



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

January 18, 2018

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**
955 Route 46
Kenvil, Roxbury Township, Morris County
Block 5302, Lot 3
Sampling Date: December 11, 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 January 4, 2018 sent to Mr. Thomas Lemma (property owner) and Roxbury Township Health Department

Based on these results, no further investigation on the subject 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,

A handwritten signature in black ink, appearing to read "Ed D. Meeks".

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: Former Kenvil Works Facility

List all AKAs: Alliant Techsystems Inc.

Street Address: 100 Howard Boulevard

Municipality: Roxbury Township (Township, Boro or City)

County: Morris Zip Code: 07847

Program Interest (PI) Number(s): 000741 Case Tracking Number(s): 849

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: 2 Sampling Date: 12/11/2017
Analytical Method(s) USEPA SW846 Method 8095

☐ 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): Pace Analytical Services, LLC

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.
Yes, the case narrative noted a low CCV recovery for HMX.
8. Were qualified data used? ☒ Yes ☐ No
9. Were rejections noted in the non-conformance summary? ☐ Yes ☒ No
Provide a brief explanation.
Due to HMX low CCV recovery, two samples were qualified as non-detect estimated (UJ).

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:

Although the MSD was outside acceptance limit for HMX, no data was qualified since the MSD failed high and the associated sample was non-detect.

Due to HMX low CCV recovery, two samples were qualified as non-detect estimated (UJ).

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

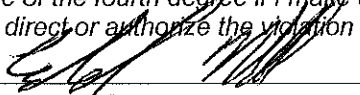
Mailing Address: Hercules Research Center, 500 Hercules Road, Building 8145

City/Town: Wilmington State: DE 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: 2/5/18

Name/Title: Edward 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: NJ 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: 1/29/18LSRP 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: Thursday, January 25, 2018 11:41 AM
To: Kiersten Robbins
Subject: 000741, LSR120001, E94632, HB221044, (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; SampleLoc-7-1-8.KML

On the evening of January 23 a rejection email was sent out for the email submittal with the Catalog number: HB220758. This message went out in error. Please do not respond to this previous, rejection email. This submission has been rerun and has passed EDSA.

Below is the correct response for this submission. Sorry for any confusion this may have caused.

The EDD submission via email from (KierstenRobbins@kennedyjenks.com) on (1/18/2018 2:32:32 PM) with the subjectline "14794, 000741".

The following identifiers were in the DTST file:

- Directory: 2017PW
- DESC: Ashland Kenvil
- SRPID: E94632
- Submit Date: 1/8/2018 0:00:00

This submission has been issued an SRP Catalog ID: HB221044

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_7773
Sub ID: SUB_51347

Exhibit 3

Notification Package Dated January 4, 2018



Edward D. Meeks
Environmental 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

January 4, 2018

Thomas Lemma
P.O. Box 85
Ledgewood, New Jersey 07852

Subject: **Potable Well Sampling Results at:**
955 Route 46
Kenvil, Roxbury Township, Morris County
Block 5302, Lot 3
Sampling Date: December 11, 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. Lemma,

On behalf of Hercules, LLC (Hercules) please find attached a copy of the laboratory results generated from the potable water sample collected on December 11, 2017 from the commercial property potable well at 955 Route 46 in Kenvil, Roxbury Township, Morris County, New Jersey.

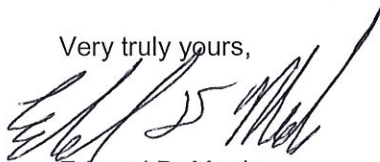
The potable well sample was collected in compliance with New Jersey Department of Environmental (NJDEP) guidance as part of the on-going environmental investigation/remediation of the Hercules property. Specifically, the potable well sample was collected to verify that the site related compounds are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

Nitroaromatics and nitroamines are explosive compounds formerly manufactured at the Hercules property. The potable well sample was analyzed for nitroaromatics and nitroamines by United States Environmental Protection Agency (USEPA) Method SW846 8095. No nitroaromatics and nitroamines were detected in the potable well sample. The laboratory report is provided in Enclosure A.

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.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Ed Meeks', with a long, sweeping horizontal line extending to the right.

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: A175003



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Pace Analytical - Madison

SDG: A175003

Report Prepared: 1/2/2018

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 Accreditation	688	12/31/2018
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2018
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2017-154	08/31/2018
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2018
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2018

Case Narrative

CASE NARRATIVE

Sample Receipt Information:

2 samples were received on 12/12/2017. Samples were received at 2.1 degrees Celsius. Samples were received in acceptable condition.

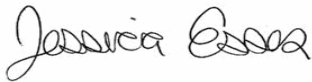
Please see the chain of custody (COC) document at the end of this report for additional information.

Continuing Calibration Verification (CCV):

The LC footnote on samples A175003-01 and A175003-02 states that there was a low CCV recovery for HMX. The lower control limit is 80% and the lowest recovery was 72.9%.

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:

Jessica Esser

Date:

1/2/2018

Title:

Project Manager

ANALYSES DATA PACKAGE COVER PAGE

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Client Sample Id:

PW-955-121117

PW-955-121117-DUP

Lab Sample Id:

A175003-01

A175003-02

Notes and Definitions

U	Analyte included in the analysis, but not detected
M	The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
LC	Results may be biased low because of low continuing calibration verification (CCV).
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 basis.
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: A175003

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	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 [2C]	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 [2C]	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-955-121117

Laboratory: Pace Analytical - Madison SDG: A175003
 Client: Kennedy Jenks Consultants Project: Ashland Kenvil - Kenvil, NJ
 Matrix: Water Laboratory ID: A175003-01 File ID: 006F0601.D.Report.TXT
 Sampled: 12/11/17 13:15 Prepared: 12/13/17 09:37 Analyzed: 12/13/17 14:45
 Solids: Preparation: EPA 3511 Initial/Final: 400 mL / 10 mL
 Batch: A712034 Sequence: A7L1301 Calibration: A171205 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 [2C]	1	0.025	U
99-65-0	1,3-Dinitrobenzene	1	0.025	U
606-20-2	2,6-Dinitrotoluene	1	0.025	U
121-14-2	2,4-Dinitrotoluene	1	0.025	U
2691-41-0	HMX	1	0.025	LC, M, U
55-63-0	Nitroglycerin	1	0.025	U
99-08-1	3-Nitrotoluene	1	0.025	U
99-99-0	4-Nitrotoluene [2C]	1	0.025	U
78-11-5	PETN [2C]	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	0.025	U
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	1.000	0.987	98.7	60 - 140	
2,2'-Dinitrobiphenyl [2C]	1.000	1.02	102	60 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1-Bromo-4-nitrobenzene	401822	4.296	231371	4.298	
1-Bromo-4-nitrobenzene [2C]	216387	4.099	112737	4.098	

=====

Acq. Operator	: JJK	Seq. Line	: 6
Acq. Instrument	: 3336A52146	Location	: Vial 6
Injection Date	: 12/13/2017 2:45:55 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

