.05133e5	7.67601e-1	1.01929e-1		2,6-DINITROTOLUENE [2C]
4.917	1	VV B	1	3.48410e4	2.10242	9.25197e-2		1,3-DINITROBENZENE [2C]
5.538	1	BB	1	5.59530e4	1.43056	1.01100e-1		2,4-DINITROTOLUENE [2C]
5.837	1	BV	1	1.05552e5	7.58994e-1	1.01188e-1		3,4-DINITROTOLUENE [2C]
7.096	1	BV	1	9.56546e4	8.86684e-1	1.07127e-1		2,4,6-TRINITROTOLUENE [2C]
7.337	1	VV	1	4.59314e4	1.76967	1.02666e-1		1,3,5-TRINITROBENZENE [2C]
7.408	1	VB	1	6.10890e4	1.34007	1.03399e-1		PETN [2C]
7.935	1	BB	1	1.25263e5	6.67458e-1	1.05602e-1		RDX [2C]
8.288	1	BV	1	6.79389e4	1.19296	1.02369e-1		4-AMINO-2,6-DINITROTOLUENE [2C]
8.442	1	VV	1	6.40764e4	1.26396	1.02295e-1		3,5-DINITROANILINE [2C]
8.611	1	VB	1	7.70033e4	1.02666	9.98524e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1	BV +	1	8.56208e4	9.67192e-1	1.04596e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.485	1	BV	1	3.38990e4	2.20590	9.44486e-2		TETRYL [2C]
12.376	1	MM	1	2.56121e4	3.33699	1.07950e-1		HMX [2C]

Qu 10/12/17

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=====
Acq. Operator   : RWJ                      Seq. Line :    7
Acq. Instrument : 3337G12416              Location  : Vial 7
Injection Date  : 10/11/2017 8:34:08 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:12:36 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
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Totals without ISTD(s) :                      1.93904
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1 Warnings or Errors :

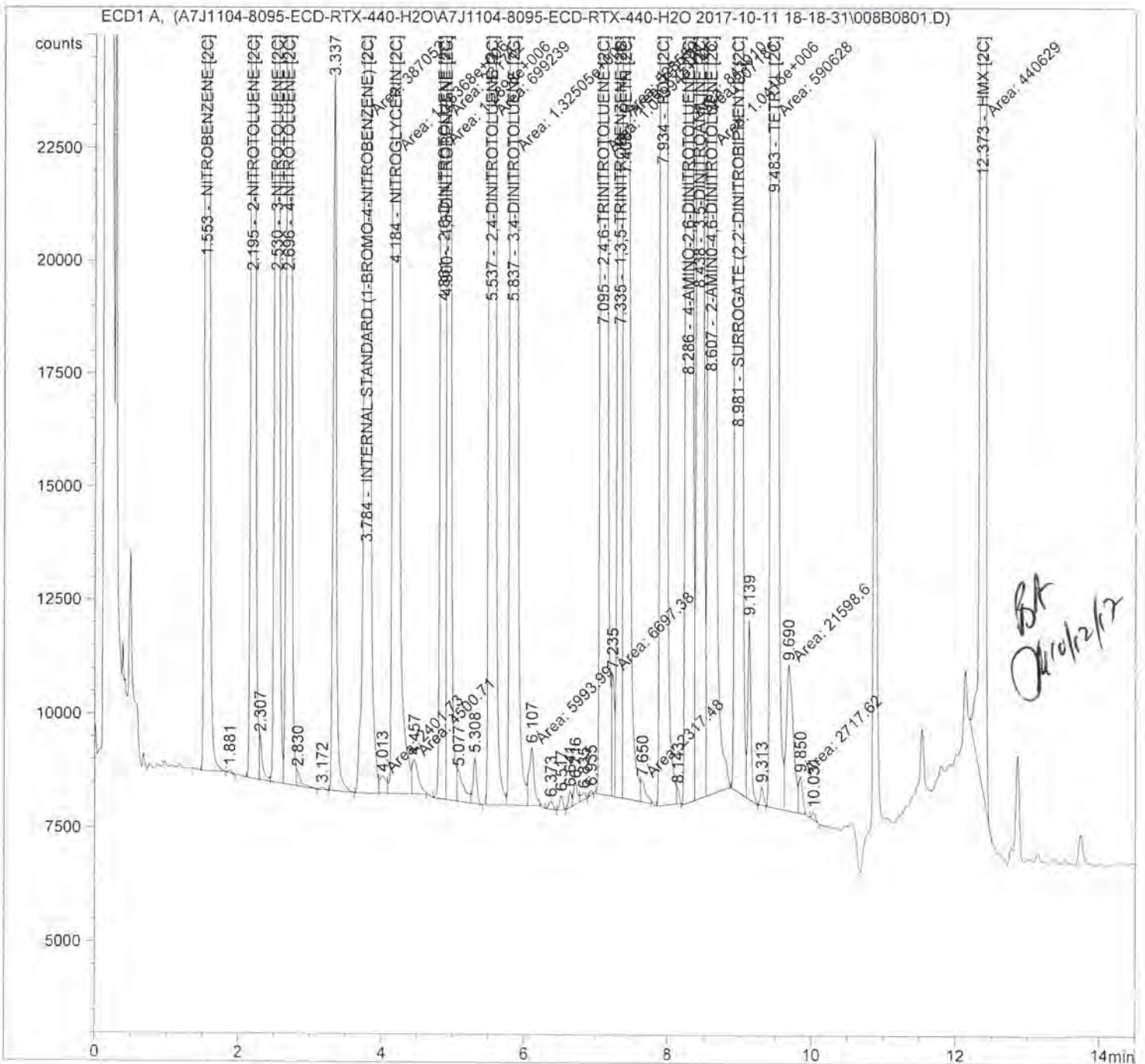
Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***
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Acq. Operator	: RWJ	Seq. Line	: 8
Acq. Instrument	: 3337G12416	Location	: Vial 8
Injection Date	: 10/11/2017 8:56:14 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:13:58 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

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Acq. Operator	: RWJ	Seq. Line	: 8
Acq. Instrument	: 3337G12416	Location	: Vial 8
Injection Date	: 10/11/2017 8:56:14 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:13:58 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

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Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:13:59 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD ISTD Amount Name

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.553	1	BB	1	8.55354e4	3.95457	3.76136e-1		NITROBENZENE [2C]
2.195	1	BV	1	5.74237e4	5.89399	3.76357e-1		2-NITROTOLUENE [2C]
2.530	1	VV	1	6.17317e4	5.37701	3.69104e-1		3-NITROTOLUENE [2C]
2.696	1	VV	1	6.57069e4	4.97197	3.63278e-1		4-NITROTOLUENE [2C]
3.784	1	MF +I	1	1.12411e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.184	1	MF	1	4.52575e5	7.39630e-1	3.72224e-1		NITROGLYCERIN [2C]
4.861	1	MF	1	4.00692e5	8.51110e-1	3.79224e-1		2,6-DINITROTOLUENE [2C]
4.900	1	FM	1	1.77641e5	2.15682	4.26046e-1		1,3-DINITROBENZENE [2C]
5.537	1	MF	1	2.15783e5	1.52716	3.66437e-1		2,4-DINITROTOLUENE [2C]
5.837	1	MF	1	4.14839e5	8.24913e-1	3.80528e-1		3,4-DINITROTOLUENE [2C]
7.095	1	MF	1	3.47791e5	9.41055e-1	3.63942e-1		2,4,6-TRINITROTOLUENE [2C]
7.335	1	MF	1	1.75444e5	1.85491	3.61877e-1		1,3,5-TRINITROBENZENE [2C]
7.408	1	FM	1	2.42116e5	1.39629	3.75923e-1		PETN [2C]
7.934	1	BV	1	5.35662e5	6.42662e-1	3.82801e-1		RDX [2C]
8.286	1	MF	1	2.65250e5	1.27585	3.76319e-1		4-AMINO-2,6-DINITROTOLUENE [2C]
8.438	1	FM	1	2.52919e5	1.22402	3.44247e-1		3,5-DINITROANILINE [2C]
8.607	1	FM	1	3.13411e5	1.06067	3.69651e-1		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1	BV +	1	3.33307e5	9.92031e-1	3.67679e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.483	1	MF	1	1.29869e5	1.57631	2.27639e-1		TETRYL [2C]
12.373	1	MM	1	1.42484e5	2.28428	3.61921e-1		HMX [2C]

NOT USED
IN ICA
12/30/17
01/10/2017

```
=====
Acq. Operator   : RWJ                      Seq. Line :    8
Acq. Instrument : 3337G12416              Location  : Vial 8
Injection Date  : 10/11/2017 8:56:14 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

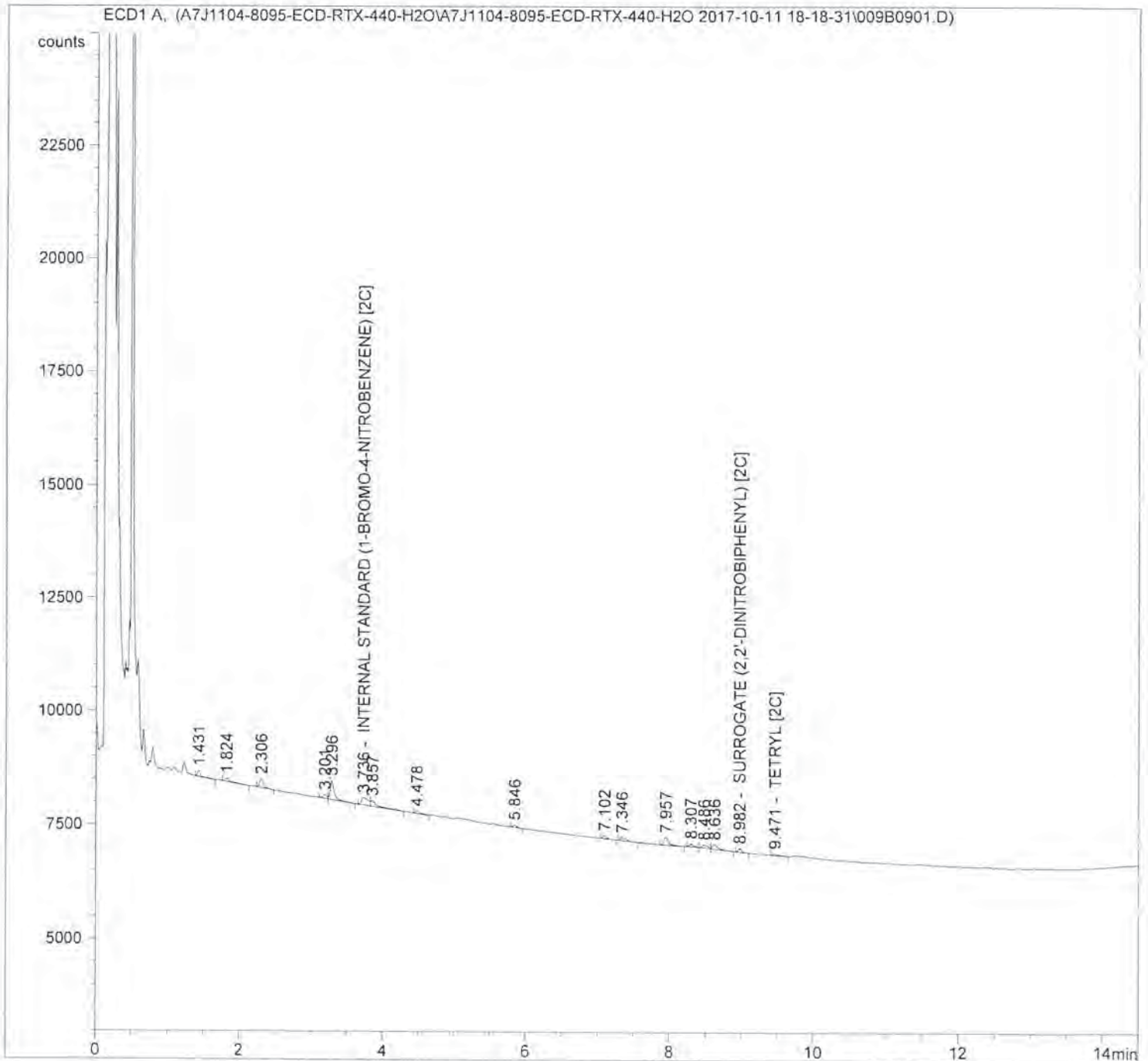
```
Totals without ISTD(s) :                      6.94133
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :    9
Acq. Instrument : 3337G12416              Location  : Vial 9
Injection Date  : 10/11/2017 9:18:13 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 9
Acq. Instrument	: 3337G12416	Location	: Vial 9
Injection Date	: 10/11/2017 9:18:13 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:13:58 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:13:59 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.536	1		1	-	-	-		NITROBENZENE [2C]
2.170	1		1	-	-	-		2-NITROTOLUENE [2C]
2.501	1		1	-	-	-		3-NITROTOLUENE [2C]
2.665	1		1	-	-	-		4-NITROTOLUENE [2C]
3.736	1	BV +I	1	162.16527	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.142	1		1	-	-	-		NITROGLYCERIN [2C]
4.825	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.880	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.508	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.810	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.079	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.322	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.394	1		1	-	-	-		PETN [2C]
7.926	1		1	-	-	-		RDX [2C]
8.282	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.446	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.608	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.982	1	BB +	1	78.87151	9.55792e-1	5.81080e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.471	1	BB	1	38.41490	2.44261	7.23280e-2		TETRYL [2C]
12.376	1		1	-	-	-		HMX [2C]

Handwritten signature
10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :    9
Acq. Instrument : 3337G12416              Location  : Vial 9
Injection Date  : 10/11/2017 9:18:13 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                1.30436e-1
```

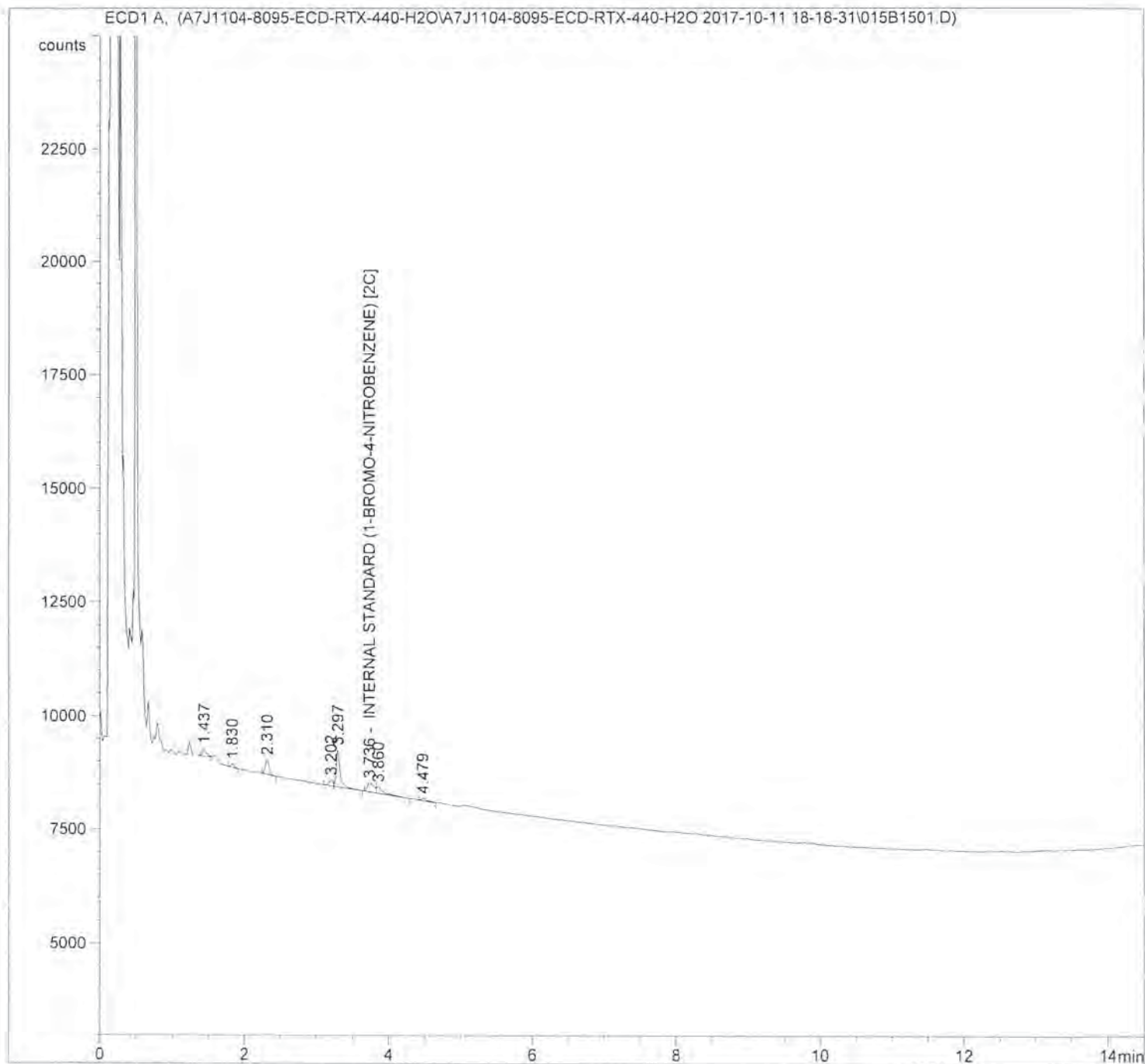
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
=====
*** End of Report ***
```