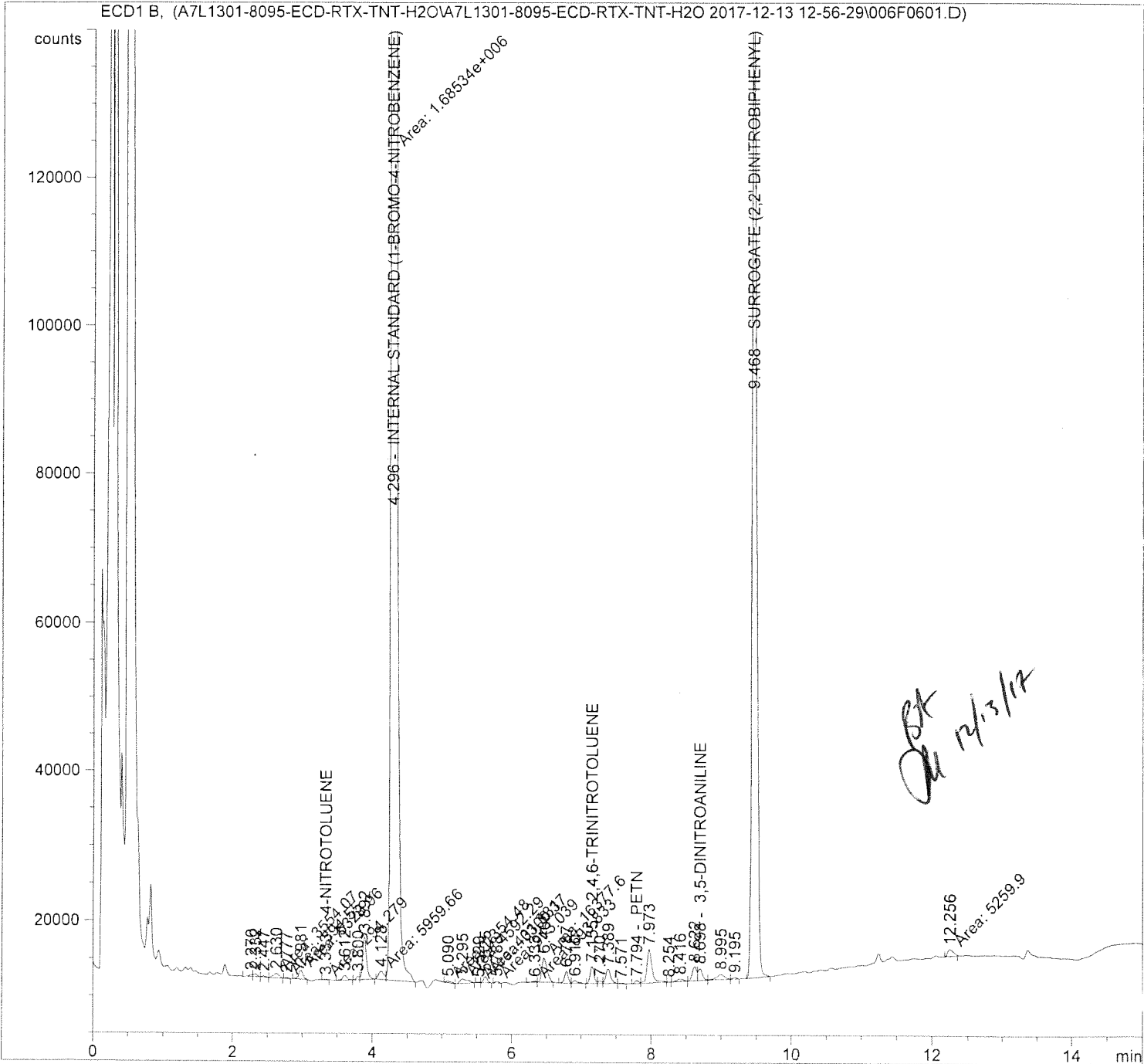
Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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	: JJK	Seq. Line	: 6
Acq. Instrument	: 3336A52146	Location	: Vial 6
Injection Date	: 12/13/2017 2:45:55 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime	Sig	Type	ISTD	Height	Amt/Height	Amount	Grp	Name
[min]			used	[counts]	ratio			
2.172	1		1	-	-	-		NITROBENZENE
2.856	1		1	-	-	-		2-NITROTOLUENE
3.179	1		1	-	-	-		3-NITROTOLUENE
3.333	1	MM	1	78.84126	8.34387	2.04643e-4		4-NITROTOLUENE
4.296	1	FM +I	1	4.01822e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.585	1		1	-	-	-		NITROGLYCERIN
5.208	1		1	-	-	-		1,3-DINITROBENZENE
5.341	1		1	-	-	-		2,6-DINITROTOLUENE
5.906	1		1	-	-	-		2,4-DINITROTOLUENE
6.298	1		1	-	-	-		3,4-DINITROTOLUENE
6.990	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.155	1	BV	1	2276.29248	5.81831e-1	4.12004e-4		2,4,6-TRINITROTOLUENE
7.794	1	BV	1	389.79449	1.52926	1.85436e-4		PETN
8.101	1		1	-	-	-		RDX
8.647	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.698	1	VV	1	1589.67212	4.66769e-1	2.30826e-4		3,5-DINITROANILINE
8.961	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.468	1	BB +	1	1.40379e5	9.04442e-1	3.94965e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.569	1		1	-	-	-		TETRYL
12.201	1		1	-	-	-		HMX

OK 12/13/17

=====

Acq. Operator	: JJK	Seq. Line	: 6
Acq. Instrument	: 3336A52146	Location	: Vial 6
Injection Date	: 12/13/2017 2:45:55 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

Totals without ISTD(s) : 4.05294e-2

2 Warnings or Errors :

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

=====

*** End of Report ***

=====

Acq. Operator	: jjk	Seq. Line	: 6
Acq. Instrument	: 3337G12416	Location	: Vial 6
Injection Date	: 12/13/2017 2:48:37 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

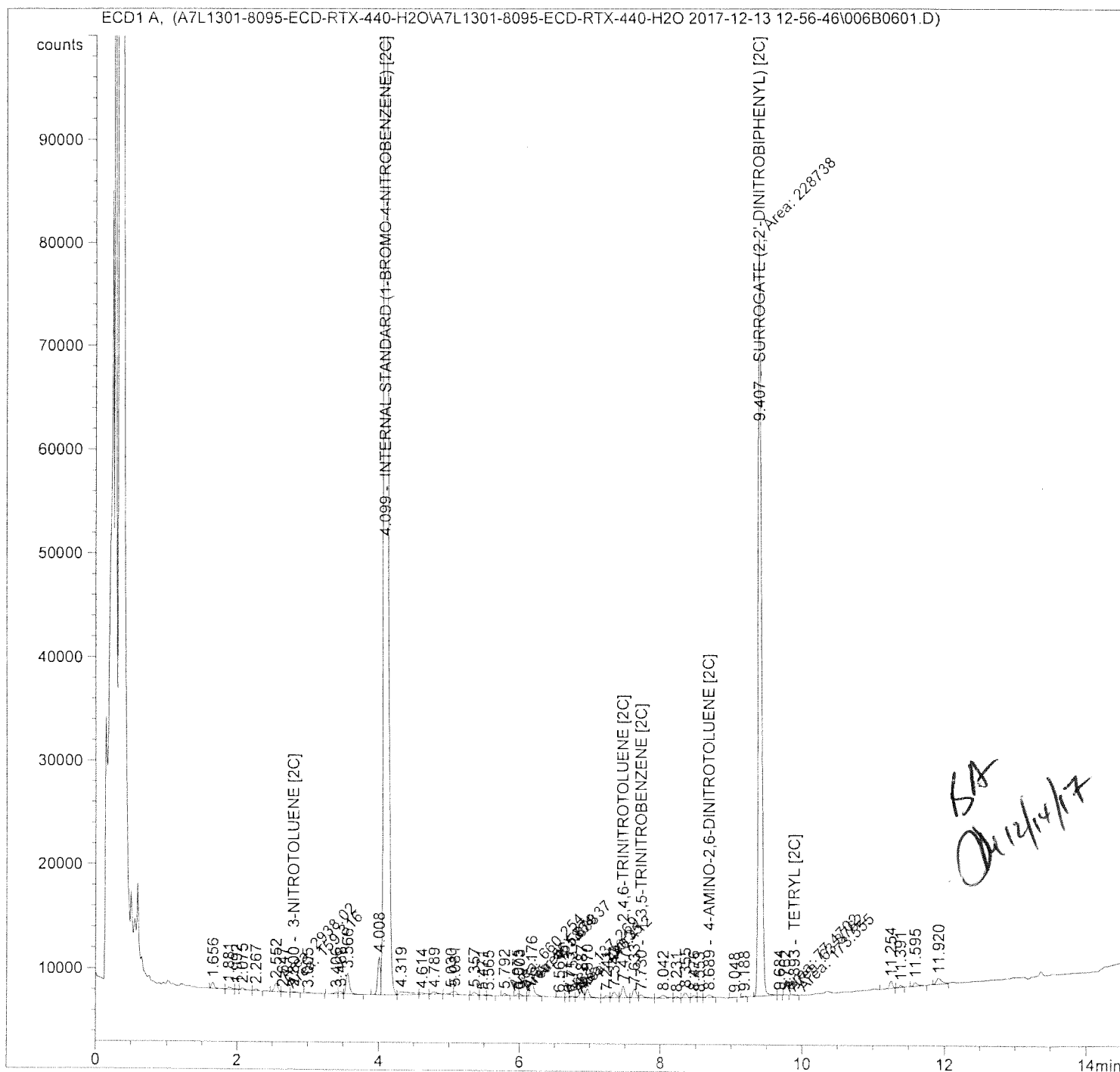
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 6
Acq. Instrument	: 3337G12416	Location	: Vial 6
Injection Date	: 12/13/2017 2:48:37 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.789	1		1	-	-	-		NITROBENZENE [2C]
2.459	1		1	-	-	-		2-NITROTOLUENE [2C]
2.800	1	BB	1	82.07417	2.91261	1.38092e-4		3-NITROTOLUENE [2C]
2.979	1		1	-	-	-		4-NITROTOLUENE [2C]
4.099	1	VB +I	1	2.16387e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.488	1		1	-	-	-		NITROGLYCERIN [2C]
5.202	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.261	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.892	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.201	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.473	1	VB	1	1117.65906	6.79189e-1	4.38510e-4		2,4,6-TRINITROTOLUENE [2C]
7.730	1	VB	1	266.43600	1.21786	1.87443e-4		1,3,5-TRINITROBENZENE [2C]
7.774	1		1	-	-	-		PETN [2C]
8.333	1		1	-	-	-		RDX [2C]
8.689	1	VB	1	257.43402	5.40920e-1	8.04413e-5		4-AMINO-2,6-DINITROTOLUENE [2C]
8.850	1		1	-	-	-		3,5-DINITROANILINE [2C]
9.024	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.407	1	MM +	1	7.33467e4	9.58816e-1	4.06252e-2		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.893	1	MM	1	37.09553	17.81519	3.81761e-4		TETRYL [2C]
12.852	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 4.18515e-2

Handwritten signature

Sample Name: A175003-01

```
=====
Acq. Operator   : jjk                               Seq. Line :    6
Acq. Instrument : 3337G12416                         Location  : Vial 6
Injection Date  : 12/13/2017 2:48:37 PM                Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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 : Calibrated compound(s) not found

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

ORGANIC ANALYSIS DATA SHEET

PW-955-121117-DUP

Laboratory: Pace Analytical - Madison SDG: A175003
 Client: Kennedy Jenks Consultants Project: Ashland Kenvil - Kenvil, NJ
 Matrix: Water Laboratory ID: A175003-02 File ID: 007F0701.D.Report.TXT
 Sampled: 12/11/17 13:15 Prepared: 12/13/17 09:37 Analyzed: 12/13/17 15:07
 Solids: Preparation: EPA 3511 Initial/Final: 400 mL / 10 mL
 Batch: A712034 Sequence: A7L1301 Calibration: A171205 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 [2C]	1	0.025	U
99-65-0	1,3-Dinitrobenzene	1	0.025	U
606-20-2	2,6-Dinitrotoluene	1	0.025	U
121-14-2	2,4-Dinitrotoluene	1	0.025	U
2691-41-0	HMX	1	0.025	LC, U
55-63-0	Nitroglycerin	1	0.025	U
99-08-1	3-Nitrotoluene	1	0.025	U
99-99-0	4-Nitrotoluene [2C]	1	0.025	U
78-11-5	PETN [2C]	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	0.025	U
118-96-7	2,4,6-Trinitrotoluene	1	0.025	U

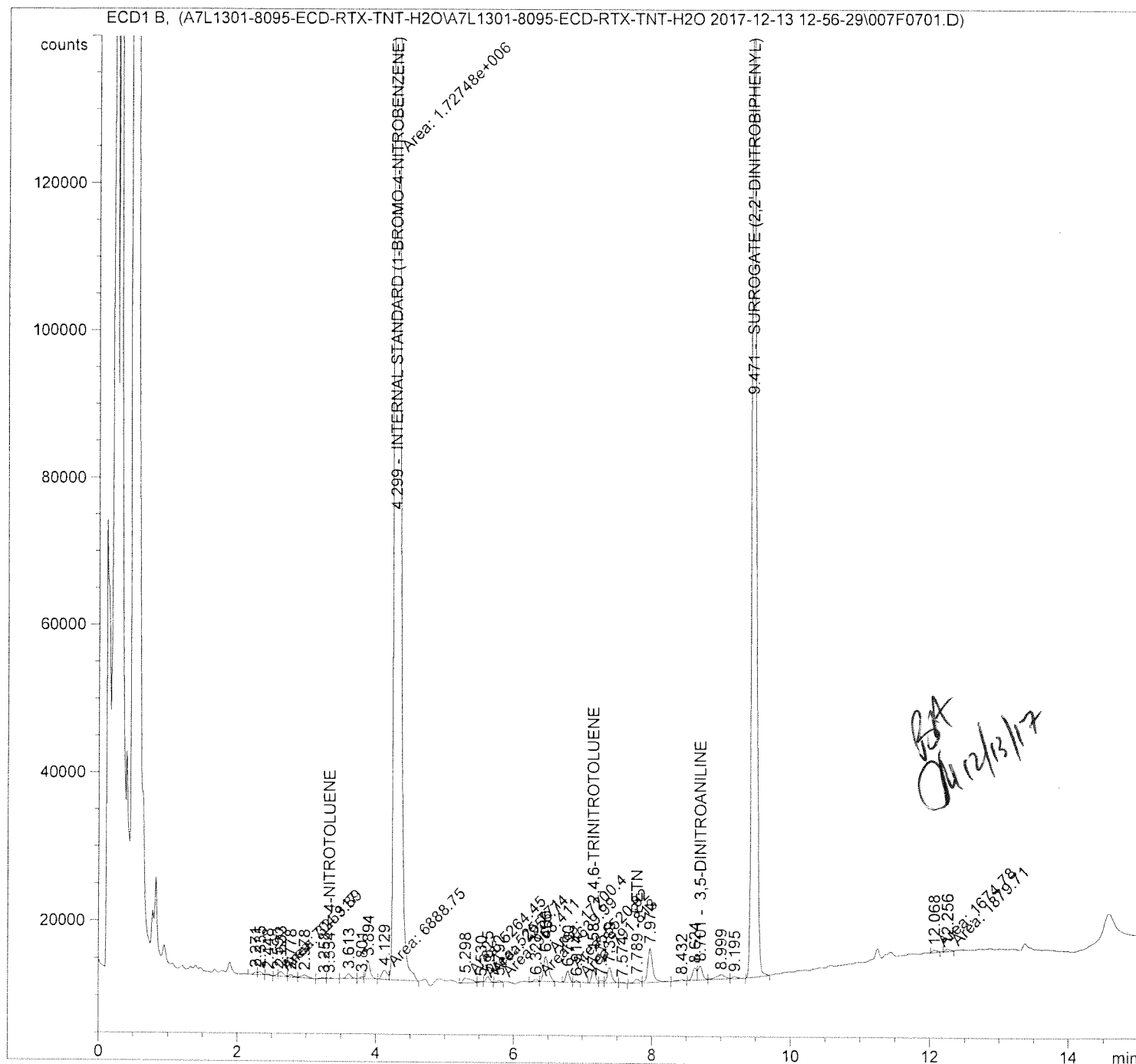
SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,2'-Dinitrobiphenyl	1.000	0.984	98.4	60 - 140	
2,2'-Dinitrobiphenyl [2C]	1.000	1.04	104	60 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1-Bromo-4-nitrobenzene	408539	4.299	231371	4.298	
1-Bromo-4-nitrobenzene [2C]	237839	4.1	112737	4.098	

=====

Acq. Operator	: JJK	Seq. Line	: 7
Acq. Instrument	: 3336A52146	Location	: Vial 7
Injection Date	: 12/13/2017 3:07:17 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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	: JJK	Seq. Line	: 7
Acq. Instrument	: 3336A52146	Location	: Vial 7
Injection Date	: 12/13/2017 3:07:17 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.173	1		1	-	-	-		NITROBENZENE
2.858	1		1	-	-	-		2-NITROTOLUENE
3.181	1		1	-	-	-		3-NITROTOLUENE
3.334	1	VB	1	148.56596	8.82037	4.00943e-4		4-NITROTOLUENE
4.299	1	FM +I	1	4.08539e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.587	1		1	-	-	-		NITROGLYCERIN
5.210	1		1	-	-	-		1,3-DINITROBENZENE
5.343	1		1	-	-	-		2,6-DINITROTOLUENE
5.909	1		1	-	-	-		2,4-DINITROTOLUENE
6.301	1		1	-	-	-		3,4-DINITROTOLUENE
6.993	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.158	1	BV	1	1875.39331	5.70128e-1	3.27146e-4		2,4,6-TRINITROTOLUENE
7.789	1	BV	1	549.57513	1.57154	2.64258e-4		PETN
8.103	1		1	-	-	-		RDX
8.650	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.701	1	VV	1	1902.05762	4.78404e-1	2.78417e-4		3,5-DINITROANILINE
8.964	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.471	1	BV +	1	1.42228e5	9.04147e-1	3.93459e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.572	1		1	-	-	-		TETRYL
12.204	1		1	-	-	-		HMX

=====
Acq. Operator : JJK Seq. Line : 7
Acq. Instrument : 3336A52146 Location : Vial 7
Injection Date : 12/13/2017 3:07:17 PM Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-
H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M
Last changed : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)
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.

=====

Totals without ISTD(s) : 4.06167e-2

2 Warnings or Errors :

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

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

=====

Acq. Operator	: jjk	Seq. Line	: 7
Acq. Instrument	: 3337G12416	Location	: Vial 7
Injection Date	: 12/13/2017 3:10:30 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

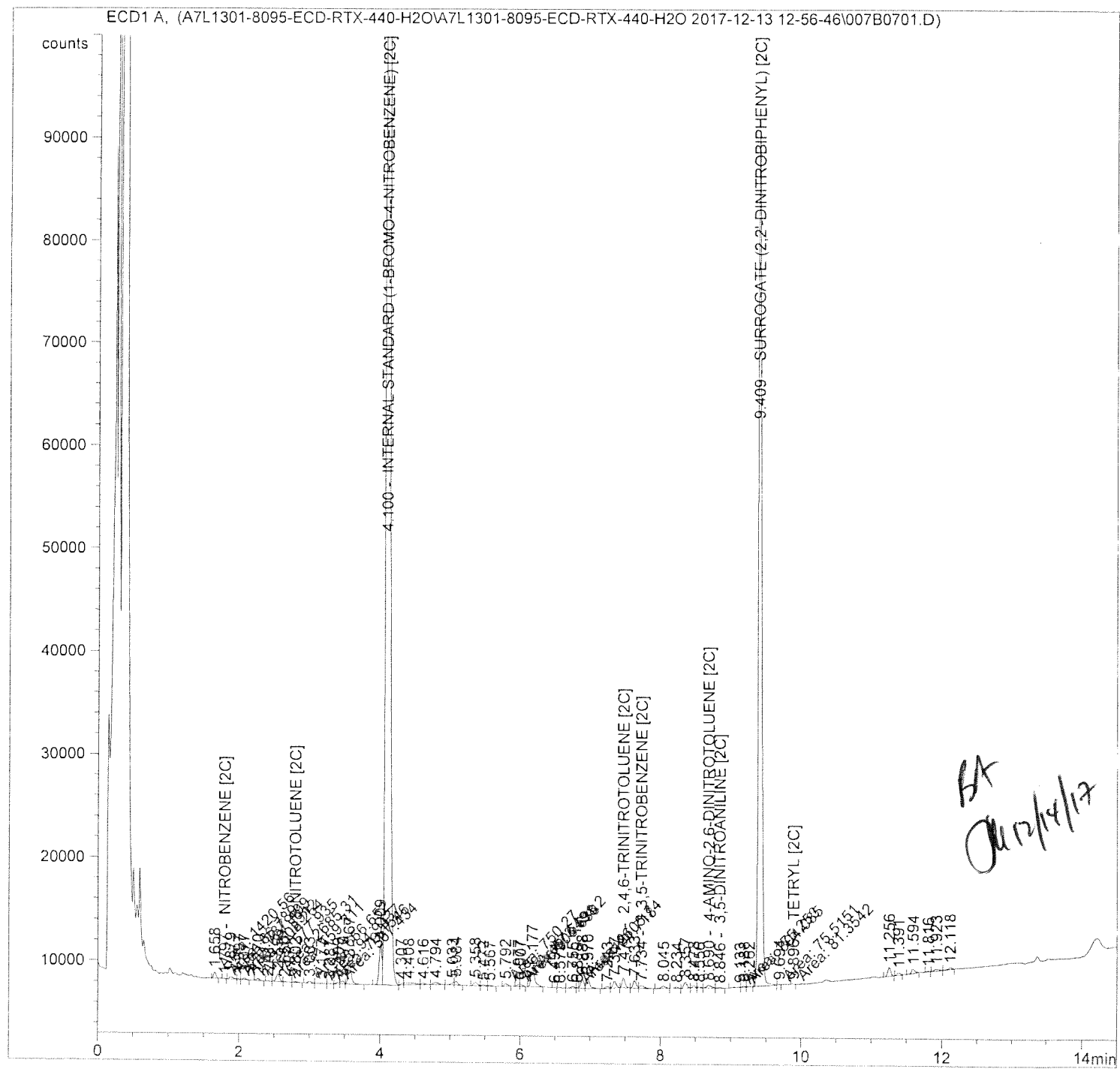
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====



Sample Name: A175003-02

=====

Acq. Operator	: jjk	Seq. Line	: 7
Acq. Instrument	: 3337G12416	Location	: Vial 7
Injection Date	: 12/13/2017 3:10:30 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

Internal Standard Report

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.797	1	MM	1	32.04148	1.80713	3.04319e-5		NITROBENZENE [2C]
2.460	1		1	-	-	-		2-NITROTOLUENE [2C]
2.802	1	BB	1	84.15839	2.89318	1.27968e-4		3-NITROTOLUENE [2C]
2.980	1		1	-	-	-		4-NITROTOLUENE [2C]
4.100	1	VB +I	1	2.37839e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.490	1		1	-	-	-		NITROGLYCERIN [2C]
5.203	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.262	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.894	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.203	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.475	1	BV	1	961.69928	6.68351e-1	3.37809e-4		2,4,6-TRINITROTOLUENE [2C]
7.734	1	VB	1	263.43539	1.20882	1.67364e-4		1,3,5-TRINITROBENZENE [2C]
7.776	1		1	-	-	-		PETN [2C]
8.335	1		1	-	-	-		RDX [2C]
8.690	1	VV	1	255.83784	5.33902e-1	7.17882e-5		4-AMINO-2,6-DINITROTOLUENE [2C]
8.846	1	VB	1	52.85128	5.75942e-1	1.59978e-5		3,5-DINITROANILINE [2C]
9.026	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.409	1	BB +	1	8.27458e4	9.59657e-1	4.17339e-2		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.896	1	MM	1	31.08207	19.24900	3.14445e-4		TETRYL [2C]
12.855	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 4.27997e-2

Handwritten signature