Sample Name: A7J1104-IBL4

```
=====
Acq. Operator   : RWJ                      Seq. Line :   15
Acq. Instrument : 3337G12416              Location  : Vial 15
Injection Date  : 10/11/2017 11:29:53 PM Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed     : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```



Sample Name: A7J1104-IBL4

```

=====
Acq. Operator   : RWJ                      Seq. Line :   15
Acq. Instrument : 3337G12416              Location  : Vial 15
Injection Date  : 10/11/2017 11:29:53 PM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                                           H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                                           (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                                           FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                                           INJECTION 2 UL.
=====

```

```

=====
Internal Standard Report
=====

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      10/12/2017 3:13:59 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:      :      1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#

```

```

-----|-----|-----
1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

```

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.536	1		1	-	-	-		NITROBENZENE [2C]
2.170	1		1	-	-	-		2-NITROTOLUENE [2C]
2.501	1		1	-	-	-		3-NITROTOLUENE [2C]
2.665	1		1	-	-	-		4-NITROTOLUENE [2C]
3.736	1	BV +I	1	195,93513	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.133	1		1	-	-	-		NITROGLYCERIN [2C]
4.802	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.856	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.470	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.766	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.008	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.246	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.317	1		1	-	-	-		PETN [2C]
7.837	1		1	-	-	-		RDX [2C]
8.186	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.346	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.505	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.351	1		1	-	-	-		TETRYL [2C]
12.223	1		1	-	-	-		HMX [2C]

Sample Name: A7J1104-IBL4

```
=====
Acq. Operator   : RWJ                      Seq. Line :   15
Acq. Instrument : 3337G12416                Location  : Vial 15
Injection Date  : 10/11/2017 11:29:53 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440-M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
=====
Totals without ISTD(s) :                      0.00000
=====
```

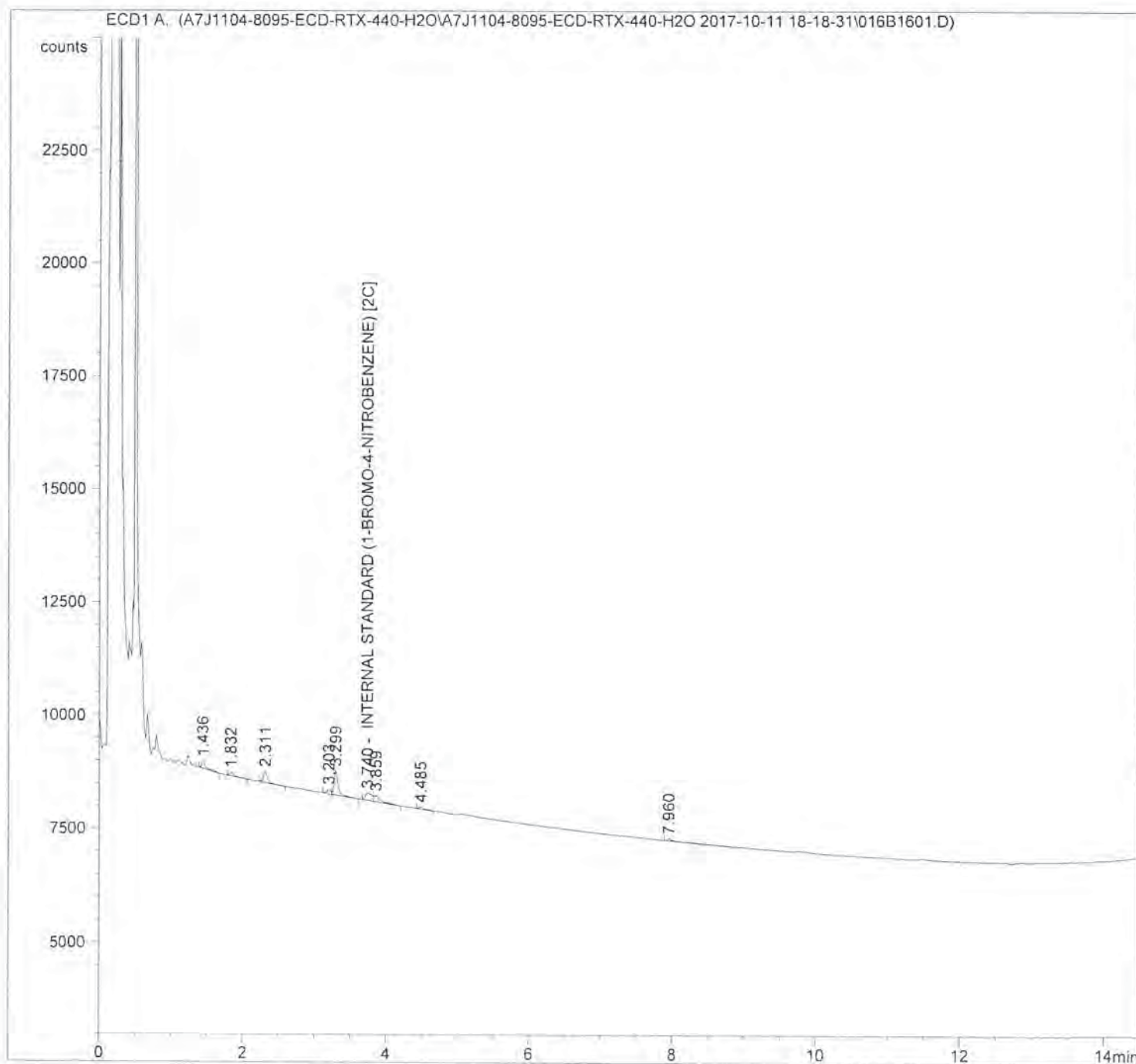
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   16
Acq. Instrument : 3337G12416              Location  : Vial 16
Injection Date  : 10/11/2017 11:52:01 PM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL,
                  INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 16
Acq. Instrument	: 3337G12416	Location	: Vial 16
Injection Date	: 10/11/2017 11:52:01 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:13:58 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:13:59 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD ISTD Amount Name

#

----|-----|-----

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.538	1		1	-	-	-		NITROBENZENE [2C]
2.173	1		1	-	-	-		2-NITROTOLUENE [2C]
2.503	1		1	-	-	-		3-NITROTOLUENE [2C]
2.668	1		1	-	-	-		4-NITROTOLUENE [2C]
3.740	1	BV +I	1	155.80118	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.138	1		1	-	-	-		NITROGLYCERIN [2C]
4.807	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.861	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.476	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.772	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.015	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.254	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.324	1		1	-	-	-		PETN [2C]
7.845	1		1	-	-	-		RDX [2C]
8.194	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.355	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.514	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.361	1		1	-	-	-		TETRYL [2C]
12.236	1		1	-	-	-		HMX [2C]

aud/12/17

Sample Name: A7J1104-IBL5

```
=====
Acq. Operator   : RWJ                      Seq. Line :   16
Acq. Instrument : 3337G12416                Location  : Vial 16
Injection Date  : 10/11/2017 11:52:01 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                      0.00000
```

2 Warnings or Errors :

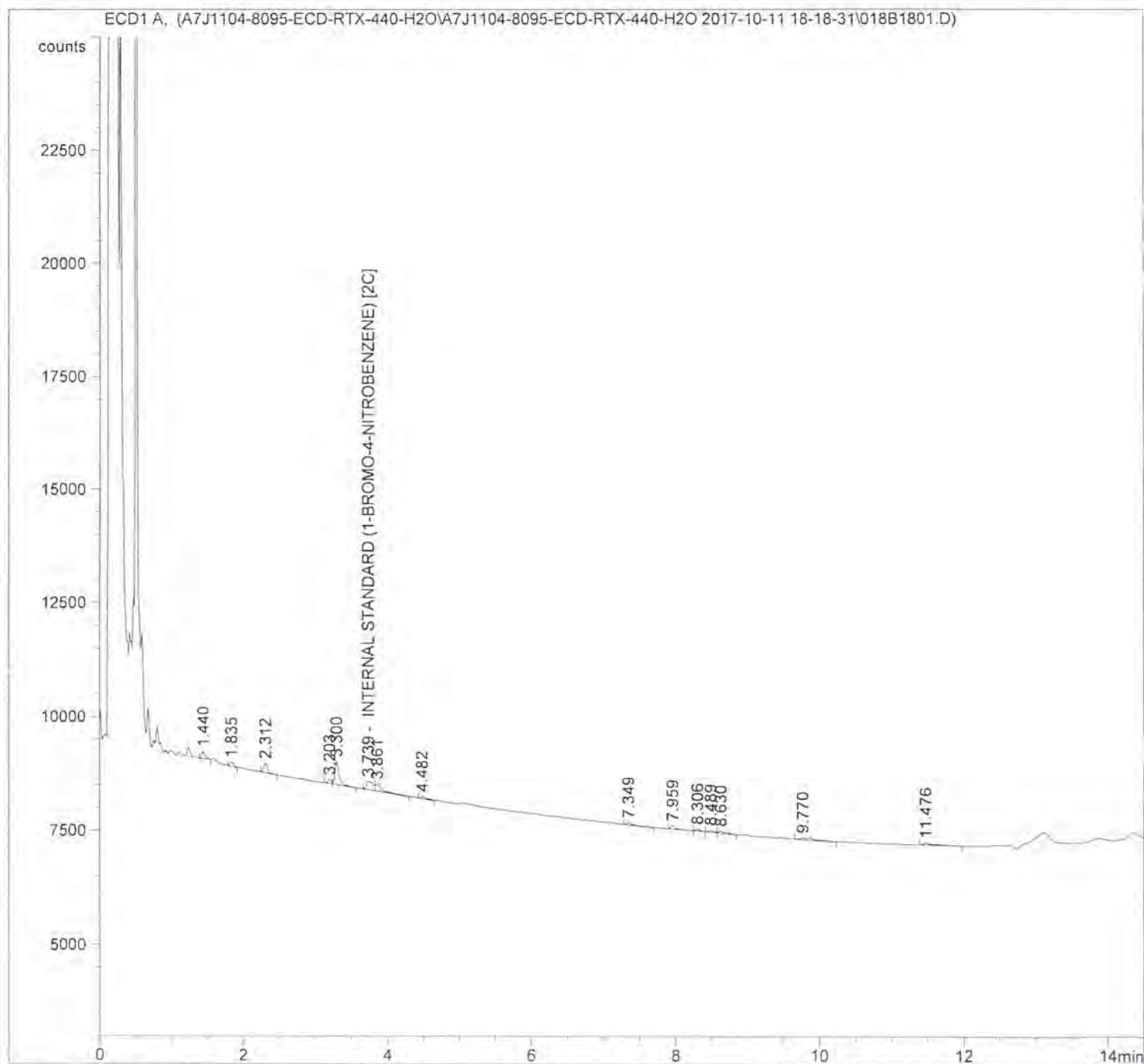
Warning : Calibration warnings (see calibration table listing)

Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
```

Sample Name: A7J1104-IBL6

```
=====
Acq. Operator   : RWJ                      Seq. Line :   18
Acq. Instrument : 3337G12416              Location  : Vial 18
Injection Date  : 10/12/2017 12:36:09 AM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```



Sample Name: A7J1104-IBL6

```

=====
Acq. Operator   : RWJ                      Seq. Line :   18
Acq. Instrument : 3337G12416              Location  : Vial 18
Injection Date  : 10/12/2017 12:36:09 AM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====

```

```

=====
Internal Standard Report
=====

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      10/12/2017 3:27:43 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:       :      1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#

```

```

-----|-----|-----
1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

```

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.538	1		1	-	-	-		NITROBENZENE [2C]
2.172	1		1	-	-	-		2-NITROTOLUENE [2C]
2.503	1		1	-	-	-		3-NITROTOLUENE [2C]
2.667	1		1	-	-	-		4-NITROTOLUENE [2C]
3.739	1	BV +I	1	178,77010	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.137	1		1	-	-	-		NITROGLYCERIN [2C]
4.806	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.860	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.474	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.770	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.013	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.252	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.322	1		1	-	-	-		PETN [2C]
7.843	1		1	-	-	-		RDX [2C]
8.192	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.352	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.512	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.370	1		1	-	-	-		TETRYL [2C]
12.232	1		1	-	-	-		HMX [2C]

Sample Name: A7J1104-IBL6

```
=====
Acq. Operator   : RWJ                      Seq. Line :   18
Acq. Instrument : 3337G12416              Location  : Vial 18
Injection Date  : 10/12/2017 12:36:09 AM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
=====
Totals without ISTD(s) :                      0.00000
```

2 Warnings or Errors :

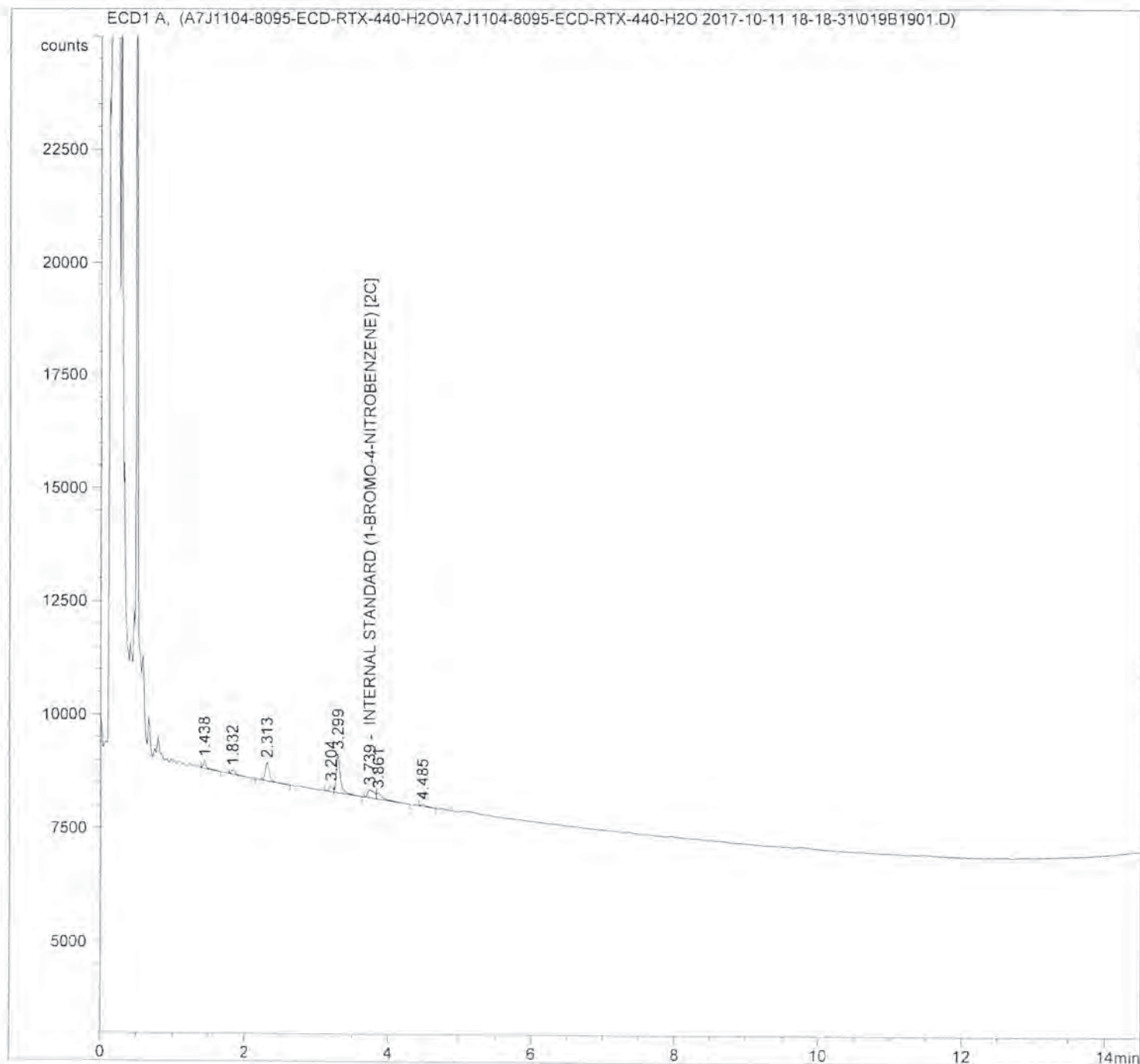
Warning : Calibration warnings (see calibration table listing)

Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

Sample Name: A7J1104-IBL7