```
=====
Acq. Operator   : jjk                      Seq. Line :    7
Acq. Instrument : 3337G12416              Location  : Vial 7
Injection Date  : 12/13/2017 3:10:30 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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 : Calibrated compound(s) not found

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

PREPARATION BATCH SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Batch: A712034

Batch Matrix: Water

Preparation: EPA 3511

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
PW-955-121117	A175003-01	12/13/17 09:37	400.00	10.00
PW-955-121117-DUP	A175003-02	12/13/17 09:37	400.00	10.00
Blank	A712034-BLK1	12/13/17 09:37	400.00	10.00
LCS	A712034-BS1	12/13/17 09:37	400.00	10.00
PW-955-121117	A712034-MS1	12/13/17 09:37	400.00	10.00
PW-955-121117	A712034-MSD1	12/13/17 09:37	400.00	10.00

PREPARATION BENCH SHEET

A712034

Pace Analytical - Madison

intd: 12/13/2017 9:40:02AM

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
A175003-01	8095 ECD Full List	12/13/2017 09:37	400	10				40	PW-955-121117	report to RL
A175003-02	8095 ECD Full List	12/13/2017 09:37	400	10				40	PW-955-121117-DUP	report to RL
A712034-BLK1	QC	12/13/2017 09:37	400	10				40	Blank	
A712034-BS1	QC	12/13/2017 09:37	400	10	A701404		100	40	LCS	
A712034-MS1	QC	12/13/2017 09:37	400	10	A701404	A175003-01	100	40	Matrix Spike	
A712034-MSD1	QC	12/13/2017 09:37	400	10	A701404	A175003-01	100	40	Matrix Spike Dup	
Balance ID	24	Dispenser Checked?	Yes	Turbovap Temperature Checked?	NA	(VOCs Only) pH <2	NA			
Pipette Used	NA	Repeater Used	NA	Syringe(s) Used	SYR0010,SYR0017,SYR0005					

Reagents:

Standard Number	Description	Lot Number
A701517	Ethyl Acetate	57115
A701584	Sodium Chloride	16J065213

NOTE I.S. ADDED TO ALL SAMPLES PRIOR TO EXTRACTION 250 UL OF A701380 AT 5.0 UG/ML
JT BAKER (A701588) USED FOR BLK/BS

Spiked By Shubal 12/13/17 Date 12/13/17

Responsible Party Shubal Date 12/13/17

METHOD BLANK DATA SHEET

EPA 8095

Laboratory: <u>Pace Analytical - Madison</u>	SDG: <u>A175003</u>	
Client: <u>Kennedy Jenks Consultants</u>	Project: <u>Ashland Kenvil - Kenvil, NJ</u>	
Matrix: <u>Water</u>	Laboratory ID: <u>A712034-BLK1</u>	File ID: <u>005F0501.D.Report.TXT</u>
Prepared: <u>12/13/17 09:37</u>	Preparation: <u>EPA 3511</u>	Initial/Final: <u>400 mL / 10 mL</u>
Analyzed: <u>12/13/17 14:24</u>	Instrument: <u>3336A52146</u>	
Batch: <u>A712034</u>	Sequence: <u>A7L1301</u>	Calibration: <u>A171205</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	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	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
----------------------------	--------------	-------------	-------	-----------	---

METHOD BLANK DATA SHEET

EPA 8095

Laboratory: Pace Analytical - Madison SDG: A175003
Client: Kennedy Jenks Consultants Project: Ashland Kenvil - Kenvil, NJ
Matrix: Water Laboratory ID: A712034-BLK1 File ID: 005F0501.D.Report.TXT
Prepared: 12/13/17 09:37 Preparation: EPA 3511 Initial/Final: 400 mL / 10 mL
Analyzed: 12/13/17 14:24 Instrument: 3336A52146
Batch: A712034 Sequence: A7L1301 Calibration: A171205

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,2'-Dinitrobiphenyl	1.000	0.984	98.4	60 - 140	
2,2'-Dinitrobiphenyl [2C]	1.000	1.07	107	60 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1-Bromo-4-nitrobenzene	385417	4.297	231371	4.298	
1-Bromo-4-nitrobenzene [2C]	193564	4.098	112737	4.098	

Sample Name: A712034-BLK1

=====

Acq. Operator	: JJK	Seq. Line	: 5
Acq. Instrument	: 3336A52146	Location	: Vial 5
Injection Date	: 12/13/2017 2:24:31 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

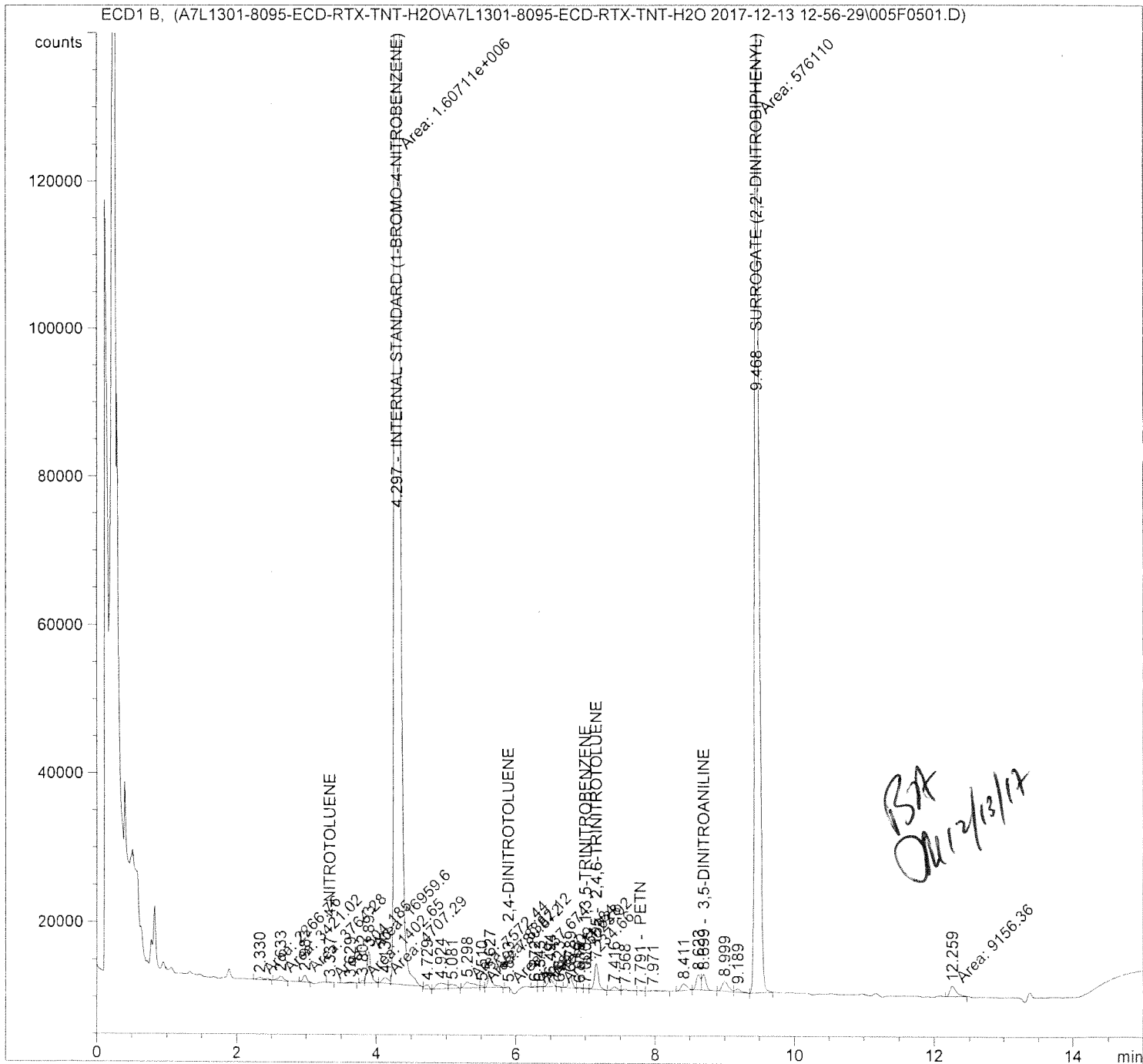
Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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	: JJK	Seq. Line	: 5
Acq. Instrument	: 3336A52146	Location	: Vial 5
Injection Date	: 12/13/2017 2:24:31 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.172	1		1	-	-	-		NITROBENZENE
2.857	1		1	-	-	-		2-NITROTOLUENE
3.180	1		1	-	-	-		3-NITROTOLUENE
3.337	1	MM	1	74.36848	8.33132	2.00947e-4		4-NITROTOLUENE
4.297	1	FM +I	1	3.85417e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.586	1		1	-	-	-		NITROGLYCERIN
5.209	1		1	-	-	-		1,3-DINITROBENZENE
5.342	1		1	-	-	-		2,6-DINITROTOLUENE
5.893	1	MM	1	139.56172	4.52339e-1	2.04743e-5		2,4-DINITROTOLUENE
6.299	1		1	-	-	-		3,4-DINITROTOLUENE
7.000	1	VV	1	117.28545	8.96366e-1	3.40964e-5		1,3,5-TRINITROBENZENE
7.155	1	VB	1	3470.36865	6.08474e-1	6.84852e-4		2,4,6-TRINITROTOLUENE
7.791	1	VB	1	112.64982	1.38366	5.05521e-5		PETN
8.101	1		1	-	-	-		RDX
8.647	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.699	1	VB	1	2104.55127	4.90077e-1	3.34505e-4		3,5-DINITROANILINE
8.962	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.468	1	MM +	1	1.34164e5	9.04137e-1	3.93412e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.570	1		1	-	-	-		TETRYL
12.202	1		1	-	-	-		HMX

=====

Acq. Operator	: JJK	Seq. Line	: 5
Acq. Instrument	: 3336A52146	Location	: Vial 5
Injection Date	: 12/13/2017 2:24:31 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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.		

=====

Totals without ISTD(s) : 4.06667e-2

2 Warnings or Errors :

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

=====

*** End of Report ***

Sample Name: A712034-BLK1

=====

Acq. Operator : jjk Seq. Line : 5
Acq. Instrument : 3337G12416 Location : Vial 5
Injection Date : 12/13/2017 2:26:47 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

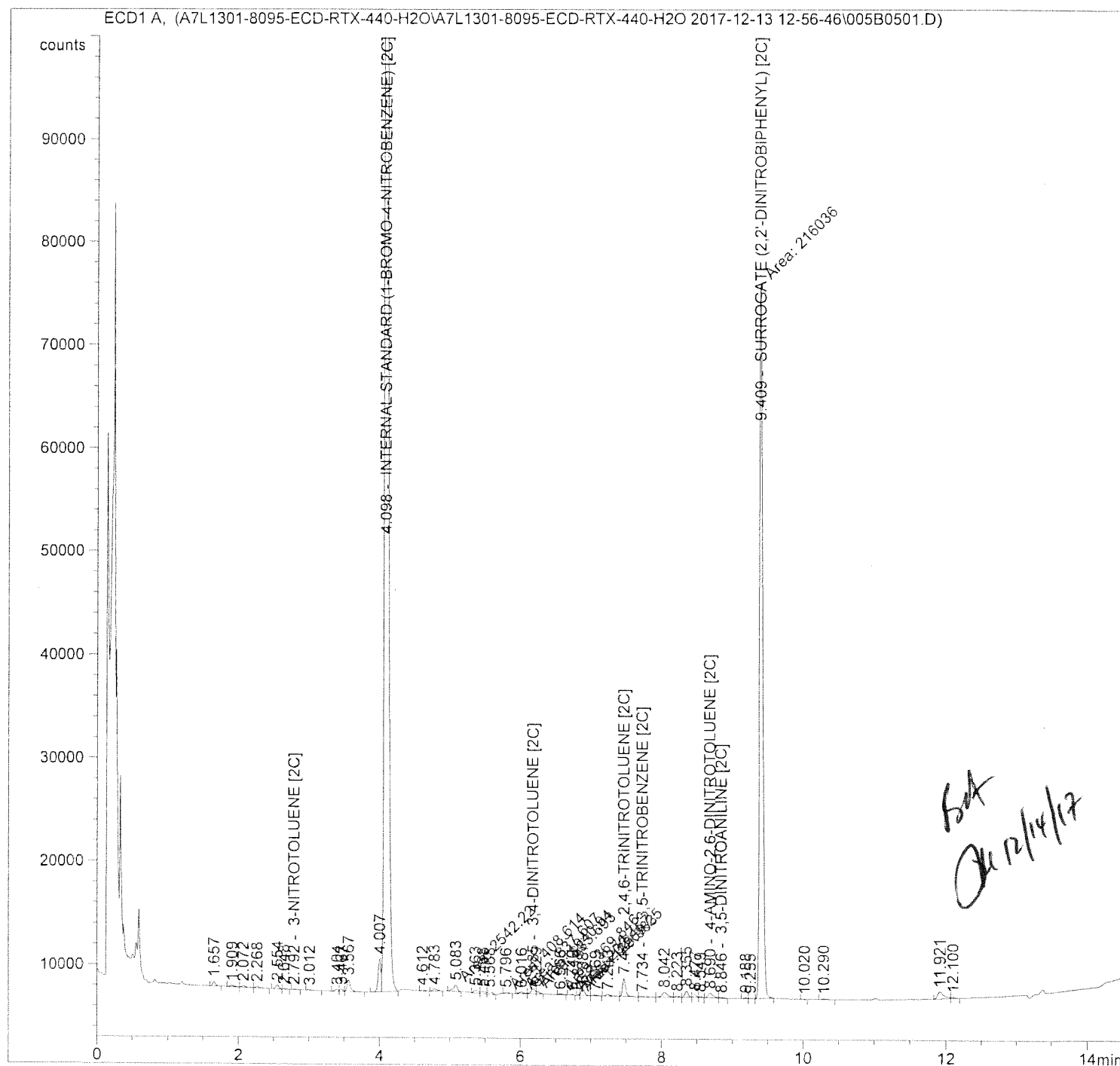
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 5
Acq. Instrument	: 3337G12416	Location	: Vial 5
Injection Date	: 12/13/2017 2:26:47 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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 : Tuesday, December 12, 2017 2:01:29 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
1.789	1		1	-	-	-		NITROBENZENE [2C]
2.459	1		1	-	-	-		2-NITROTOLUENE [2C]
2.792	1	BB	1	37.09119	2.72714	6.53226e-5		3-NITROTOLUENE [2C]
2.979	1		1	-	-	-		4-NITROTOLUENE [2C]
4.098	1	VB +I	1	1.93564e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.488	1		1	-	-	-		NITROGLYCERIN [2C]
5.202	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.261	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.893	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.185	1	FM	1	449.04819	3.45615e-1	1.00224e-4		3,4-DINITROTOLUENE [2C]
7.473	1	BV	1	1723.14038	7.03921e-1	7.83303e-4		2,4,6-TRINITROTOLUENE [2C]
7.734	1	VB	1	47.94293	1.08783	3.36799e-5		1,3,5-TRINITROBENZENE [2C]
7.775	1		1	-	-	-		PETN [2C]
8.335	1		1	-	-	-		RDX [2C]
8.690	1	BV	1	438.30334	5.87986e-1	1.66428e-4		4-AMINO-2,6-DINITROTOLUENE [2C]
8.846	1	VB	1	76.72473	6.07290e-1	3.00896e-5		3,5-DINITROANILINE [2C]
9.026	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.409	1	MM +	1	6.92090e4	9.60539e-1	4.29302e-2		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.887	1		1	-	-	-		TETRYL [2C]
12.855	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 4.41092e-2