```
=====
Acq. Operator   : RWJ                      Seq. Line :   19
Acq. Instrument : 3337G12416              Location  : Vial 19
Injection Date  : 10/12/2017 12:58:16 AM   Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed     : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 19
Acq. Instrument	: 3337G12416	Location	: Vial 19
Injection Date	: 10/12/2017 12:58:16 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD ISTD Amount Name

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.538	1		1	-	-	-		NITROBENZENE [2C]
2.172	1		1	-	-	-		2-NITROTOLUENE [2C]
2.503	1		1	-	-	-		3-NITROTOLUENE [2C]
2.667	1		1	-	-	-		4-NITROTOLUENE [2C]
3.739	1	BV +I	1	177.12712	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.137	1		1	-	-	-		NITROGLYCERIN [2C]
4.806	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.860	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.474	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.770	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.013	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.252	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.322	1		1	-	-	-		PETN [2C]
7.843	1		1	-	-	-		RDX [2C]
8.192	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.352	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.512	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.371	1		1	-	-	-		TETRYL [2C]
12.232	1		1	-	-	-		HMX [2C]

10/12/17

Sample Name: A7J1104-IBL7

```
=====
Acq. Operator   : RWJ                      Seq. Line :   19
Acq. Instrument : 3337G12416                Location  : Vial 19
Injection Date  : 10/12/2017 12:58:16 AM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

Totals without ISTD(s) : 0.00000

2 Warnings or Errors :

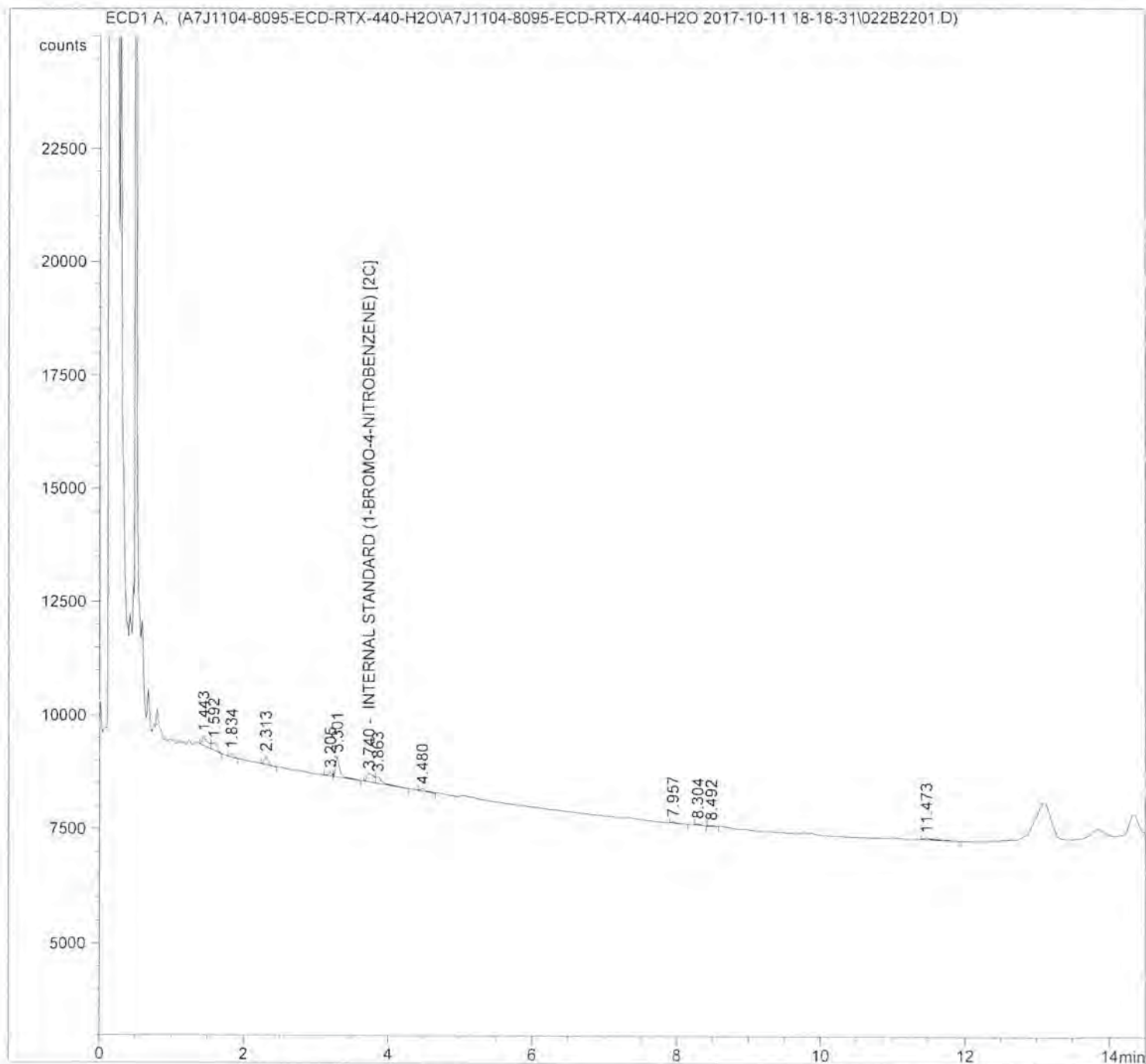
Warning : Calibration warnings (see calibration table listing)

Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

Sample Name: A7J1104-IBL8

```
=====
Acq. Operator   : RWJ                      Seq. Line :   22
Acq. Instrument : 3337G12416              Location  : Vial 22
Injection Date  : 10/12/2017 2:04:27 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```



Sample Name: A7J1104-IBL8

```

=====
Acq. Operator   : RWJ                      Seq. Line :   22
Acq. Instrument : 3337G12416              Location  : Vial 22
Injection Date  : 10/12/2017 2:04:27 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====

```

```

=====
Internal Standard Report
=====

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      10/12/2017 3:27:43 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:       :      1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#

```

```

-----|-----|-----
1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

```

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.538	1		1	-	-	-		NITROBENZENE [2C]
2.173	1		1	-	-	-		2-NITROTOLUENE [2C]
2.504	1		1	-	-	-		3-NITROTOLUENE [2C]
2.668	1		1	-	-	-		4-NITROTOLUENE [2C]
3.740	1	BV +I	1	186.81627	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.138	1		1	-	-	-		NITROGLYCERIN [2C]
4.807	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.861	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.476	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.772	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.016	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.254	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.325	1		1	-	-	-		PETN [2C]
7.846	1		1	-	-	-		RDX [2C]
8.194	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.355	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.514	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.373	1		1	-	-	-		TETRYL [2C]
12.236	1		1	-	-	-		HMX [2C]

On 10/12/17

Sample Name: A7J1104-IBL8

```
=====
Acq. Operator   : RWJ                      Seq. Line :   22
Acq. Instrument : 3337G12416              Location  : Vial 22
Injection Date  : 10/12/2017 2:04:27 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
=====
Totals without ISTD(s) :                      0.00000
=====
```

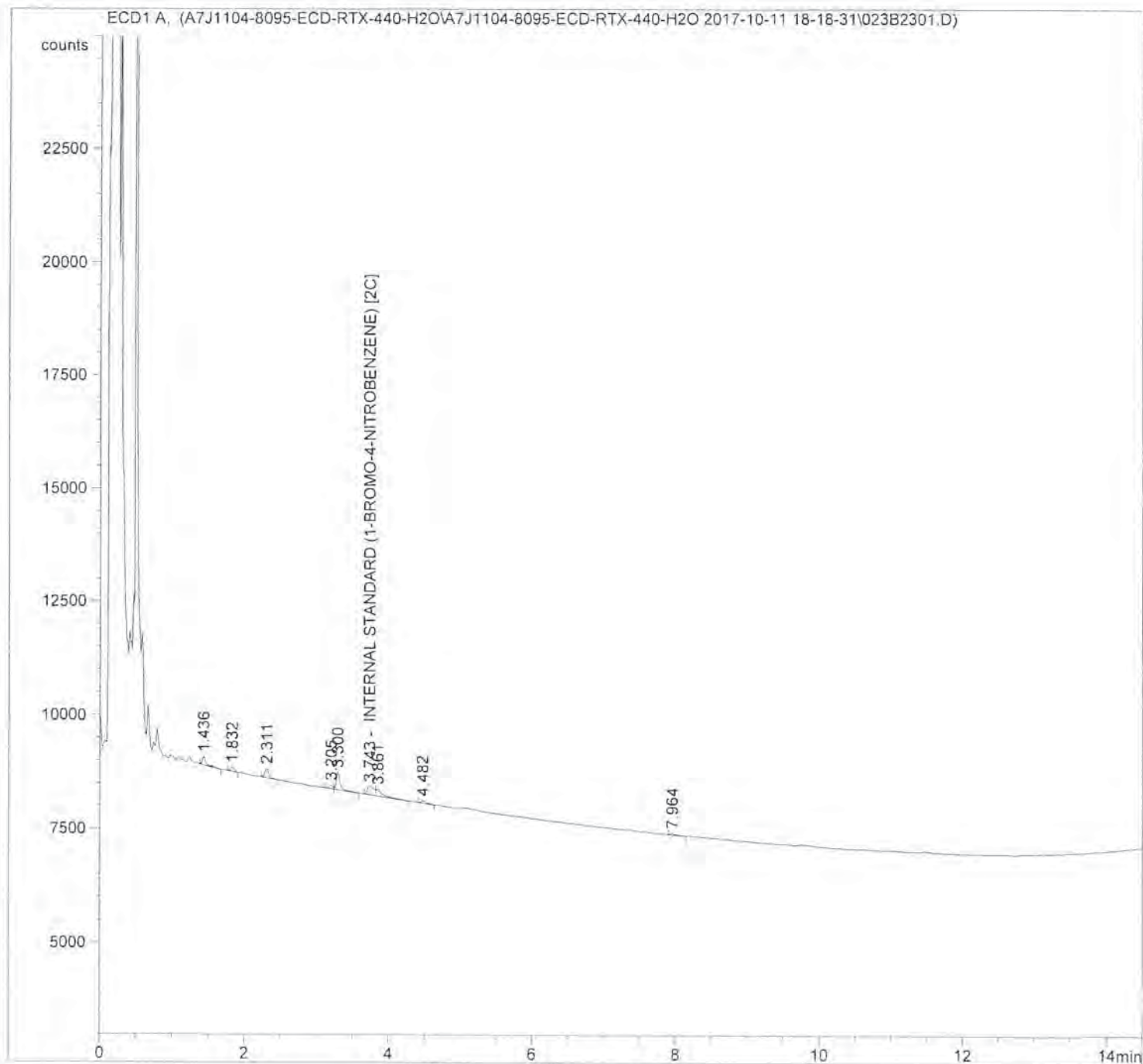
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   23
Acq. Instrument : 3337G12416              Location  : Vial 23
Injection Date  : 10/12/2017 2:26:25 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 23
Acq. Instrument	: 3337G12416	Location	: Vial 23
Injection Date	: 10/12/2017 2:26:25 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.539	1		1	-	-	-		NITROBENZENE [2C]
2.174	1		1	-	-	-		2-NITROTOLUENE [2C]
2.505	1		1	-	-	-		3-NITROTOLUENE [2C]
2.669	1		1	-	-	-		4-NITROTOLUENE [2C]
3.743	1	BV +I	1	178.52731	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.140	1		1	-	-	-		NITROGLYCERIN [2C]
4.810	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.864	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.479	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.776	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.020	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.258	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.329	1		1	-	-	-		PETN [2C]
7.850	1		1	-	-	-		RDX [2C]
8.199	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.360	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.519	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.379	1		1	-	-	-		TETRYL [2C]
12.243	1		1	-	-	-		HMX [2C]

OK 10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :   23
Acq. Instrument : 3337G12416              Location  : Vial 23
Injection Date  : 10/12/2017 2:26:25 AM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```

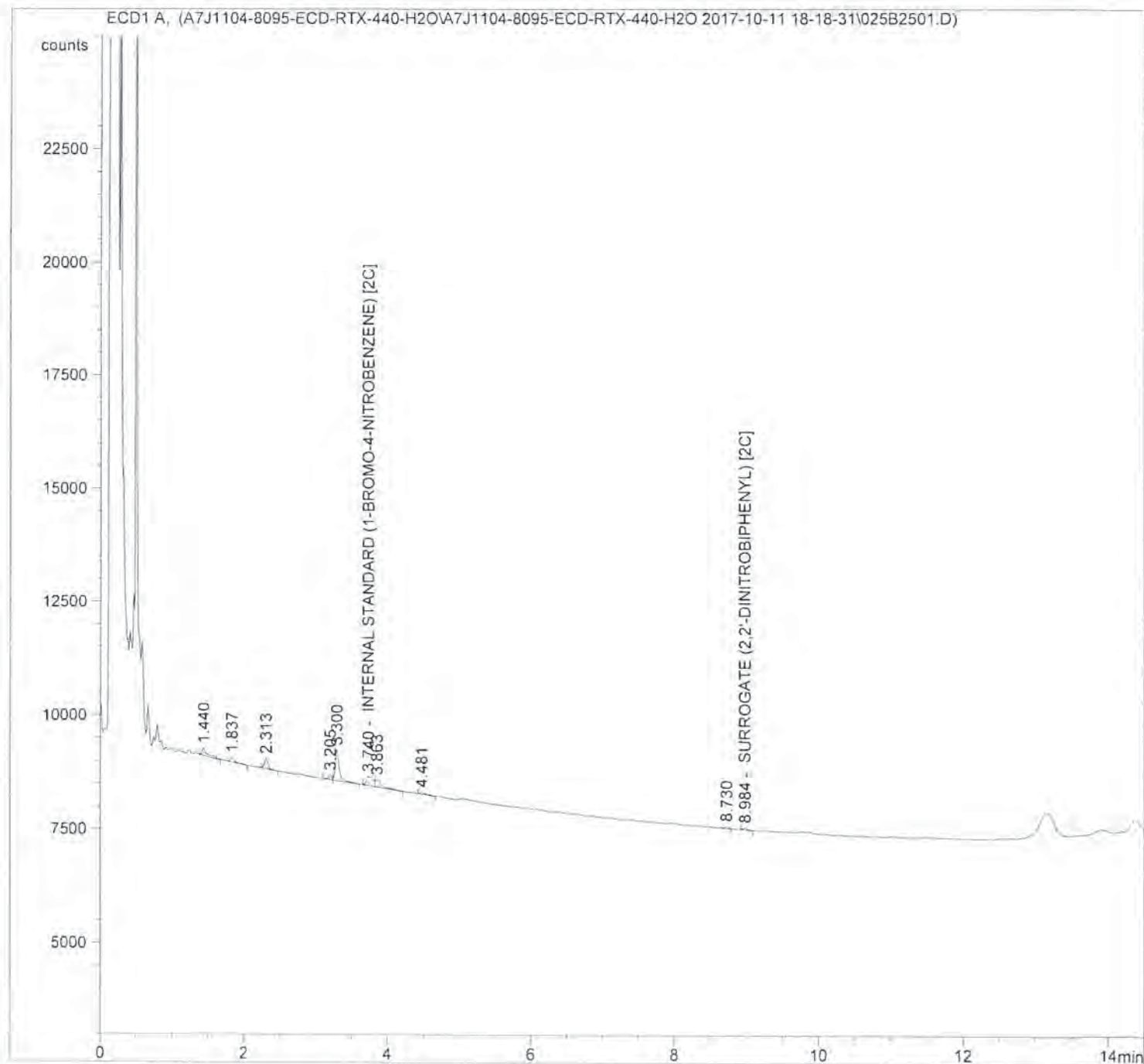
```
Totals without ISTD(s) :                      0.00000
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   25
Acq. Instrument : 3337G12416              Location  : Vial 25
Injection Date  : 10/12/2017 3:10:17 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 25
Acq. Instrument	: 3337G12416	Location	: Vial 25
Injection Date	: 10/12/2017 3:10:17 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime	Sig	Type	ISTD	Height	Amt/Height	Amount	Grp	Name
[min]			used	[counts]	ratio			
1.538	1		1	-	-	-		NITROBENZENE [2C]
2.173	1		1	-	-	-		2-NITROTOLUENE [2C]
2.503	1		1	-	-	-		3-NITROTOLUENE [2C]
2.668	1		1	-	-	-		4-NITROTOLUENE [2C]
3.740	1	BV +I	1	196.34885	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.146	1		1	-	-	-		NITROGLYCERIN [2C]
4.829	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.884	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.511	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.813	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.082	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.325	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.397	1		1	-	-	-		PETN [2C]
7.929	1		1	-	-	-		RDX [2C]
8.285	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.448	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.611	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.984	1	BB +	1	50.62549	9.43386e-1	3.04047e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.483	1		1	-	-	-		TETRYL [2C]
12.379	1		1	-	-	-		HMX [2C]

Handwritten signature