Sample Name: A712034-BLK1

```
=====
Acq. Operator   : jjk                      Seq. Line :    5
Acq. Instrument : 3337G12416              Location  : Vial 5
Injection Date  : 12/13/2017 2:26:47 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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 : Calibrated compound(s) not found

=====

*** End of Report ***

LCS / LCS DUPLICATE RECOVERY

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Matrix: Water

Batch: A712034

Laboratory ID: A712034-BS1

Preparation: EPA 3511

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	2.14	85.5	70 - 130
2-Amino-4,6-dinitrotoluene [2C]	2.500	2.34	93.7	70 - 130
4-Amino-2,6-dinitrotoluene	2.500	2.27	90.9	70 - 130
4-Amino-2,6-dinitrotoluene [2C]	2.500	2.40	96.1	70 - 130
3,5-Dinitroaniline	2.500	2.10	84.0	70 - 130
3,5-Dinitroaniline [2C]	2.500	2.28	91.4	70 - 130
1,3-Dinitrobenzene	2.500	2.21	88.3	70 - 130
1,3-Dinitrobenzene [2C]	2.500	2.38	95.2	70 - 130
2,6-Dinitrotoluene	2.500	2.35	94.0	70 - 130
2,6-Dinitrotoluene [2C]	2.500	2.39	95.6	70 - 130
2,4-Dinitrotoluene	2.500	2.27	90.7	70 - 130
2,4-Dinitrotoluene [2C]	2.500	2.36	94.6	70 - 130
HMX	2.500	2.02	80.8	70 - 130
HMX [2C]	2.500	2.58	103	70 - 130
Nitroglycerin	2.500	2.27	90.7	70 - 130
Nitroglycerin [2C]	2.500	2.36	94.6	70 - 130
3-Nitrotoluene	2.500	2.43	97.3	70 - 130
3-Nitrotoluene [2C]	2.500	2.46	98.3	70 - 130
4-Nitrotoluene	2.500	2.54	102	70 - 130
4-Nitrotoluene [2C]	2.500	2.48	99.2	70 - 130
PETN	2.500	2.03	81.4	70 - 130
PETN [2C]	2.500	2.36	94.5	70 - 130
RDX	2.500	2.17	86.9	70 - 130
RDX [2C]	2.500	2.37	94.6	70 - 130
Tetryl	2.500	2.29	91.7	70 - 130
Tetryl [2C]	2.500	2.23	89.3	70 - 130
1,3,5-Trinitrobenzene	2.500	2.17	86.7	70 - 130
1,3,5-Trinitrobenzene [2C]	2.500	2.37	94.8	70 - 130
2,4,6-Trinitrotoluene	2.500	2.85	114	70 - 130
2,4,6-Trinitrotoluene [2C]	2.500	2.99	119	70 - 130

=====

Acq. Operator : JJK Seq. Line : 8
Acq. Instrument : 3336A52146 Location : Vial 8
Injection Date : 12/13/2017 3:28:38 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

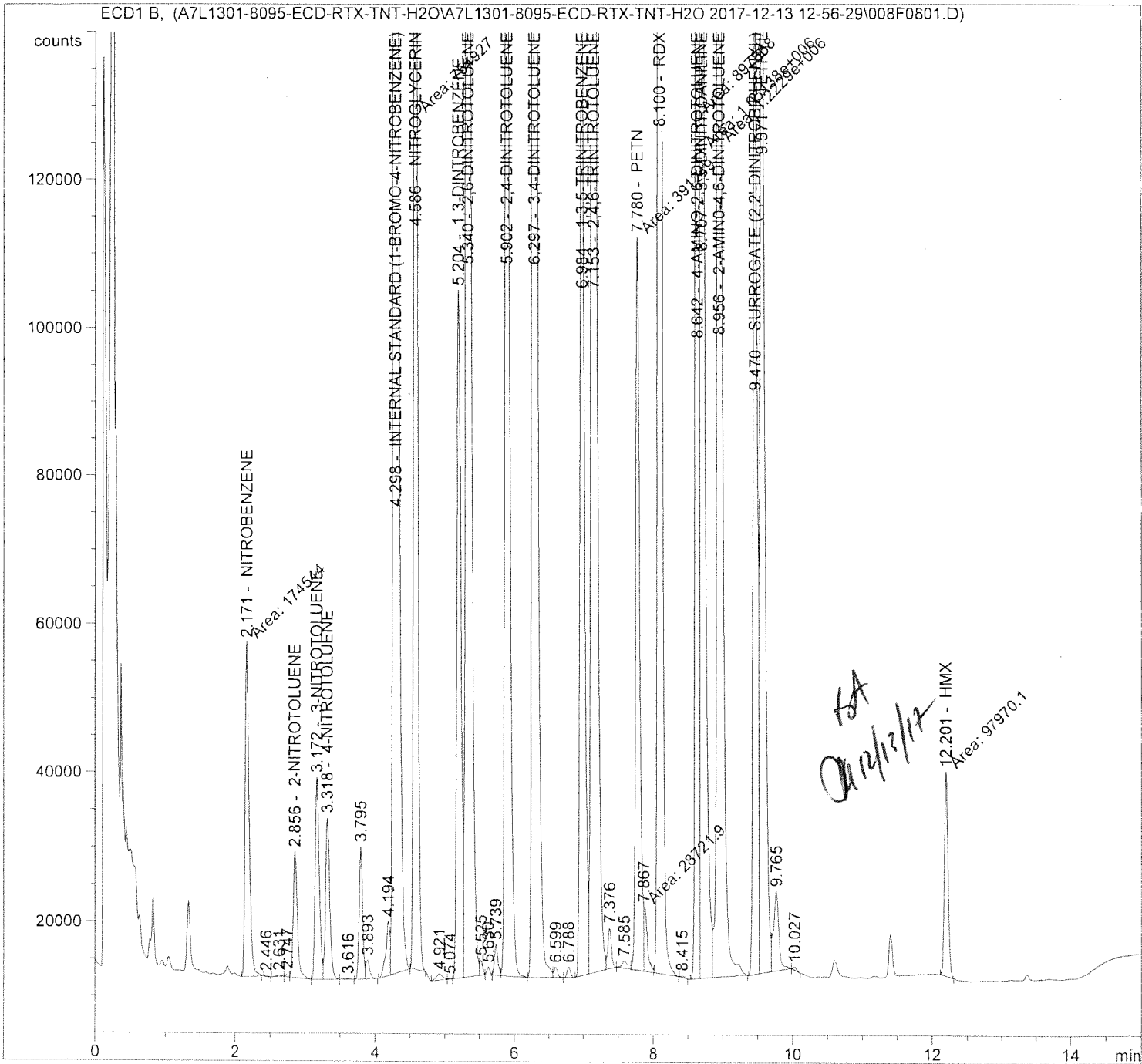
Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====



=====

Acq. Operator	: JJK	Seq. Line	: 8
Acq. Instrument	: 3336A52146	Location	: Vial 8
Injection Date	: 12/13/2017 3:28:38 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.171	1	MM	1	4.49071e4	6.24576	9.47293e-2		NITROBENZENE
2.856	1	VB	1	1.68591e4	17.42911	9.92416e-2		2-NITROTOLUENE
3.172	1	BV	1	2.70797e4	10.63447	9.72620e-2		3-NITROTOLUENE
3.318	1	VB	1	2.15920e4	13.93101	1.01592e-1		4-NITROTOLUENE
4.298	1	VB +I	1	3.70106e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.586	1	MM	1	2.25979e5	1.18780	9.06558e-2		NITROGLYCERIN
5.204	1	BV	1	9.26231e4	2.82395	8.83407e-2		1,3-DINITROBENZENE
5.340	1	VV	1	3.59224e5	7.74537e-1	9.39706e-2		2,6-DINITROTOLUENE
5.902	1	VB	1	1.92684e5	1.39408	9.07232e-2		2,4-DINITROTOLUENE
6.297	1	BV	1	3.86473e5	7.31494e-1	9.54804e-2		3,4-DINITROTOLUENE
6.984	1	BV	1	1.40633e5	1.82623	8.67414e-2		1,3,5-TRINITROBENZENE
7.153	1	VV	1	3.53209e5	9.54828e-1	1.13905e-1		2,4,6-TRINITROTOLUENE
7.780	1	MF	1	9.86344e4	2.44283	8.13776e-2		PETN
8.100	1	VB	1	3.69781e5	6.95488e-1	8.68597e-2		RDX
8.642	1	MF	1	2.49232e5	1.07943	9.08617e-2		4-AMINO-2,6-DINITROTOLUENE
8.707	1	FM	1	2.45717e5	1.01278	8.40490e-2		3,5-DINITROANILINE
8.956	1	FM	1	2.71070e5	9.33790e-1	8.54898e-2		2-AMINO-4,6-DINITROTOLUENE
9.470	1	BV +	1	1.35201e5	9.08230e-1	4.14725e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.571	1	VV	1	1.50794e5	1.80038	9.16921e-2		TETRYL
12.201	1	MM	1	2.72479e4	8.77798	8.07815e-2		HMX

=====

Acq. Operator	: JJK	Seq. Line	: 8
Acq. Instrument	: 3336A52146	Location	: Vial 8
Injection Date	: 12/13/2017 3:28:38 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

Totals without ISTD(s) : 1.69523

1 Warnings or Errors :

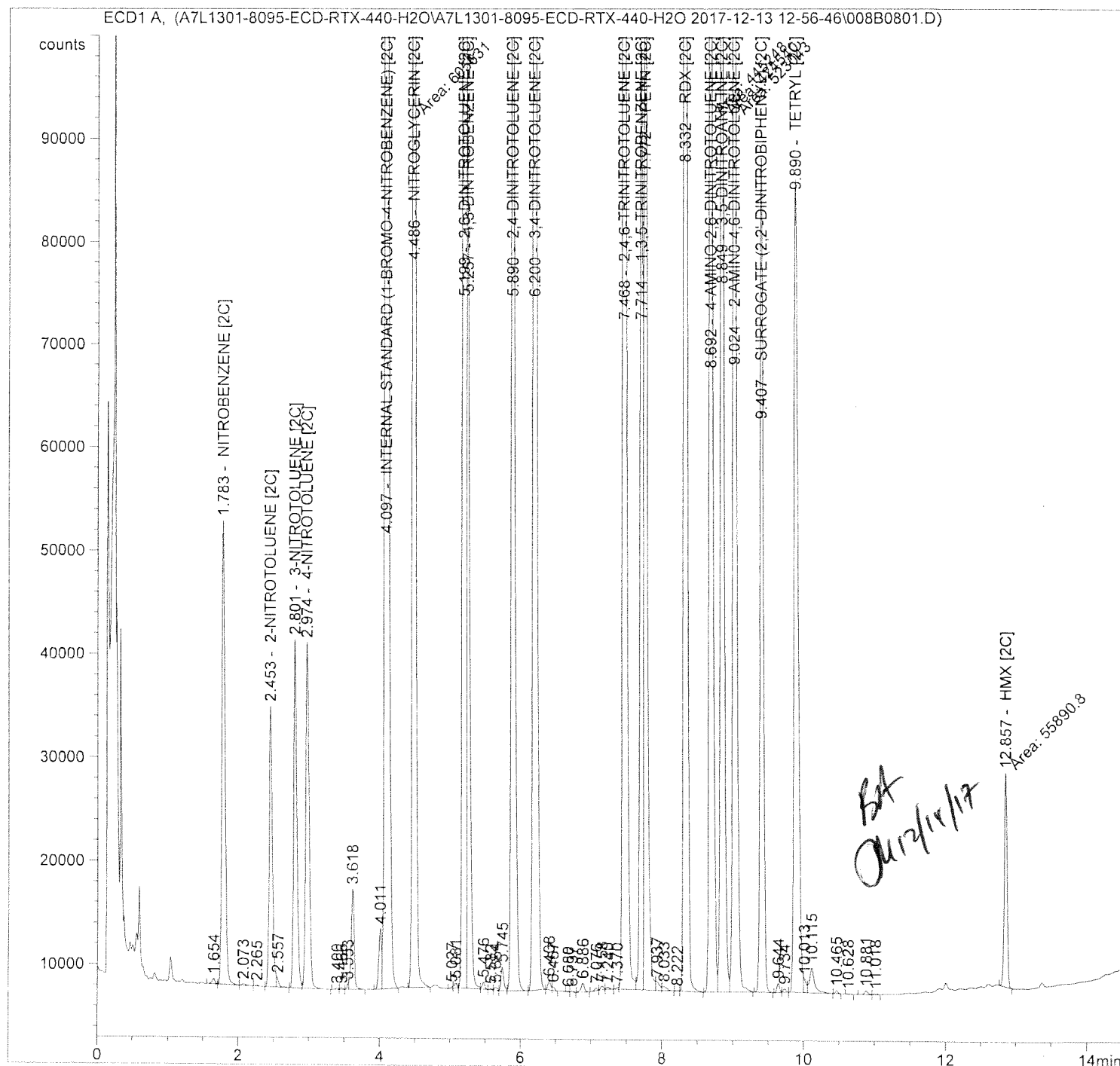
Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

Sample Name: A712034-BS1