```
=====
Acq. Operator   : RWJ                      Seq. Line :   25
Acq. Instrument : 3337G12416              Location  : Vial 25
Injection Date  : 10/12/2017 3:10:17 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
                  H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

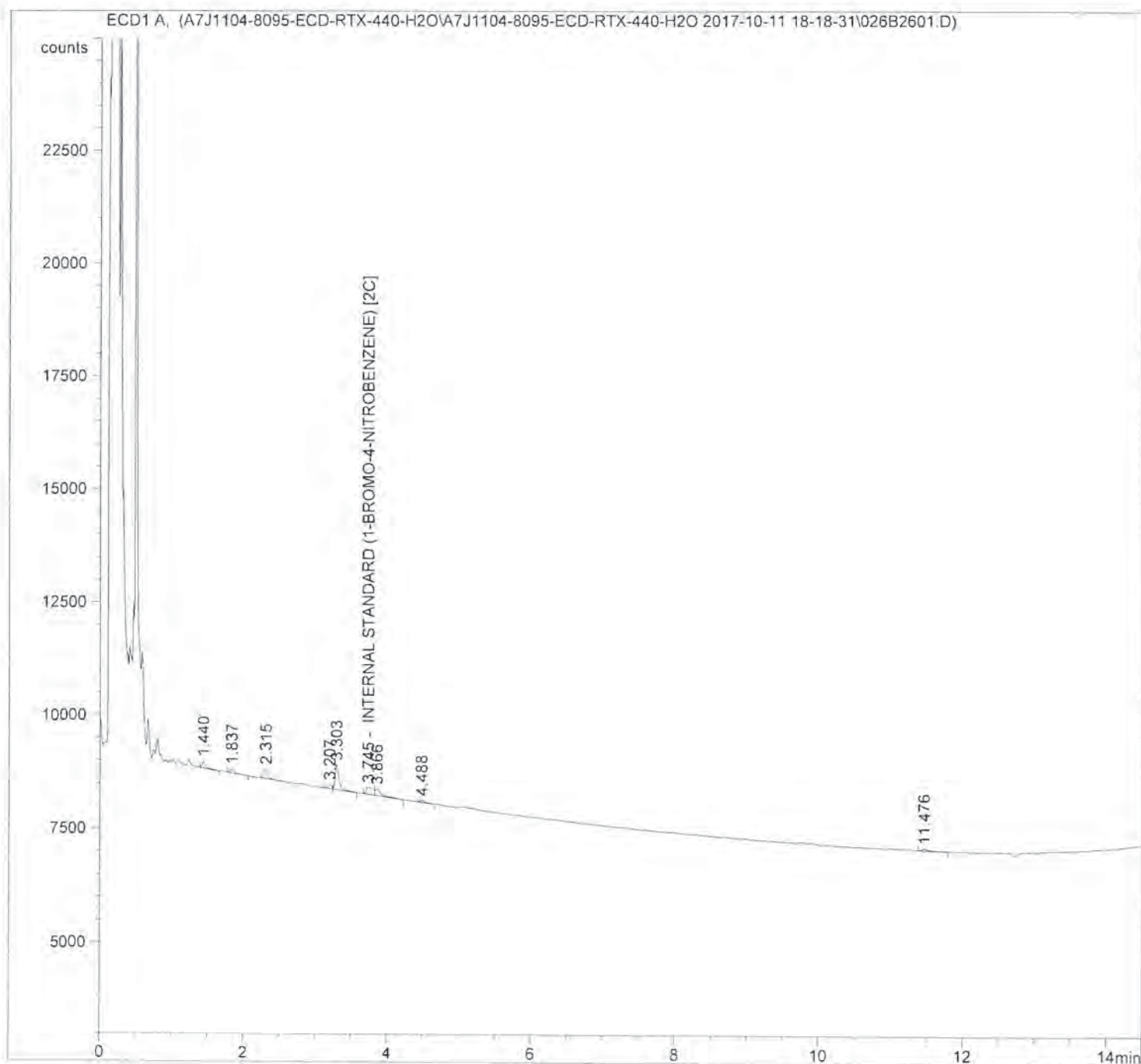
Totals without ISTD(s) : 3.04047e-2

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

```
=====
*** End of Report ***
```

```
=====
Acq. Operator   : RWJ                      Seq. Line :   26
Acq. Instrument : 3337G12416              Location  : Vial 26
Injection Date  : 10/12/2017 3:32:16 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```



=====

Acq. Operator	: RWJ	Seq. Line	: 26
Acq. Instrument	: 3337G12416	Location	: Vial 26
Injection Date	: 10/12/2017 3:32:16 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#

1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.540	1		1	-	-	-		NITROBENZENE [2C]
2.175	1		1	-	-	-		2-NITROTOLUENE [2C]
2.506	1		1	-	-	-		3-NITROTOLUENE [2C]
2.671	1		1	-	-	-		4-NITROTOLUENE [2C]
3.745	1	BV +I	1	153.00410	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.143	1		1	-	-	-		NITROGLYCERIN [2C]
4.812	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
4.867	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.482	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
5.779	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.023	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.262	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.333	1		1	-	-	-		PETN [2C]
7.854	1		1	-	-	-		RDX [2C]
8.204	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.364	1		1	-	-	-		3,5-DINITROANILINE [2C]
8.524	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.384	1		1	-	-	-		TETRYL [2C]
12.250	1		1	-	-	-		HMX [2C]

Handwritten signature

```
=====
Acq. Operator   : RWJ                      Seq. Line :   26
Acq. Instrument : 3337G12416              Location  : Vial 26
Injection Date  : 10/12/2017 3:32:16 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                 FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                 INJECTION 2 UL.
=====
```

```
Totals without ISTD(s) :                      0.00000
```

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

```
=====
*** End of Report ***
=====
```

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Instrument ID: 3336A52146
 Lab File ID: 011F1101.D.Report.TXT
 Sequence: A7J1104
 Lab Sample ID: A7J1104-CCV1

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171009
 Calibration Date: 10/11/17 18:45
 Injection Date: 10/11/17
 Injection Time: 21:38

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0373	53.15554	43.9277		-6.8	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0426	21.88196	21.8655		6.4	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0374	46.34301	38.25366		-6.6	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0421	19.68564	19.08647		5.3	20
3,5-Dinitroaniline	PR	0.04000	0.0364	51.15381	40.31956		-8.9	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0432	16.48872	17.25691		8.0	20
1,3-Dinitrobenzene	PR	0.04000	0.0408	15.79307	14.9501		2.1	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0387	10.50004	9.633297		-3.4	20
2,6-Dinitrotoluene	PR	0.04000	0.0388	62.98677	55.0924		-3.0	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0414	32.13951	29.88293		3.5	20
2,4-Dinitrotoluene	PR	0.04000	0.0392	36.13025	31.6139		-1.9	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0425	16.42243	16.01938		6.2	20
HMX	PR	0.04000	0.0371	9.114399	8.499266		-7.2	20
HMX [2C]	PR	0.04000	0.0410	4.584755	4.681116		2.4	20
Nitrobenzene	PR	0.04000	0.0414	7.619759	7.332621		3.6	20
Nitrobenzene [2C]	PR	0.04000	0.0413	6.321318	6.029171		3.3	20
Nitroglycerin	PR	0.04000	0.0401	38.00316	35.83112		0.3	20
Nitroglycerin [2C]	PR	0.04000	0.0425	28.2394	28.98825		6.2	20
2-Nitrotoluene	PR	0.04000	0.0419	2.451906	2.469237		4.7	20
2-Nitrotoluene [2C]	PR	0.04000	0.0411	4.062226	3.901808		2.7	20
3-Nitrotoluene	PR	0.04000	0.0417	4.353494	4.299966		4.3	20
3-Nitrotoluene [2C]	PR	0.04000	0.0421	4.463559	4.379772		5.2	20
4-Nitrotoluene	PR	0.04000	0.0425	3.076629	3.21602		6.4	20
4-Nitrotoluene [2C]	PR	0.04000	0.0422	4.551127	4.548344		5.6	20
PETN	PR	0.04000	0.0392	20.19841	18.11114		-1.9	20
PETN [2C]	PR	0.04000	0.0426	16.91448	16.89012		6.5	20
RDX	PR	0.04000	0.0392	54.40615	52.69518		-2.1	20
RDX [2C]	PR	0.04000	0.0425	30.70513	31.99277		6.2	20
Tetryl	PR	0.04000	0.0396	12.7425	15.65006		-0.9	20
Tetryl [2C]	PR	0.04000	0.0417	5.576814	7.140557		4.2	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0397	26.50411	24.12176		-0.8	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Instrument ID: 3336A52146
 Lab File ID: 011B1101.D.Report.TXT
 Sequence: A7J1104
 Lab Sample ID: A7J1104-CCV1

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171009
 Calibration Date: 10/11/17 18:45
 Injection Date: 10/11/17
 Injection Time: 21:38

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0423	12.9801	12.76118		5.8	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0403	53.35518	49.4146		0.9	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0431	26.36658	26.26333		7.9	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0411	45.6182	44.17824		2.7	20
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0429	22.98105	23.32239		7.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

=====

Acq. Operator	: RWJ	Seq. Line	: 11
Acq. Instrument	: 3336A52146	Location	: Vial 11
Injection Date	: 10/11/2017 9:38:39 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

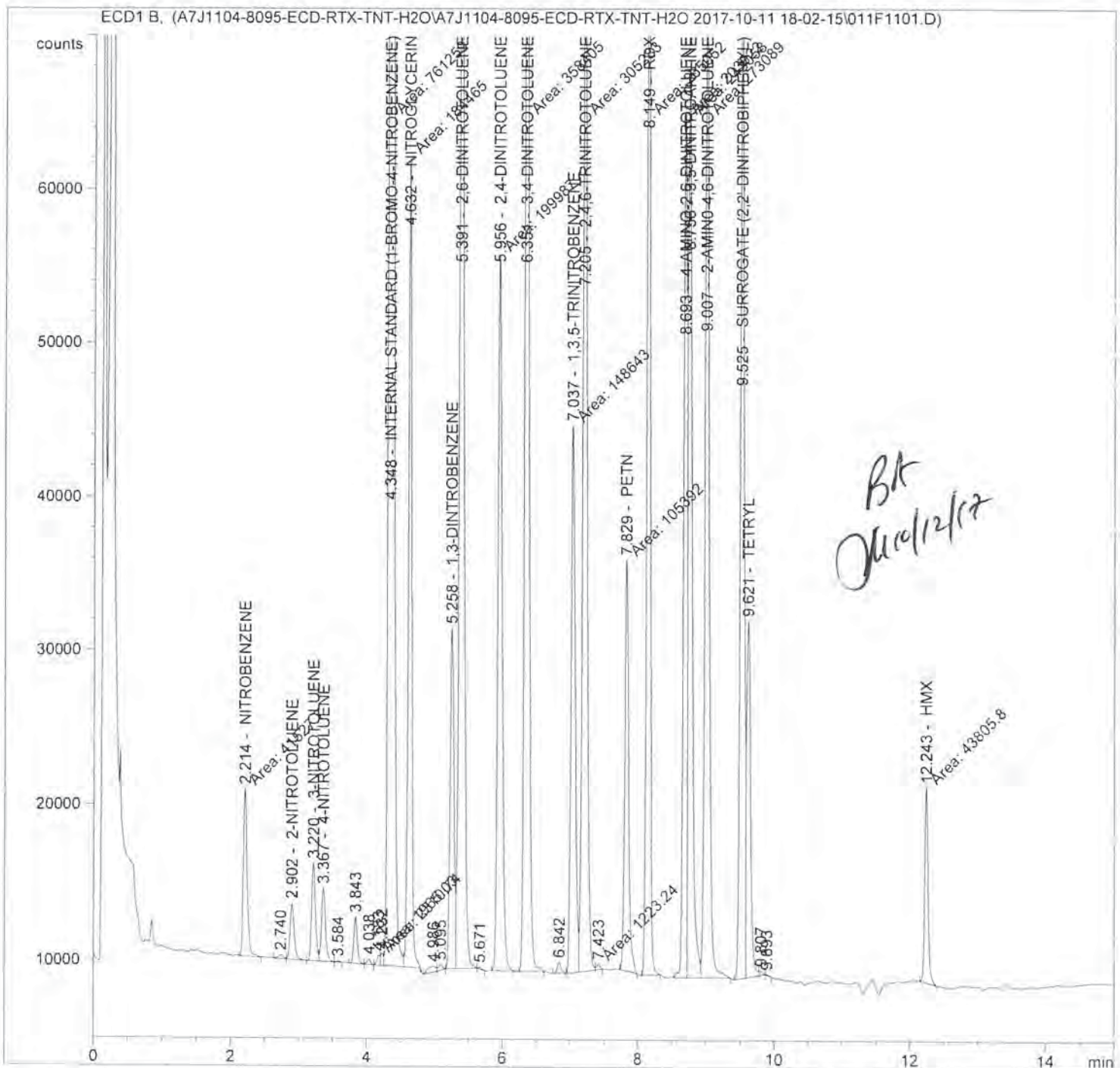
Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====



Sample Name: A7J1104-CCV1

```

=====
Acq. Operator   : RWJ                      Seq. Line :   11
Acq. Instrument : 3336A52146                Location  : Vial 11
Injection Date  : 10/11/2017 9:38:39 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====

```

```

=====
Internal Standard Report
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```

```

Sorted By           :      Retention Time
Calib. Data Modified :      Thursday, October 12, 2017 10:12:05 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:       :      1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#

```

```

1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.214	1	MF	1	1.07471e4	5.65103	4.14367e-2		NITROBENZENE
2.902	1	VB	1	3619.05249	16.96135	4.18815e-2		2-NITROTOLUENE
3.220	1	BV	1	6302.27051	9.70275	4.17214e-2		3-NITROTOLUENE
3.367	1	VV	1	4713.57910	13.22953	4.25463e-2		4-NITROTOLUENE
4.348	1	FM +I	1	1.83207e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.632	1	FM	1	5.25161e4	1.11931	4.01062e-2		NITROGLYCERIN
5.258	1	BV	1	2.19117e4	2.73181	4.08407e-2		1,3-DINITROBENZENE
5.391	1	VB	1	8.07465e4	7.03991e-1	3.87844e-2		2,6-DINITROTOLUENE
5.956	1	MM	1	4.63351e4	1.24150	3.92487e-2		2,4-DINITROTOLUENE
6.351	1	MM	1	8.58456e4	6.62955e-1	3.88302e-2		3,4-DINITROTOLUENE
7.037	1	MF	1	3.53542e4	1.64430	3.96633e-2		1,3,5-TRINITROBENZENE
7.205	1	MF	1	7.24248e4	8.16437e-1	4.03438e-2		2,4,6-TRINITROTOLUENE
7.829	1	MM	1	2.65447e4	2.16678	3.92428e-2		PETN
8.149	1	MM	1	7.72330e4	7.43407e-1	3.91739e-2		RDX
8.693	1	MF	1	5.60667e4	9.76777e-1	3.73652e-2		4-AMINO-2,6-DINITROTOLUENE
8.756	1	FM	1	5.90946e4	9.03970e-1	3.64476e-2		3,5-DINITROANILINE
9.007	1	FM	1	6.43829e4	8.48722e-1	3.72823e-2		2-AMINO-4,6-DINITROTOLUENE
9.525	1	BV +	1	6.47501e4	9.30194e-1	4.10942e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.621	1	VV	1	2.29376e4	2.53220	3.96289e-2		TETRYL
12.243	1	MM	1	1.24570e4	4.36601	3.71077e-2		HMX

Totals without ISTD(s) : 7.52746e-1

```
=====
Acq. Operator   : RWJ                      Seq. Line : 11
Acq. Instrument : 3336A52146              Location  : Vial 11
Injection Date  : 10/11/2017 9:38:39 PM    Inj       : 1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