```
=====
Acq. Operator   : jjk                               Seq. Line :    8
Acq. Instrument : 3337G12416                         Location  : Vial 8
Injection Date  : 12/13/2017 3:32:22 PM              Inj       :    1
                                                Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 8
Acq. Instrument	: 3337G12416	Location	: Vial 8
Injection Date	: 12/13/2017 3:32:22 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

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

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.783	1	VV	1	4.48191e4	3.72095	9.38593e-2		NITROBENZENE [2C]
2.453	1	BV	1	2.71018e4	6.18303	9.43104e-2		2-NITROTOLUENE [2C]
2.801	1	BV	1	3.36559e4	5.18762	9.82632e-2		3-NITROTOLUENE [2C]
2.974	1	VB	1	3.33848e4	5.27966	9.92009e-2		4-NITROTOLUENE [2C]
4.097	1	VB +I	1	2.22100e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.486	1	MM	1	2.24344e5	7.48966e-1	9.45665e-2		NITROGLYCERIN [2C]
5.199	1	BV	1	2.20318e5	7.71246e-1	9.56322e-2		2,6-DINITROTOLUENE [2C]
5.257	1	VV B	1	7.44773e4	2.27164	9.52190e-2		1,3-DINITROBENZENE [2C]
5.890	1	VB	1	1.19569e5	1.40525	9.45655e-2		2,4-DINITROTOLUENE [2C]
6.200	1	BB	1	2.38375e5	7.44228e-1	9.98452e-2		3,4-DINITROTOLUENE [2C]
7.468	1	VV	1	2.21216e5	9.59703e-1	1.19485e-1		2,4,6-TRINITROTOLUENE [2C]
7.714	1	VV	1	9.18220e4	1.83420	9.47881e-2		1,3,5-TRINITROBENZENE [2C]
7.772	1	VV	1	1.19917e5	1.40075	9.45374e-2		PETN [2C]
8.332	1	VB	1	2.43318e5	6.90837e-1	9.46043e-2		RDX [2C]
8.692	1	MF	1	1.39997e5	1.21974	9.61057e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.849	1	FM	1	1.36396e5	1.19000	9.13508e-2		3,5-DINITROANILINE [2C]
9.024	1	FM	1	1.62670e5	1.02334	9.36891e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.407	1	BB +	1	8.05876e4	9.61014e-1	4.35872e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.890	1	BV	1	7.84723e4	2.02086	8.92509e-2		TETRYL [2C]
12.857	1	MM	1	2.04197e4	8.96381	1.03015e-1		HMX [2C]