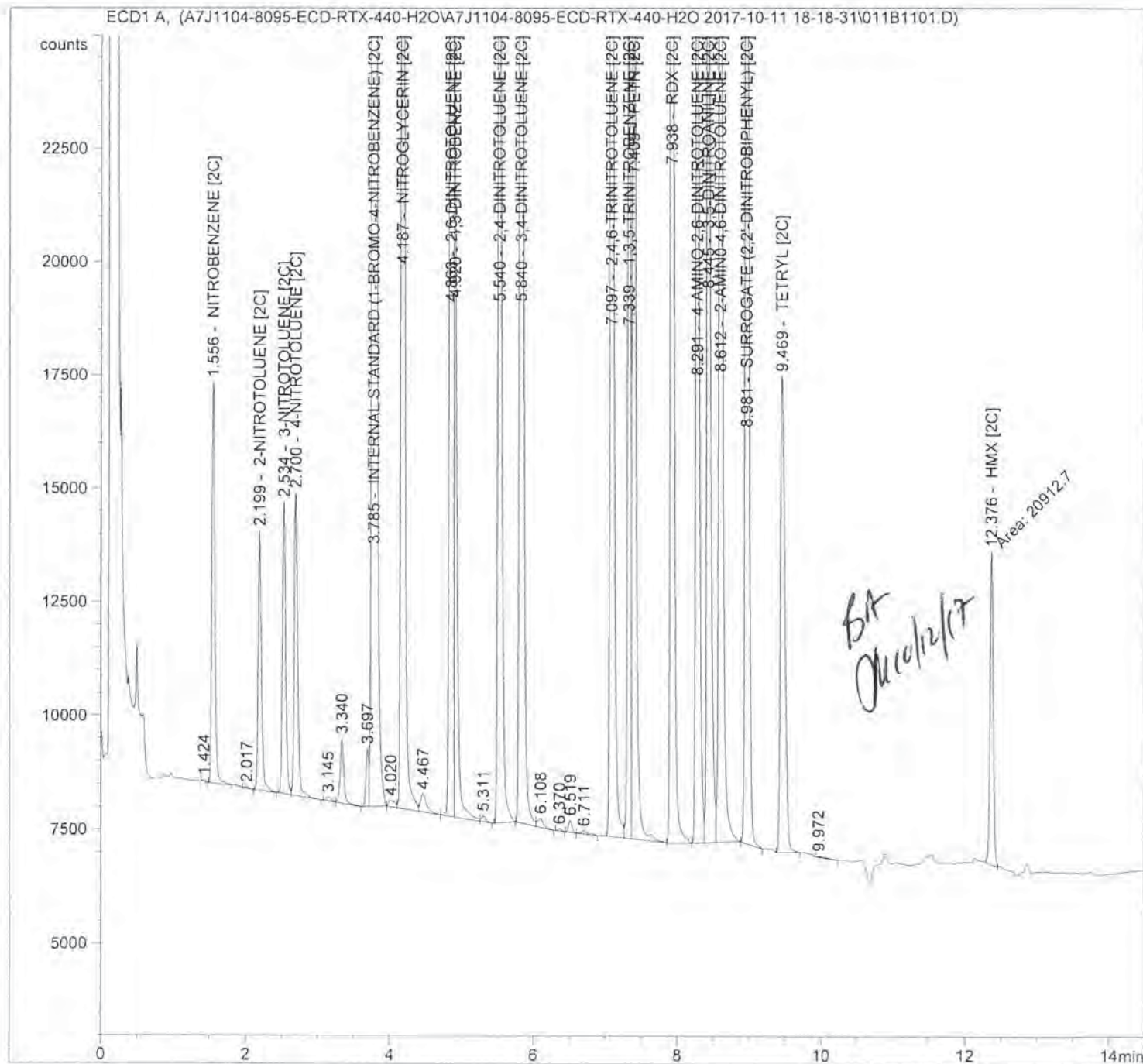
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 11
Acq. Instrument	: 3337G12416	Location	: Vial 11
Injection Date	: 10/11/2017 10:02:07 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:13:58 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 11
Acq. Instrument	: 3337G12416	Location	: Vial 11
Injection Date	: 10/11/2017 10:02:07 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:13:58 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

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Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:13:59 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD #	ISTD Amount	Name
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1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
---	------------	---

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.556	1	BB	1	8836.69043	3.53958	4.13314e-2		NITROBENZENE [2C]
2.199	1	BB	1	5718.70898	5.43814	4.10948e-2		2-NITROTOLUENE [2C]
2.534	1	BV	1	6419.23877	4.96097	4.20813e-2		3-NITROTOLUENE [2C]
2.700	1	VB	1	6666.30811	4.79543	4.22427e-2		4-NITROTOLUENE [2C]
3.785	1	VB +I	1	9.45957e4	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.187	1	VV	1	4.24868e4	7.56856e-1	4.24919e-2		NITROGLYCERIN [2C]
4.863	1	BV	1	4.37981e4	7.15102e-1	4.13868e-2		2,6-DINITROTOLUENE [2C]
4.920	1	VV B	1	1.41191e4	2.07195	3.86567e-2		1,3-DINITROBENZENE [2C]
5.540	1	BB	1	2.34789e4	1.36897	4.24727e-2		2,4-DINITROTOLUENE [2C]
5.840	1	BV	1	4.40949e4	7.17994e-1	4.18357e-2		3,4-DINITROTOLUENE [2C]
7.097	1	BV	1	3.84930e4	8.48303e-1	4.31491e-2		2,4,6-TRINITROTOLUENE [2C]
7.339	1	VV	1	1.87035e4	1.71206	4.23136e-2		1,3,5-TRINITROBENZENE [2C]
7.409	1	VB	1	2.47551e4	1.30278	4.26163e-2		PETN [2C]
7.938	1	BB	1	4.68904e4	6.85567e-1	4.24788e-2		RDX [2C]
8.291	1	BV	1	2.79742e4	1.13953	4.21231e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.445	1	VV	1	2.52927e4	1.29310	4.32179e-2		3,5-DINITROANILINE [2C]
8.612	1	VB	1	3.20473e4	1.00509	4.25634e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.981	1	BB +	1	3.41826e4	9.49964e-1	4.29093e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.469	1	BB	1	1.04656e4	3.01474	4.16920e-2		TETRYL [2C]
12.376	1	MM	1	6860.90576	4.52009	4.09795e-2		HMX [2C]

OK
10/12/17

=====

Acq. Operator	: RWJ	Seq. Line	: 11
Acq. Instrument	: 3337G12416	Location	: Vial 11
Injection Date	: 10/11/2017 10:02:07 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:13:58 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Totals without ISTD(s) : 7.97637e-1

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Instrument ID: 3336A52146
 Lab File ID: 020F2001.D.Report.TXT
 Sequence: A7J1104
 Lab Sample ID: A7J1104-CCV2

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171009
 Calibration Date: 10/11/17 18:45
 Injection Date: 10/12/17
 Injection Time: 00:52

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0365	53.15554	43.09905		-8.8	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0433	21.88196	26.64468		8.3	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0365	46.34301	37.52382		-8.7	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0420	19.68564	22.82412		5.1	20
3,5-Dinitroaniline	PR	0.04000	0.0359	51.15381	39.85452		-10.1	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0443	16.48872	21.20838		10.8	20
1,3-Dinitrobenzene	PR	0.04000	0.0409	15.79307	14.97115		2.3	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0408	10.50004	12.15842		1.9	20
2,6-Dinitrotoluene	PR	0.04000	0.0391	62.98677	55.51502		-2.2	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0416	32.13951	36.00934		4.1	20
2,4-Dinitrotoluene	PR	0.04000	0.0397	36.13025	31.93608		-0.7	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0426	16.42243	19.25884		6.6	20
HMX	PR	0.04000	0.0377	9.114399	8.627074		-5.8	20
HMX [2C]	PR	0.04000	0.0411	4.584755	5.63144		2.8	20
Nitrobenzene	PR	0.04000	0.0411	7.619759	7.279924		2.8	20
Nitrobenzene [2C]	PR	0.04000	0.0411	6.321318	7.191635		2.8	20
Nitroglycerin	PR	0.04000	0.0377	38.00316	33.82355		-5.8	20
Nitroglycerin [2C]	PR	0.04000	0.0395	28.2394	32.25843		-1.3	20
2-Nitrotoluene	PR	0.04000	0.0417	2.451906	2.458999		4.2	20
2-Nitrotoluene [2C]	PR	0.04000	0.0412	4.062226	4.684313		3.0	20
3-Nitrotoluene	PR	0.04000	0.0419	4.353494	4.313469		4.7	20
3-Nitrotoluene [2C]	PR	0.04000	0.0425	4.463559	5.293796		6.2	20
4-Nitrotoluene	PR	0.04000	0.0427	3.076629	3.230827		6.9	20
4-Nitrotoluene [2C]	PR	0.04000	0.0430	4.551127	5.54945		7.6	20
PETN	PR	0.04000	0.0360	20.19841	16.77798		-9.9	20
PETN [2C]	PR	0.04000	0.0389	16.91448	18.51986		-2.8	20
RDX	PR	0.04000	0.0376	54.40615	50.60857		-6.0	20
RDX [2C]	PR	0.04000	0.0419	30.70513	37.77525		4.7	20
Tetryl	PR	0.04000	0.0402	12.7425	15.93015		0.5	20
Tetryl [2C]	PR	0.04000	0.0427	5.576814	8.856612		6.9	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0390	26.50411	23.741		-2.6	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Instrument ID: 3336A52146
 Lab File ID: 020B2001.D.Report.TXT
 Sequence: A7J1104
 Lab Sample ID: A7J1104-CCV2

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171009
 Calibration Date: 10/11/17 18:45
 Injection Date: 10/12/17
 Injection Time: 00:52

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0445	12.9801	16.05743		11.3	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0401	53.35518	49.09775		0.1	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0430	26.36658	31.38626		7.6	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0405	45.6182	43.6319		1.4	20
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0435	22.98105	28.28977		8.6	20

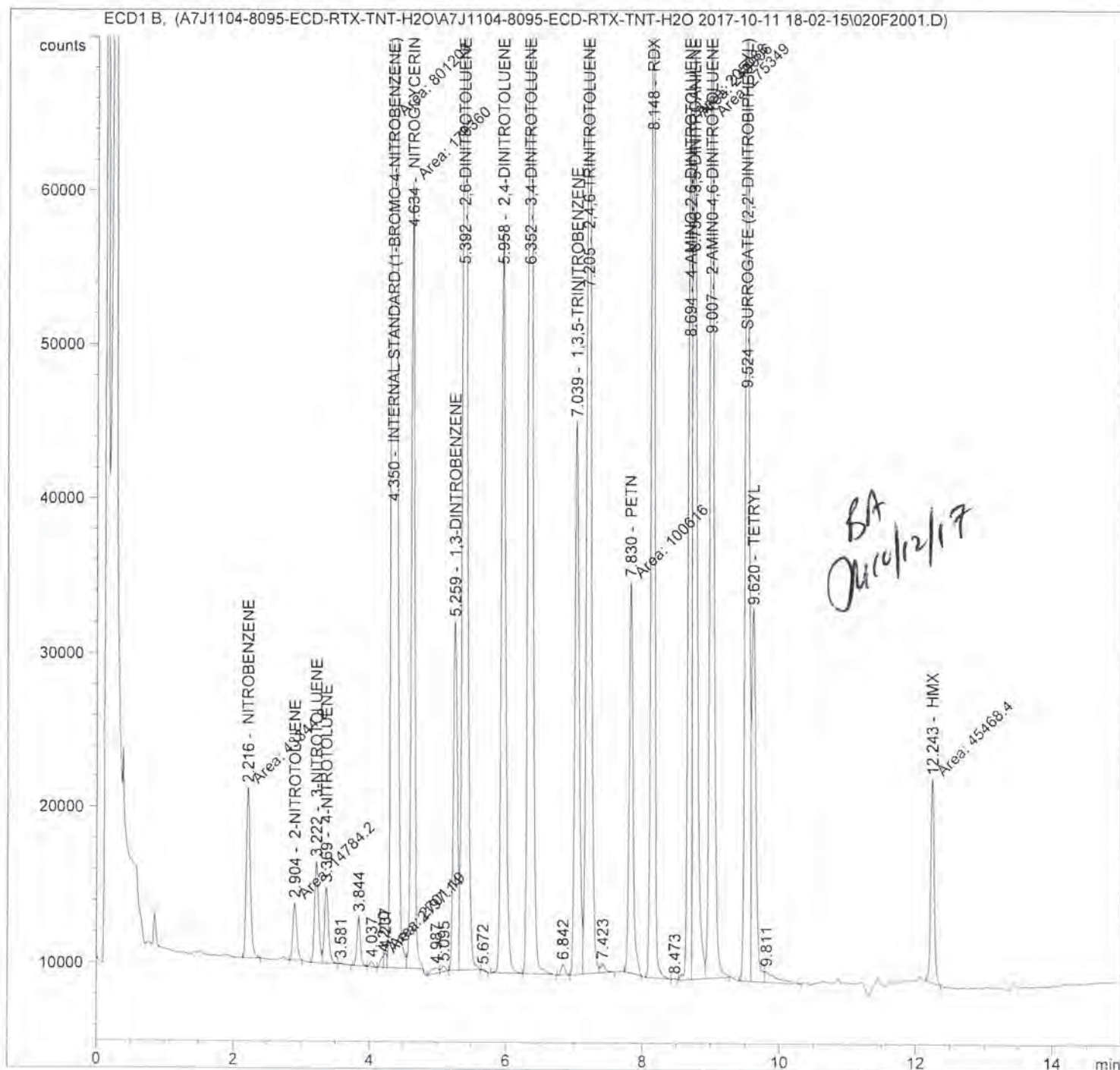
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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Acq. Operator	: RWJ	Seq. Line	: 20
Acq. Instrument	: 3336A52146	Location	: Vial 20
Injection Date	: 10/12/2017 12:52:09 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPITTER LINER USING A GOLD SEAL.		

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Sample Name: A7J1104-CCV2

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=====
Acq. Operator   : RWJ                      Seq. Line :   20
Acq. Instrument : 3336A52146              Location  : Vial 20
Injection Date  : 10/12/2017 12:52:09 AM Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
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Internal Standard Report
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Sorted By           :      Retention Time
Calib. Data Modified :      Thursday, October 12, 2017 10:12:05 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Sample Amount:       :      1.00000  []  (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#

```

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1  1.25000e-1  INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.216	1	MM	1	1.09419e4	5.64737	4.11125e-2		NITROBENZENE
2.904	1	MM	1	3695.93530	16.95793	4.16995e-2		2-NITROTOLUENE
3.222	1	BV	1	6483.24756	9.70480	4.18613e-2		3-NITROTOLUENE
3.369	1	VB	1	4856.01074	13.23073	4.27461e-2		4-NITROTOLUENE
4.350	1	FM +I	1	1.87878e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1	FM	1	5.08376e4	1.11425	3.76879e-2		NITROGLYCERIN
5.259	1	BV	1	2.25020e4	2.73216	4.09035e-2		1,3-DINITROBENZENE
5.392	1	VB	1	8.34404e4	7.04692e-1	3.91210e-2		2,6-DINITROTOLUENE
5.958	1	BB	1	4.80007e4	1.24329	3.97058e-2		2,4-DINITROTOLUENE
6.352	1	BB	1	8.85288e4	6.63376e-1	3.90731e-2		3,4-DINITROTOLUENE
7.039	1	BV	1	3.56833e4	1.64149	3.89706e-2		1,3,5-TRINITROBENZENE
7.205	1	VV	1	7.37951e4	8.15889e-1	4.00583e-2		2,4,6-TRINITROTOLUENE
7.830	1	MM	1	2.52177e4	2.14801	3.60392e-2		PETN
8.148	1	BB	1	7.60659e4	7.42982e-1	3.76012e-2		RDX
8.694	1	MF	1	5.63992e4	9.73774e-1	3.65397e-2		4-AMINO-2,6-DINITROTOLUENE
8.756	1	FM	1	5.99023e4	9.02011e-1	3.59492e-2		3,5-DINITROANILINE
9.007	1	FM	1	6.47789e4	8.46197e-1	3.64702e-2		2-AMINO-4,6-DINITROTOLUENE
9.524	1	BV +	1	6.55798e4	9.29348e-1	4.05492e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.620	1	VV	1	2.39434e4	2.52231	4.01807e-2		TETRYL
12.243	1	MM	1	1.29667e4	4.36541	3.76608e-2		HMX

Totals without ISTD(s) : 7.43930e-1

OK
10/12/17

=====

Acq. Operator	: RWJ	Seq. Line	: 20
Acq. Instrument	: 3336A52146	Location	: Vial 20
Injection Date	: 10/12/2017 12:52:09 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.		

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1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

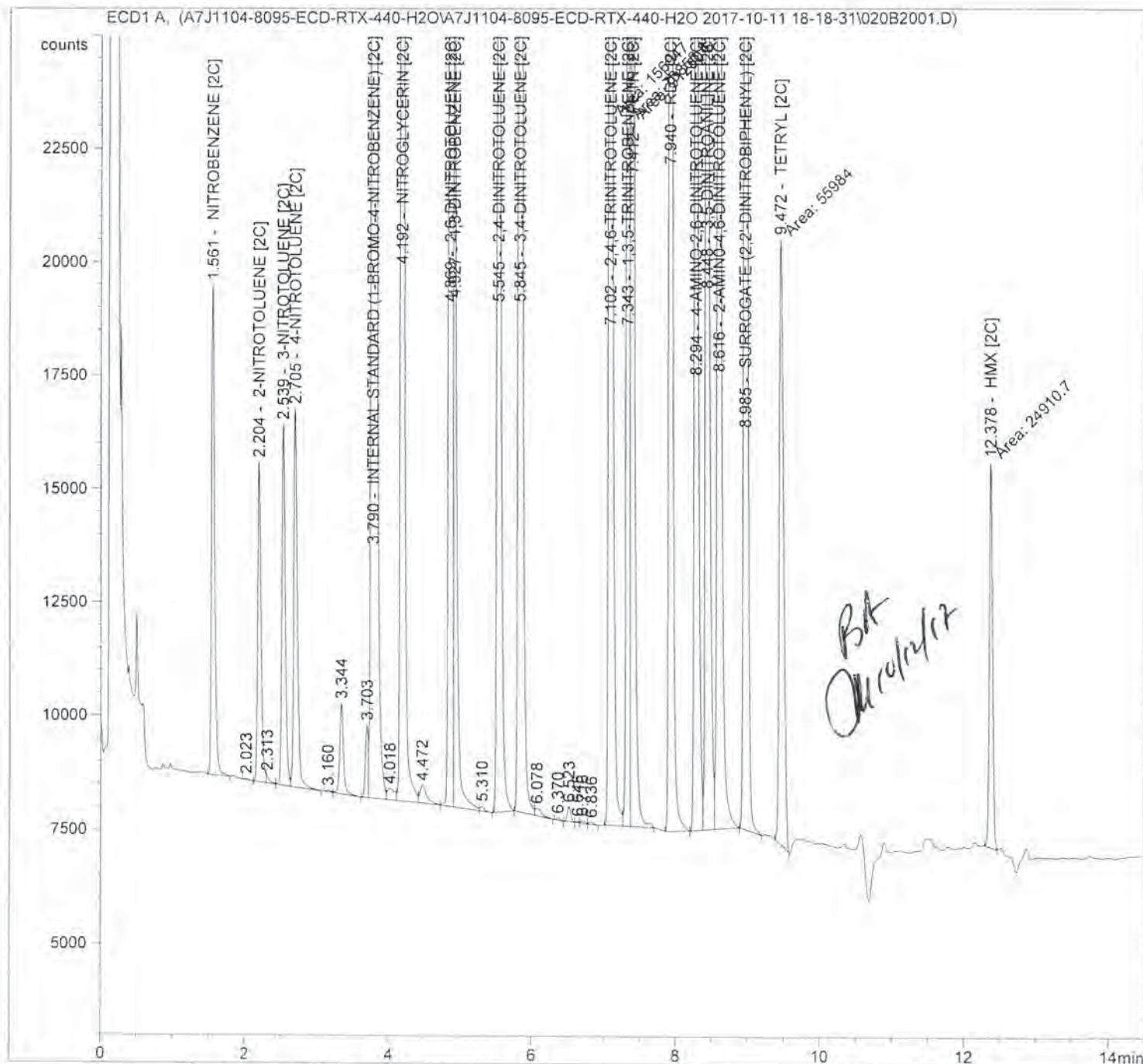
=====

*** End of Report ***

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Acq. Operator	: RWJ	Seq. Line	: 20
Acq. Instrument	: 3337G12416	Location	: Vial 20
Injection Date	: 10/12/2017 1:20:20 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:27:41 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOPLITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

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Acq. Operator	: RWJ	Seq. Line	: 20
Acq. Instrument	: 3337G12416	Location	: Vial 20
Injection Date	: 10/12/2017 1:20:20 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

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Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:27:43 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.561	1	BB	1	1.08092e4	3.53875	4.11387e-2		NITROBENZENE [2C]
2.204	1	BV	1	7040.63525	5.43856	4.11814e-2		2-NITROTOLUENE [2C]
2.539	1	VV	1	7956.70215	4.96265	4.24671e-2		3-NITROTOLUENE [2C]
2.705	1	VB	1	8340.95605	4.79692	4.30313e-2		4-NITROTOLUENE [2C]
3.790	1	VV +I	1	1.16226e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.192	1	VV	1	4.84852e4	7.57444e-1	3.94971e-2		NITROGLYCERIN [2C]
4.869	1	BV	1	5.41229e4	7.15452e-1	4.16454e-2		2,6-DINITROTOLUENE [2C]
4.927	1	VV B	1	1.82744e4	2.07379	4.07580e-2		1,3-DINITROBENZENE [2C]
5.545	1	BB	1	2.89465e4	1.36922	4.26260e-2		2,4-DINITROTOLUENE [2C]
5.845	1	BV	1	5.41615e4	7.17979e-1	4.18223e-2		3,4-DINITROTOLUENE [2C]
7.102	1	MF	1	4.71743e4	8.48192e-1	4.30334e-2		2,4,6-TRINITROTOLUENE [2C]
7.343	1	MF	1	2.41347e4	1.71531	4.45236e-2		1,3,5-TRINITROBENZENE [2C]
7.412	1	FM	1	2.78358e4	1.29899	3.88880e-2		PETN [2C]
7.940	1	BB	1	5.67771e4	6.85854e-1	4.18803e-2		RDX [2C]
8.294	1	BV	1	3.43052e4	1.13941	4.20382e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.448	1	VV	1	3.18767e4	1.29225	4.43021e-2		3,5-DINITROANILINE [2C]
8.616	1	VB	1	4.00476e4	1.00553	4.33088e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.985	1	BB +	1	4.25202e4	9.50205e-1	4.34528e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.472	1	MM	1	1.33117e4	2.98602	4.27497e-2		TETRYL [2C]
12.378	1	MM	1	8464.19043	4.51569	4.11069e-2		HMX [2C]

Sample Name: A7J1104-CCV2

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=====
Acq. Operator   : RWJ                      Seq. Line :   20
Acq. Instrument : 3337G12416              Location  : Vial 20
Injection Date  : 10/12/2017 1:20:20 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
=====
Totals without ISTD(s) :                      7.99451e-1
=====
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
=====
```

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison

Client: Kennedy Jenks Consultants

Instrument ID: 3336A52146

Lab File ID: 027F2701.D.Report.TXT

Sequence: A7J1104

Lab Sample ID: A7J1104-CCV3

SDG: A174105

Project: Ashland Kenvil - Kenvil, NJ

Calibration: A171009

Calibration Date: 10/11/17 18:45

Injection Date: 10/12/17

Injection Time: 03:22

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0376	53.15554	44.29072		-5.9	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0424	21.88196	21.10717		5.9	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0374	46.34301	38.26247		-6.6	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0416	19.68564	18.27587		3.9	20
3,5-Dinitroaniline	PR	0.04000	0.0378	51.15381	41.61662		-5.4	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0443	16.48872	17.18209		10.9	20
1,3-Dinitrobenzene	PR	0.04000	0.0395	15.79307	14.50934		-1.2	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0408	10.50004	9.845633		1.9	20
2,6-Dinitrotoluene	PR	0.04000	0.0379	62.98677	54.03441		-5.1	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0415	32.13951	29.06345		3.8	20
2,4-Dinitrotoluene	PR	0.04000	0.0379	36.13025	30.68086		-5.2	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0428	16.42243	15.64332		7.0	20
HMX	PR	0.04000	0.0394	9.114399	9.032301		-1.5	20
HMX [2C]	PR	0.04000	0.0382	4.584755	4.135085		-4.6	20
Nitrobenzene	PR	0.04000	0.0414	7.619759	7.332451		3.6	20
Nitrobenzene [2C]	PR	0.04000	0.0409	6.321318	5.781904		2.1	20
Nitroglycerin	PR	0.04000	0.0386	38.00316	34.60471		-3.4	20
Nitroglycerin [2C]	PR	0.04000	0.0399	28.2394	26.35924		-0.3	20
2-Nitrotoluene	PR	0.04000	0.0421	2.451906	2.480853		5.2	20
2-Nitrotoluene [2C]	PR	0.04000	0.0407	4.062226	3.747738		1.7	20
3-Nitrotoluene	PR	0.04000	0.0421	4.353494	4.333742		5.2	20
3-Nitrotoluene [2C]	PR	0.04000	0.0422	4.463559	4.259955		5.5	20
4-Nitrotoluene	PR	0.04000	0.0434	3.076629	3.276223		8.4	20
4-Nitrotoluene [2C]	PR	0.04000	0.0424	4.551127	4.423078		5.9	20
PETN	PR	0.04000	0.0371	20.19841	17.22539		-7.2	20
PETN [2C]	PR	0.04000	0.0396	16.91448	15.25315		-1.0	20
RDX	PR	0.04000	0.0382	54.40615	51.46281		-4.4	20
RDX [2C]	PR	0.04000	0.0416	30.70513	30.36348		4.0	20
Tetryl	PR	0.04000	0.0409	12.7425	16.27431		2.1	20
Tetryl [2C]	PR	0.04000	0.0415	5.576814	6.878507		3.7	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0383	26.50411	23.39262		-4.2	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Instrument ID: 3336A52146
 Lab File ID: 027B2701.D.Report.TXT
 Sequence: A7J1104
 Lab Sample ID: A7J1104-CCV3

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171009
 Calibration Date: 10/11/17 18:45
 Injection Date: 10/12/17
 Injection Time: 03:22

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0447	12.9801	13.03406		11.6	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0387	53.35518	47.5675		-3.3	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0433	26.36658	25.57844		8.4	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0405	45.6182	43.59337		1.3	20
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0429	22.98105	22.62462		7.3	20

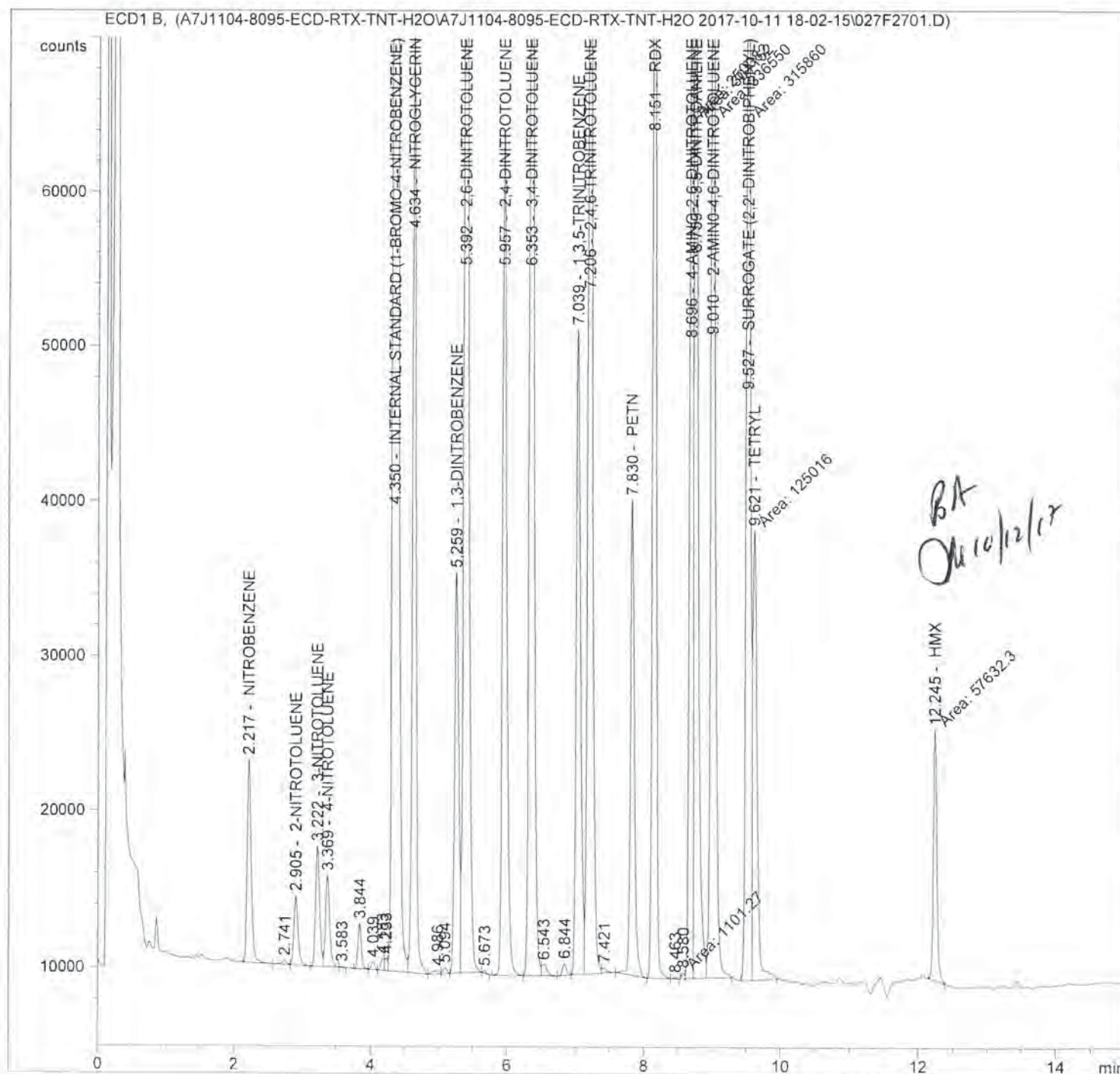
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

=====

Acq. Operator	: RWJ	Seq. Line	: 27
Acq. Instrument	: 3336A52146	Location	: Vial 27
Injection Date	: 10/12/2017 3:22:33 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M		
Last changed	: 9/7/2017 12:50:49 PM by RWJ		
Analysis Method	: C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 10/12/2017 10:12:27 AM by RWJ		
Method Info	: Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).		
	INJECTION 2 UL INTO A 4 MM CYCLOSPITTER LINER USING A GOLD SEAL.		

=====



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Acq. Operator	: RWJ	Seq. Line	: 27
Acq. Instrument	: 3336A52146	Location	: Vial 27
Injection Date	: 10/12/2017 3:22:33 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

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Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
#		

1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.217	1	BV	1	1.30046e4	5.65102	4.14357e-2		NITROBENZENE
2.905	1	VB	1	4399.96240	16.96521	4.20882e-2		2-NITROTOLUENE
3.222	1	BV	1	7686.18604	9.70786	4.20714e-2		3-NITROTOLUENE
3.369	1	VB	1	5810.60498	13.23435	4.33587e-2		4-NITROTOLUENE
4.350	1	VV +I	1	2.21696e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1	VB	1	6.13738e4	1.11626	3.86277e-2		NITROGLYCERIN
5.259	1	BV	1	2.57333e4	2.72433	3.95282e-2		1,3-DINITROBENZENE
5.392	1	VB	1	9.58337e4	7.02214e-1	3.79437e-2		2,6-DINITROTOLUENE
5.957	1	BB	1	5.44146e4	1.23623	3.79286e-2		2,4-DINITROTOLUENE
6.353	1	BV	1	1.01866e5	6.61488e-1	3.79931e-2		3,4-DINITROTOLUENE
7.039	1	BV	1	4.14884e4	1.63889	3.83379e-2		1,3,5-TRINITROBENZENE
7.206	1	VV	1	8.43642e4	8.13193e-1	3.86815e-2		2,4,6-TRINITROTOLUENE
7.830	1	BB	1	3.05504e4	2.15445	3.71113e-2		PETN
8.151	1	BB	1	9.12728e4	7.43158e-1	3.82450e-2		RDX
8.696	1	MF	1	6.78611e4	9.76813e-1	3.73753e-2		4-AMINO-2,6-DINITROTOLUENE
8.759	1	FM	1	7.38099e4	9.09339e-1	3.78436e-2		3,5-DINITROANILINE
9.010	1	FM	1	7.85526e4	8.49816e-1	3.76390e-2		2-AMINO-4,6-DINITROTOLUENE
9.527	1	MF +	1	7.73158e4	9.29288e-1	4.05108e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.621	1	FM	1	2.88636e4	2.51044	4.08557e-2		TETRYL
12.245	1	MM	1	1.60194e4	4.36358	3.94131e-2		HMX

Totals without ISTD(s) : 7.46989e-1

```
=====
Acq. Operator   : RWJ                      Seq. Line :   27
Acq. Instrument : 3336A52146              Location  : Vial 27
Injection Date  : 10/12/2017 3:22:33 AM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
                  H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

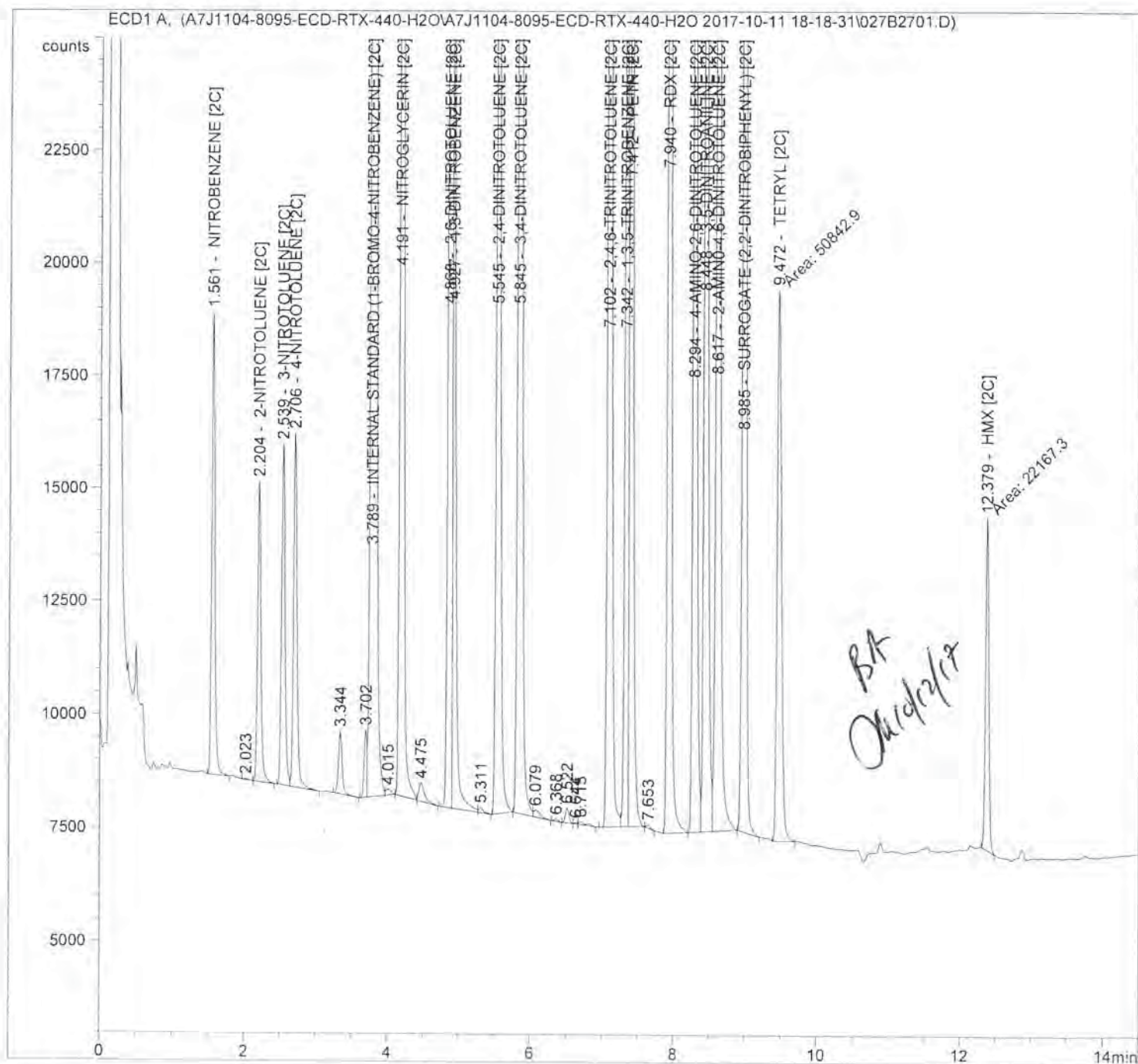
Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
```

=====

Acq. Operator	: RWJ	Seq. Line	: 27
Acq. Instrument	: 3337G12416	Location	: Vial 27
Injection Date	: 10/12/2017 3:54:17 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:27:41 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



```
=====
Acq. Operator   : RWJ                      Seq. Line :   27
Acq. Instrument : 3337G12416              Location  : Vial 27
Injection Date  : 10/12/2017 3:54:17 AM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:27:41 PM by RWJ
                 (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL,
INJECTION 2 UL.
=====
```

```
=====
Internal Standard Report
=====
```

```
Sorted By           : Retention Time
Calib. Data Modified : 10/12/2017 3:27:43 PM
Multiplier:         : 1.0000
Dilution:           : 1.0000
Sample Amount:       : 1.00000 [] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Sample ISTD Information:

ISTD ISTD Amount Name

#

```
----|-----|-----
1 1.25000e-1 INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
```

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.561	1	BB	1	1.02546e4	3.53750	4.08501e-2		NITROBENZENE [2C]
2.204	1	BB	1	6646.86865	5.43618	4.06900e-2		2-NITROTOLUENE [2C]
2.539	1	BV	1	7555.31934	4.96155	4.22130e-2		3-NITROTOLUENE [2C]
2.706	1	VB	1	7844.62939	4.79566	4.23640e-2		4-NITROTOLUENE [2C]
3.789	1	VV +I	1	1.11003e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.191	1	BV	1	4.67499e4	7.57368e-1	3.98716e-2		NITROGLYCERIN [2C]
4.868	1	BV	1	5.15460e4	7.15281e-1	4.15191e-2		2,6-DINITROTOLUENE [2C]
4.927	1	VV B	1	1.74619e4	2.07381	4.07789e-2		1,3-DINITROBENZENE [2C]
5.545	1	BB	1	2.77445e4	1.36948	4.27866e-2		2,4-DINITROTOLUENE [2C]
5.845	1	BV	1	5.19145e4	7.18153e-1	4.19838e-2		3,4-DINITROTOLUENE [2C]
7.102	1	BV	1	4.53651e4	8.48490e-1	4.33456e-2		2,4,6-TRINITROTOLUENE [2C]
7.342	1	VV	1	2.31168e4	1.71551	4.46576e-2		1,3,5-TRINITROBENZENE [2C]
7.412	1	VB	1	2.70525e4	1.29974	3.95949e-2		PETN [2C]
7.940	1	BB	1	5.38517e4	6.85989e-1	4.15999e-2		RDX [2C]
8.294	1	BV	1	3.24135e4	1.13874	4.15649e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.448	1	VV	1	3.04736e4	1.29222	4.43440e-2		3,5-DINITROANILINE [2C]
8.617	1	VB	1	3.74350e4	1.00498	4.23652e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.985	1	BB +	1	4.01263e4	9.49971e-1	4.29255e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.472	1	MM	1	1.21995e4	3.02027	4.14922e-2		TETRYL [2C]
12.379	1	MM	1	7333.85547	4.62180	3.81698e-2		HMX [2C]

OK
10/12/2017

=====

Acq. Operator	: RWJ	Seq. Line	: 27
Acq. Instrument	: 3337G12416	Location	: Vial 27
Injection Date	: 10/12/2017 3:54:17 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:27:41 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Totals without ISTD(s) : 7.93116e-1

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Instrument ID: 3336A52146
 Lab File ID: 010F1001.D.Report.TXT
 Sequence: A7J1104
 Lab Sample ID: A7J1104-ICV1

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171009
 Calibration Date: 10/11/17 18:45
 Injection Date: 10/11/17
 Injection Time: 21:17

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0381	53.15554	44.79331		-4.7	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0407	21.88196	23.25429		1.7	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0394	46.34301	40.01228		-1.6	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0395	19.68564	19.97531		-1.2	20
3,5-Dinitroaniline	PR	0.04000	0.0378	51.15381	41.60624		-5.4	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0410	16.48872	18.16546		2.5	20
1,3-Dinitrobenzene	PR	0.04000	0.0398	15.79307	14.59963		-0.5	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0355	10.50004	9.838828		-11.3	20
2,6-Dinitrotoluene	PR	0.04000	0.0375	62.98677	53.48967		-6.2	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0387	32.13951	31.24119		-3.2	20
2,4-Dinitrotoluene	PR	0.04000	0.0376	36.13025	30.42323		-6.1	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0397	16.42243	16.7081		-0.7	20
HMX	PR	0.04000	0.0473	9.114399	10.86923		18.4	20
HMX [2C]	PR	0.04000	0.0441	4.584755	5.722029		10.1	20
Nitrobenzene	PR	0.04000	0.0401	7.619759	7.118465		0.3	20
Nitrobenzene [2C]	PR	0.04000	0.0400	6.321318	6.503414		0.1	20
Nitroglycerin	PR	0.04000	0.0381	38.00316	34.12488		-4.9	20
Nitroglycerin [2C]	PR	0.04000	0.0402	28.2394	30.47878		0.5	20
2-Nitrotoluene	PR	0.04000	0.0397	2.451906	2.344735		-0.8	20
2-Nitrotoluene [2C]	PR	0.04000	0.0395	4.062226	4.1712		-1.3	20
3-Nitrotoluene	PR	0.04000	0.0406	4.353494	4.194768		1.6	20
3-Nitrotoluene [2C]	PR	0.04000	0.0413	4.463559	4.779653		3.2	20
4-Nitrotoluene	PR	0.04000	0.0414	3.076629	3.131146		3.5	20
4-Nitrotoluene [2C]	PR	0.04000	0.0416	4.551127	4.979172		4.0	20
PETN	PR	0.04000	0.0398	20.19841	18.36184		-0.4	20
PETN [2C]	PR	0.04000	0.0398	16.91448	17.55793		-0.6	20
RDX	PR	0.04000	0.0415	54.40615	55.7737		3.7	20
RDX [2C]	PR	0.04000	0.0416	30.70513	34.83714		4.1	20
Tetryl	PR	0.04000	0.0443	12.7425	18.05566		10.8	20
Tetryl [2C]	PR	0.04000	0.0427	5.576814	8.20955		6.8	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0415	26.50411	25.14408		3.8	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Instrument ID: 3336A52146
 Lab File ID: 010B1001.D.Report.TXT
 Sequence: A7J1104
 Lab Sample ID: A7J1104-ICV1

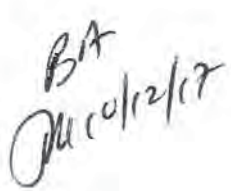
SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171009
 Calibration Date: 10/11/17 18:45
 Injection Date: 10/11/17
 Injection Time: 21:17

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0428	12.9801	14.33541		7.0	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0374	53.35518	46.12897		-6.5	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0385	26.36658	26.22046		-3.6	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0411	45.6182	44.19417		2.8	20
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0420	22.98105	25.35528		4.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

.....



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Acq. Operator	: RWJ	Seq. Line	: 10
Acq. Instrument	: 3336A52146	Location	: Vial 10
Injection Date	: 10/11/2017 9:17:07 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M

Last changed : 9/7/2017 12:50:49 PM by RWJ

Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M

Last changed : 10/12/2017 10:12:27 AM by RWJ

Method Info : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID 1.5 MICRON FILM, (S/N 1153047/P).
INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : Thursday, October 12, 2017 10:12:05 AM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
------	-------------	------

#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.215	1	BB	1	1.09437e4	5.63599	4.01195e-2		NITROBENZENE
2.904	1	VB	1	3604.71973	16.91885	3.96703e-2		2-NITROTOLUENE
3.222	1	BV	1	6448.90186	9.68661	4.06331e-2		3-NITROTOLUENE
3.369	1	VB	1	4813.72314	13.22258	4.14019e-2		4-NITROTOLUENE
4.350	1	FM +I	1	1.92171e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.634	1	FM	1	5.24625e4	1.11503	3.80504e-2		NITROGLYCERIN
5.260	1	BV	1	2.24450e4	2.72588	3.97969e-2		1,3-DINITROBENZENE
5.392	1	VV	1	8.22333e4	7.01287e-1	3.75116e-2		2,6-DINITROTOLUENE
5.957	1	VB	1	4.67717e4	1.23475	3.75651e-2		2,4-DINITROTOLUENE
6.353	1	BV	1	8.98825e4	6.62819e-1	3.87519e-2		3,4-DINITROTOLUENE
7.040	1	BV	1	3.86557e4	1.65165	4.15291e-2		1,3,5-TRINITROBENZENE
7.206	1	VV	1	7.09172e4	8.10586e-1	3.73915e-2		2,4,6-TRINITROTOLUENE
7.831	1	MM	1	2.82289e4	2.17017	3.98483e-2		PETN
8.151	1	BV	1	8.57447e4	7.44004e-1	4.14959e-2		RDX
8.694	1	MF	1	6.15136e4	9.83819e-1	3.93649e-2		4-AMINO-2,6-DINITROTOLUENE
8.757	1	FM	1	6.39641e4	9.09297e-1	3.78325e-2		3,5-DINITROANILINE
9.009	1	FM	1	6.88638e4	8.51318e-1	3.81334e-2		2-AMINO-4,6-DINITROTOLUENE
9.526	1	BV +	1	6.79427e4	9.30219e-1	4.11103e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.621	1	VV	1	2.77582e4	2.45358	4.43009e-2		TETRYL
12.247	1	MM	1	1.67100e4	4.35619	4.73485e-2		HMX

Totals without ISTD(s) : 7.61856e-1

OK
mu10/12/17

```
=====
Acq. Operator   : RWJ                      Seq. Line :   10
Acq. Instrument : 3336A52146              Location  : Vial 10
Injection Date  : 10/11/2017 9:17:07 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7J1104-8095-ECD-RTX-TNT-H2O\A7J1104-8095-ECD-RTX-TNT-
H2O 2017-10-11 18-02-15\8095-ECD-RTX-TNT.M
Last changed    : 9/7/2017 12:50:49 PM by RWJ
Analysis Method : C:\CHEM32\1\METHODS\A7J1104-ECD-8095-RTX-TNT-H2O.M
Last changed    : 10/12/2017 10:12:27 AM by RWJ
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM ID   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

1 Warnings or Errors :

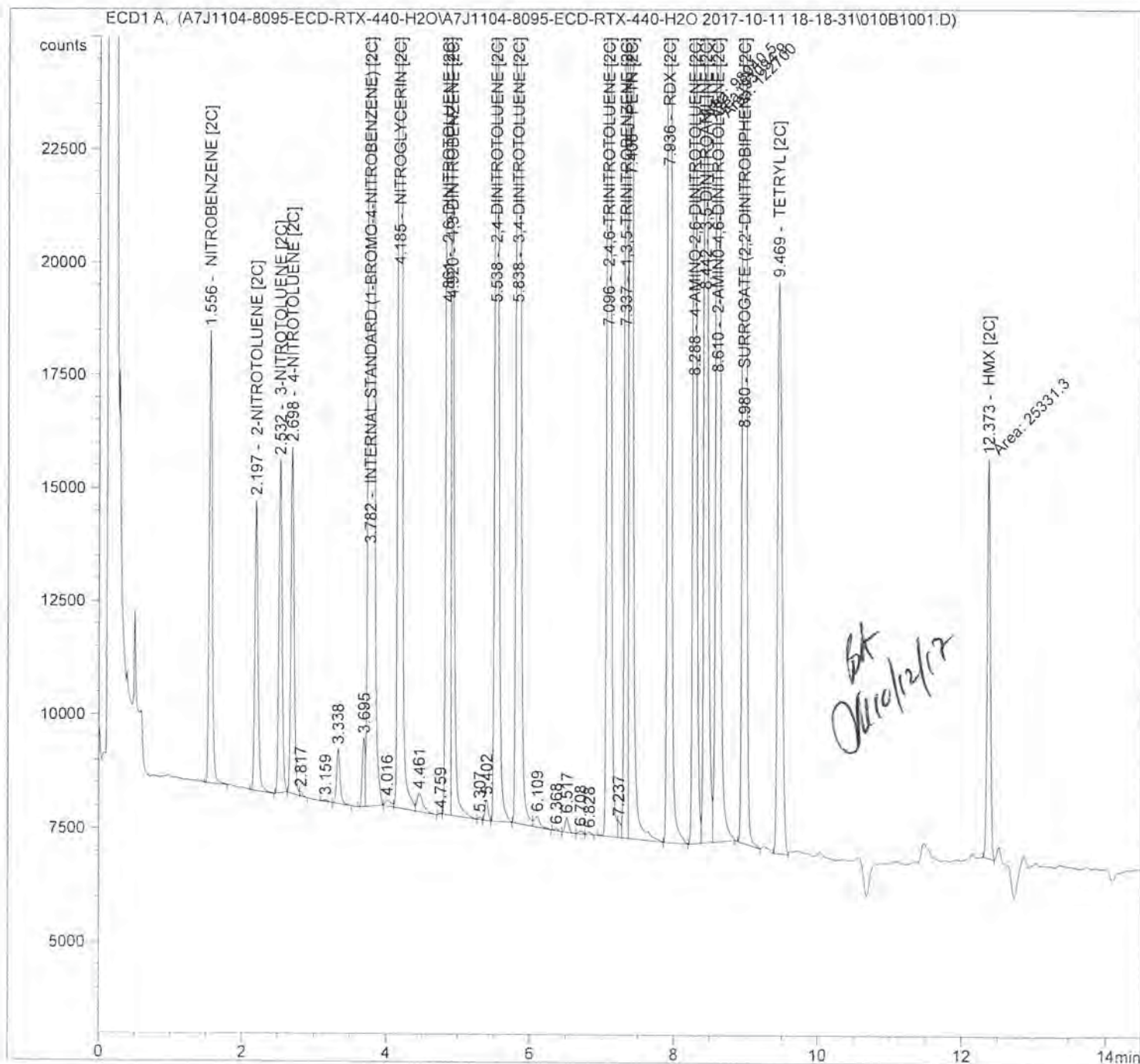
Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***
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Acq. Operator	: RWJ	Seq. Line	: 10
Acq. Instrument	: 3337G12416	Location	: Vial 10
Injection Date	: 10/11/2017 9:40:10 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M		
Last changed	: 10/11/2017 6:12:28 PM by RWJ		
Analysis Method	: C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M		
Last changed	: 10/12/2017 3:13:58 PM by RWJ (modified after loading)		
Method Info	: Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: RWJ	Seq. Line	: 10
Acq. Instrument	: 3337G12416	Location	: Vial 10
Injection Date	: 10/11/2017 9:40:10 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M

Last changed : 10/11/2017 6:12:28 PM by RWJ

Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M

Last changed : 10/12/2017 3:13:58 PM by RWJ
(modified after loading)

Method Info : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON FILM (S/A 1161164). USING CYCLOSPITTER LINER ANND GOLD SEAL.
INJECTION 2 UL.

=====

Internal Standard Report

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Sorted By : Retention Time

Calib. Data Modified : 10/12/2017 3:13:59 PM

Multiplier: : 1.0000

Dilution: : 1.0000

Sample Amount: : 1.00000 [] (not used in calc.)

Do not use Multiplier & Dilution Factor with ISTDs

Sample ISTD Information:

ISTD	ISTD Amount	Name
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#		
1	1.25000e-1	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]

Signal 1: ECD1 A,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
1.556	1	BB	1	9998.14063	3.53397	4.00461e-2		NITROBENZENE [2C]
2.197	1	BB	1	6412.66895	5.43016	3.94665e-2		2-NITROTOLUENE [2C]
2.532	1	BB	1	7348.08496	4.95747	4.12869e-2		3-NITROTOLUENE [2C]
2.698	1	BV	1	7654.82031	4.79419	4.15937e-2		4-NITROTOLUENE [2C]
3.782	1	VB +I	1	1.10289e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.185	1	VV	1	4.68571e4	7.57298e-1	4.02180e-2		NITROGLYCERIN [2C]
4.861	1	BV	1	4.80292e4	7.11373e-1	3.87241e-2		2,6-DINITROTOLUENE [2C]
4.920	1	VB B	1	1.51259e4	2.06897	3.54695e-2		1,3-DINITROBENZENE [2C]
5.538	1	BB	1	2.56865e4	1.36432	3.97191e-2		2,4-DINITROTOLUENE [2C]
5.838	1	BV	1	4.96569e4	7.16324e-1	4.03150e-2		3,4-DINITROTOLUENE [2C]
7.096	1	BV	1	4.03105e4	8.43657e-1	3.85444e-2		2,4,6-TRINITROTOLUENE [2C]
7.337	1	VV	1	2.20388e4	1.71276	4.27820e-2		1,3,5-TRINITROBENZENE [2C]
7.408	1	VB	1	2.69930e4	1.29992	3.97692e-2		PETN [2C]
7.936	1	BB	1	5.35575e4	6.85970e-1	4.16393e-2		RDX [2C]
8.288	1	MF	1	3.07094e4	1.13580	3.95322e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.442	1	FM	1	2.79270e4	1.29491	4.09866e-2		3,5-DINITROANILINE [2C]
8.610	1	FM	1	3.57504e4	1.00396	4.06795e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
8.980	1	BV +	1	3.89804e4	9.49531e-1	4.19501e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.469	1	BV	1	1.26211e4	2.98671	4.27238e-2		TETRYL [2C]
12.373	1	MM	1	8796.86426	4.41873	4.40558e-2		HMX [2C]

OK
10/12/17

Sample Name: A7J1104-ICV1

```
=====
Acq. Operator   : RWJ                      Seq. Line :   10
Acq. Instrument : 3337G12416              Location  : Vial 10
Injection Date  : 10/11/2017 9:40:10 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7J1104-8095-ECD-RTX-440-H2O\A7J1104-8095-ECD-RTX-440-
H2O 2017-10-11 18-18-31\8095-ECD-RTX-440.M
Last changed    : 10/11/2017 6:12:28 PM by RWJ
Analysis Method : C:\CHEM32\2\METHODS\A7J1104-8095-ECD-RTX-440-H2O.M
Last changed    : 10/12/2017 3:13:58 PM by RWJ
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-440 6M BY 0.53 MM ID 0.5 MICRON
                  FILM (S/A 1161164). USING CYCLOSPLITTER LINER ANND GOLD SEAL.
                  INJECTION 2 UL.
=====
```

```
=====
Totals without ISTD(s) :                      7.69502e-1
=====
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

```
=====
*** End of Report ***
=====
```

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Sequence: A7J1104

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3336A52146
 Calibration: A171009

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Instrument Blank (A7J1104-IBL1) ug/mL				Lab File ID: 001F0101.D.Re; Analyzed: 10/11/17 18:03				
2,2'-Dinitrobiphenyl			60 - 140		9.525833	-9.5258	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
Instrument Blank (A7J1104-IBL2) ug/mL				Lab File ID: 002F0201.D.Re; Analyzed: 10/11/17 18:24				
2,2'-Dinitrobiphenyl			60 - 140		9.525833	-9.5258	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
Instrument Blank (A7J1104-IBL3) ug/mL				Lab File ID: 009F0901.D.Re; Analyzed: 10/11/17 20:55				
2,2'-Dinitrobiphenyl			60 - 140	9.526	9.525833	0.0002	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140	8.982	8.981667	0.0003	+/-1.000	
Initial Cal Check (A7J1104-ICV1) ug/mL				Lab File ID: 010F1001.D.Re; Analyzed: 10/11/17 21:17				
2,2'-Dinitrobiphenyl	0.04000	103	80 - 120	9.526	9.525833	0.0002	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	105	80 - 120	8.98	8.981667	-0.0017	+/-1.000	
Calibration Check (A7J1104-CCV1) ug/mL				Lab File ID: 011F1101.D.Re; Analyzed: 10/11/17 21:38				
2,2'-Dinitrobiphenyl	0.04000	103	80 - 120	9.525	9.525833	-0.0008	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	107	80 - 120	8.981	8.981667	-0.0007	+/-1.000	
Blank (A710039-BLK1) ug/L				Lab File ID: 012F1201.D.Re; Analyzed: 10/11/17 22:00				
2,2'-Dinitrobiphenyl	2.500	106	60 - 140	9.525	9.525833	-0.0008	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	2.500	104	60 - 140	8.98	8.981667	-0.0017	+/-1.000	
LCS (A710039-BS1) ug/L				Lab File ID: 013F1301.D.Re; Analyzed: 10/11/17 22:21				
2,2'-Dinitrobiphenyl	2.500	101	60 - 140	9.526	9.525833	0.0002	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	2.500	106	60 - 140	8.98	8.981667	-0.0017	+/-1.000	
PW-1101-100917 (A174105-01) ug/L				Lab File ID: 014F1401.D.Re; Analyzed: 10/11/17 22:42				
2,2'-Dinitrobiphenyl	2.500	109	60 - 140	9.524	9.525833	-0.0018	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	2.500	97.4	60 - 140	8.984	8.981667	0.0023	+/-1.000	
Instrument Blank (A7J1104-IBL4) ug/mL				Lab File ID: 015F1501.D.Re; Analyzed: 10/11/17 23:04				
2,2'-Dinitrobiphenyl			60 - 140	9.527	9.525833	0.0012	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
Instrument Blank (A7J1104-IBL5) ug/mL				Lab File ID: 016F1601.D.Re; Analyzed: 10/11/17 23:26				
2,2'-Dinitrobiphenyl			60 - 140	9.524	9.525833	-0.0018	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
Matrix Spike (A710039-MS1) ug/L				Lab File ID: 017F1701.D.Re; Analyzed: 10/11/17 23:47				
2,2'-Dinitrobiphenyl	2.500	108	60 - 140	9.526	9.525833	0.0002	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	2.500	96.1	60 - 140	8.983	8.981667	0.0013	+/-1.000	
Instrument Blank (A7J1104-IBL6) ug/mL				Lab File ID: 018F1801.D.Re; Analyzed: 10/12/17 00:09				
2,2'-Dinitrobiphenyl			60 - 140	9.524	9.525833	-0.0018	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Sequence: A7J1104

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3336A52146
 Calibration: A171009

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Instrument Blank (A7J1104-IBL7) ug/mL				Lab File ID: 019F1901.D.ReAnalyzed: 10/12/17 00:30				
2,2'-Dinitrobiphenyl			60 - 140	9.528	9.525833	0.0022	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
Calibration Check (A7J1104-CCV2) ug/mL				Lab File ID: 020F2001.D.ReAnalyzed: 10/12/17 00:52				
2,2'-Dinitrobiphenyl	0.04000	101	80 - 120	9.524	9.525833	-0.0018	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	109	80 - 120	8.985	8.981667	0.0033	+/-1.000	
Matrix Spike Dup (A710039-MSD1) ug/L				Lab File ID: 021F2101.D.ReAnalyzed: 10/12/17 01:13				
2,2'-Dinitrobiphenyl	2.500	103	60 - 140	9.526	9.525833	0.0002	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	2.500	100	60 - 140	8.984	8.981667	0.0023	+/-1.000	
Instrument Blank (A7J1104-IBL8) ug/mL				Lab File ID: 022F2201.D.ReAnalyzed: 10/12/17 01:35				
2,2'-Dinitrobiphenyl			60 - 140	9.528	9.525833	0.0022	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
Instrument Blank (A7J1104-IBL9) ug/mL				Lab File ID: 023F2301.D.ReAnalyzed: 10/12/17 01:56				
2,2'-Dinitrobiphenyl			60 - 140	9.528	9.525833	0.0022	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
PW-1101DUP-100917 (A174105-02) ug/L				Lab File ID: 024F2401.D.ReAnalyzed: 10/12/17 02:18				
2,2'-Dinitrobiphenyl	2.500	102	60 - 140	9.526	9.525833	0.0002	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	2.500	92.8	60 - 140	8.987	8.981667	0.0053	+/-1.000	
Instrument Blank (A7J1104-IBLA) ug/mL				Lab File ID: 025F2501.D.ReAnalyzed: 10/12/17 02:39				
2,2'-Dinitrobiphenyl			60 - 140	9.525	9.525833	-0.0008	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140	8.984	8.981667	0.0023	+/-1.000	
Instrument Blank (A7J1104-IBLB) ug/mL				Lab File ID: 026F2601.D.ReAnalyzed: 10/12/17 03:01				
2,2'-Dinitrobiphenyl			60 - 140	9.519	9.525833	-0.0068	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		8.981667	-8.9817	+/-1.000	
Calibration Check (A7J1104-CCV3) ug/mL				Lab File ID: 027F2701.D.ReAnalyzed: 10/12/17 03:22				
2,2'-Dinitrobiphenyl	0.04000	101	80 - 120	9.527	9.525833	0.0012	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	107	80 - 120	8.985	8.981667	0.0033	+/-1.000	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Sequence: A7J1104
 Matrix: Water

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3336A52146
 Calibration: A171009

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Instrument Blank (A7J1104-IBL1)			Lab File ID: 001F0101.D.Report.TXTAnalyzed: 10/11/17 18:03						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3500	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-3.7830	+/-0.50	*
Instrument Blank (A7J1104-IBL2)			Lab File ID: 002F0201.D.Report.TXTAnalyzed: 10/11/17 18:24						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3500	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-3.7830	+/-0.50	*
Instrument Blank (A7J1104-IBL3)			Lab File ID: 009F0901.D.Report.TXTAnalyzed: 10/11/17 20:55						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3500	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0470	+/-0.50	*
Initial Cal Check (A7J1104-ICV1)			Lab File ID: 010F1001.D.Report.TXTAnalyzed: 10/11/17 21:17						
1-Bromo-4-nitrobenzene	192171	4.35	182510	4.35	105	50 - 300	0.0000	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	110289	3.782	100899	4.35	109	50 - 300	-0.0010	+/-0.50	
Calibration Check (A7J1104-CCV1)			Lab File ID: 011F1101.D.Report.TXTAnalyzed: 10/11/17 21:38						
1-Bromo-4-nitrobenzene	183207	4.348	182510	4.35	100	50 - 300	-0.0020	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	94595.7	3.785	100899	4.35	94	50 - 300	0.0030	+/-0.50	
Blank (A710039-BLK1)			Lab File ID: 012F1201.D.Report.TXTAnalyzed: 10/11/17 22:00						
1-Bromo-4-nitrobenzene	321732	4.349	182510	4.35	176	50 - 300	0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	184144	3.784	100899	4.35	182	50 - 300	-0.0010	+/-0.50	
LCS (A710039-BS1)			Lab File ID: 013F1301.D.Report.TXTAnalyzed: 10/11/17 22:21						
1-Bromo-4-nitrobenzene	347866	4.348	182510	4.35	191	50 - 300	0.0000	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	186318	3.785	100899	4.35	185	50 - 300	0.0000	+/-0.50	
PW-1101-100917 (A174105-01)			Lab File ID: 014F1401.D.Report.TXTAnalyzed: 10/11/17 22:42						
1-Bromo-4-nitrobenzene	377957	4.351	182510	4.35	207	50 - 300	0.0030	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	221215	3.788	100899	4.35	219	50 - 300	0.0030	+/-0.50	
Instrument Blank (A7J1104-IBL4)			Lab File ID: 015F1501.D.Report.TXTAnalyzed: 10/11/17 23:04						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3480	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0490	+/-0.50	*
Instrument Blank (A7J1104-IBL5)			Lab File ID: 016F1601.D.Report.TXTAnalyzed: 10/11/17 23:26						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3480	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0450	+/-0.50	*
Matrix Spike (A710039-MS1)			Lab File ID: 017F1701.D.Report.TXTAnalyzed: 10/11/17 23:47						
1-Bromo-4-nitrobenzene	315416	4.35	182510	4.35	173	50 - 300	0.0020	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	230671	3.786	100899	4.35	229	50 - 300	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Sequence: A7J1104
 Matrix: Soil

SDG: A174105
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3336A52146
 Calibration: A171009

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Instrument Blank (A7J1104-IBL6)			Lab File ID: 018F1801.D.Report.TXTAnalyzed: 10/12/17 00:09						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3480	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0460	+/-0.50	*
Instrument Blank (A7J1104-IBL7)			Lab File ID: 019F1901.D.Report.TXTAnalyzed: 10/12/17 00:30						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3480	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0460	+/-0.50	*
Calibration Check (A7J1104-CCV2)			Lab File ID: 020F2001.D.Report.TXTAnalyzed: 10/12/17 00:52						
1-Bromo-4-nitrobenzene	187878	4.35	182510	4.35	103	50 - 300	0.0020	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	116226	3.79	100899	4.35	115	50 - 300	0.0050	+/-0.50	
Matrix Spike Dup (A710039-MSD1)			Lab File ID: 021F2101.D.Report.TXTAnalyzed: 10/12/17 01:13						
1-Bromo-4-nitrobenzene	335463	4.35	182510	4.35	184	50 - 300	0.0000	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	226559	3.789	100899	4.35	224	50 - 300	-0.0010	+/-0.50	
Instrument Blank (A7J1104-IBL8)			Lab File ID: 022F2201.D.Report.TXTAnalyzed: 10/12/17 01:35						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3500	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0500	+/-0.50	*
Instrument Blank (A7J1104-IBL9)			Lab File ID: 023F2301.D.Report.TXTAnalyzed: 10/12/17 01:56						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3500	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0470	+/-0.50	*
PW-1101DUP-100917 (A174105-02)			Lab File ID: 024F2401.D.Report.TXTAnalyzed: 10/12/17 02:18						
1-Bromo-4-nitrobenzene	340532	4.349	182510	4.35	187	50 - 300	-0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	257003	3.792	100899	4.35	255	50 - 300	0.0020	+/-0.50	
Instrument Blank (A7J1104-IBLA)			Lab File ID: 025F2501.D.Report.TXTAnalyzed: 10/12/17 02:39						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3500	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0500	+/-0.50	*
Instrument Blank (A7J1104-IBLB)			Lab File ID: 026F2601.D.Report.TXTAnalyzed: 10/12/17 03:01						
1-Bromo-4-nitrobenzene			182510	4.35		50 - 300	-4.3500	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			100899	4.35		50 - 300	-0.0450	+/-0.50	*
Calibration Check (A7J1104-CCV3)			Lab File ID: 027F2701.D.Report.TXTAnalyzed: 10/12/17 03:22						
1-Bromo-4-nitrobenzene	221696	4.35	182510	4.35	121	50 - 300	0.0000	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	111003	3.789	100899	4.35	110	50 - 300	-0.0010	+/-0.50	

[illegible]