Totals without ISTD(s) : 1.78588

Handwritten signature: 12/14/17

Sample Name: A712034-BS1

```
=====
Acq. Operator   : jjk                               Seq. Line :    8
Acq. Instrument : 3337G12416                         Location  : Vial 8
Injection Date  : 12/13/2017 3:32:22 PM              Inj       :    1
                                                    Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8095

PW-955-121117

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Matrix: Water

Batch: A712034

% Solids:

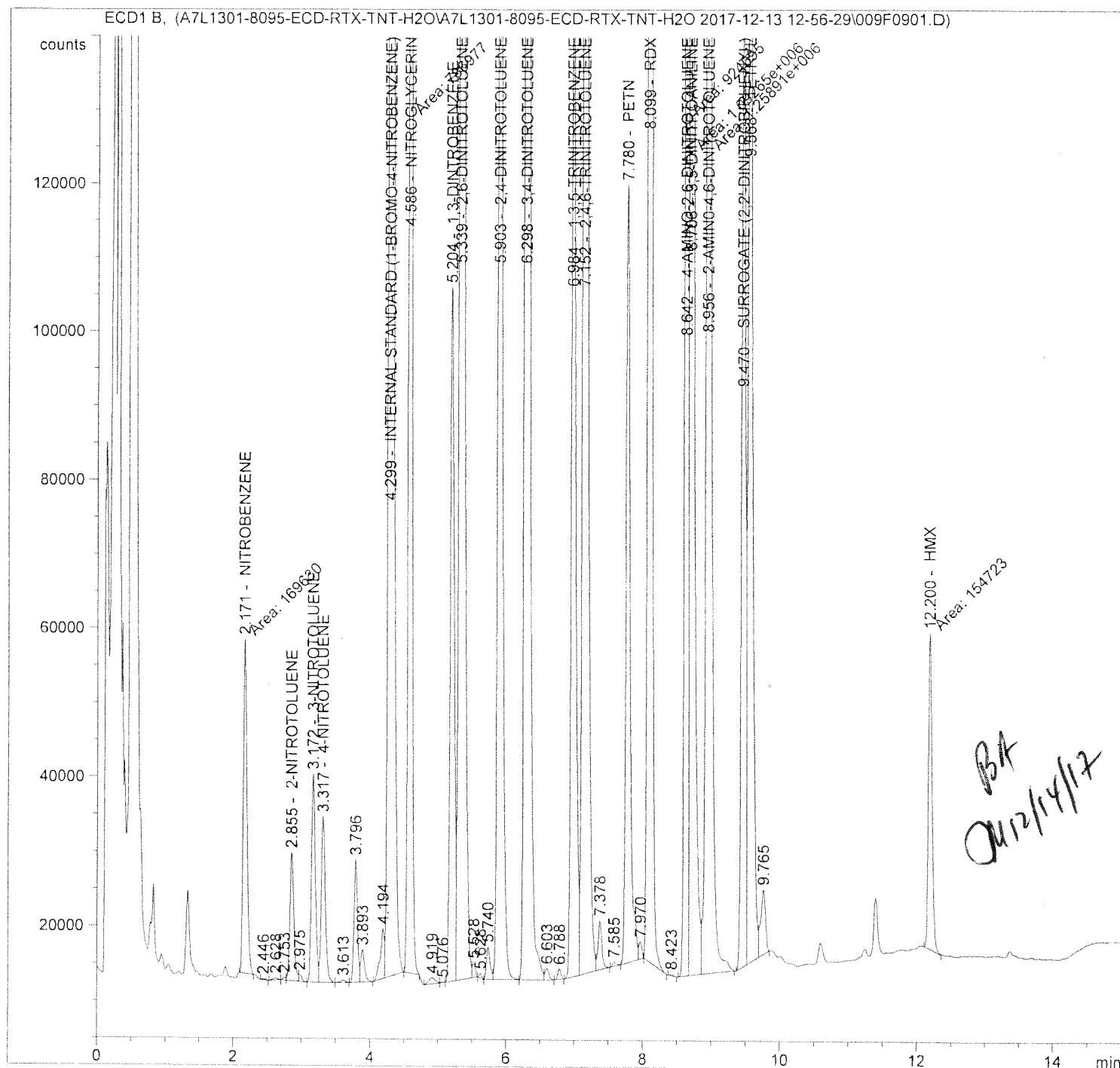
Source Sample Name: A175003-01

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	2.25	89.9		70 - 130
2-Amino-4,6-dinitrotoluene [2C]	2.500	ND	2.19	87.6		70 - 130
4-Amino-2,6-dinitrotoluene	2.500	ND	2.33	93.0		70 - 130
4-Amino-2,6-dinitrotoluene [2C]	2.500	ND	2.25	90.0		70 - 130
3,5-Dinitroaniline	2.500	0.00577	2.21	88.1		70 - 130
3,5-Dinitroaniline [2C]	2.500	ND	2.15	85.9		70 - 130
1,3-Dinitrobenzene	2.500	ND	2.19	87.8		70 - 130
1,3-Dinitrobenzene [2C]	2.500	ND	2.30	92.1		70 - 130
2,6-Dinitrotoluene	2.500	ND	2.36	94.6		70 - 130
2,6-Dinitrotoluene [2C]	2.500	ND	2.34	93.4		70 - 130
2,4-Dinitrotoluene	2.500	ND	2.30	92.1		70 - 130
2,4-Dinitrotoluene [2C]	2.500	ND	2.29	91.6		70 - 130
HMX	2.500	ND	3.08	123		70 - 130
HMX [2C]	2.500	ND	2.79	112		70 - 130
Nitroglycerin	2.500	ND	2.29	91.8		70 - 130
Nitroglycerin [2C]	2.500	ND	2.28	91.3		70 - 130
3-Nitrotoluene	2.500	ND	2.47	98.9		70 - 130
3-Nitrotoluene [2C]	2.500	0.00345	2.43	97.1		70 - 130
4-Nitrotoluene	2.500	ND	2.57	103		70 - 130
4-Nitrotoluene [2C]	2.500	ND	2.46	98.4		70 - 130
PETN	2.500	0.00464	2.14	85.4		70 - 130
PETN [2C]	2.500	ND	2.25	89.9		70 - 130
RDX	2.500	ND	2.21	88.4		70 - 130
RDX [2C]	2.500	ND	2.26	90.3		70 - 130
Tetryl	2.500	ND	2.32	92.8		70 - 130
Tetryl [2C]	2.500	ND	2.07	82.7		70 - 130
1,3,5-Trinitrobenzene	2.500	ND	2.22	88.8		70 - 130
1,3,5-Trinitrobenzene [2C]	2.500	0.00469	2.28	90.8		70 - 130
2,4,6-Trinitrotoluene	2.500	0.0103	2.84	113		70 - 130
2,4,6-Trinitrotoluene [2C]	2.500	0.0110	2.82	112		70 - 130

=====

Acq. Operator	: JJK	Seq. Line	: 9
Acq. Instrument	: 3336A52146	Location	: Vial 9
Injection Date	: 12/13/2017 3:49:55 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:23:17 PM by JJK		
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	: JJK	Seq. Line	: 9
Acq. Instrument	: 3336A52146	Location	: Vial 9
Injection Date	: 12/13/2017 3:49:55 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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 : 12/12/2017 8:33:54 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			
2.171	1	MM	1	4.48362e4	6.23661	9.32665e-2		NITROBENZENE
2.855	1	VV	1	1.71125e4	17.43144	9.94935e-2		2-NITROTOLUENE
3.172	1	BV	1	2.78380e4	10.65558	9.89381e-2		3-NITROTOLUENE
3.317	1	VB	1	2.20982e4	13.94437	1.02779e-1		4-NITROTOLUENE
4.299	1	VB +I	1	3.74768e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.586	1	MM	1	2.31490e5	1.18879	9.17878e-2		NITROGLYCERIN
5.204	1	BV	1	9.32639e4	2.82230	8.77938e-2		1,3-DINITROBENZENE
5.339	1	VV	1	3.65818e5	7.75123e-1	9.45765e-2		2,6-DINITROTOLUENE
5.903	1	VB	1	1.97674e5	1.39690	9.21008e-2		2,4-DINITROTOLUENE
6.298	1	BV	1	4.02728e5	7.33803e-1	9.85688e-2		3,4-DINITROTOLUENE
6.984	1	BV	1	1.45457e5	1.83010	8.87889e-2		1,3,5-TRINITROBENZENE
7.152	1	VV	1	3.57008e5	9.54660e-1	1.13677e-1		2,4,6-TRINITROTOLUENE
7.780	1	BV	1	1.04624e5	2.45231	8.55761e-2		PETN
8.099	1	BB	1	3.81147e5	6.95493e-1	8.84165e-2		RDX
8.642	1	MF	1	2.57597e5	1.08277	9.30308e-2		4-AMINO-2,6-DINITROTOLUENE
8.706	1	MF	1	2.59721e5	1.01937	8.83052e-2		3,5-DINITROANILINE
8.956	1	FM	1	2.86640e5	9.39838e-1	8.98540e-2		2-AMINO-4,6-DINITROTOLUENE
9.470	1	BV +	1	1.34592e5	9.06783e-1	4.07072e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.568	1	VV	1	1.55025e5	1.79478	9.28029e-2		TETRYL
12.200	1	MM	1	4.22681e4	8.73327	1.23123e-1		HMX

Totals without ISTD(s) : 1.76359

Sample Name: A712034-MS1

```
=====
Acq. Operator   : JJK                               Seq. Line :    9
Acq. Instrument : 3336A52146                         Location  : Vial 9
Injection Date  : 12/13/2017 3:49:55 PM              Inj       :    1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-
                  H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:23:17 PM by JJK
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 :

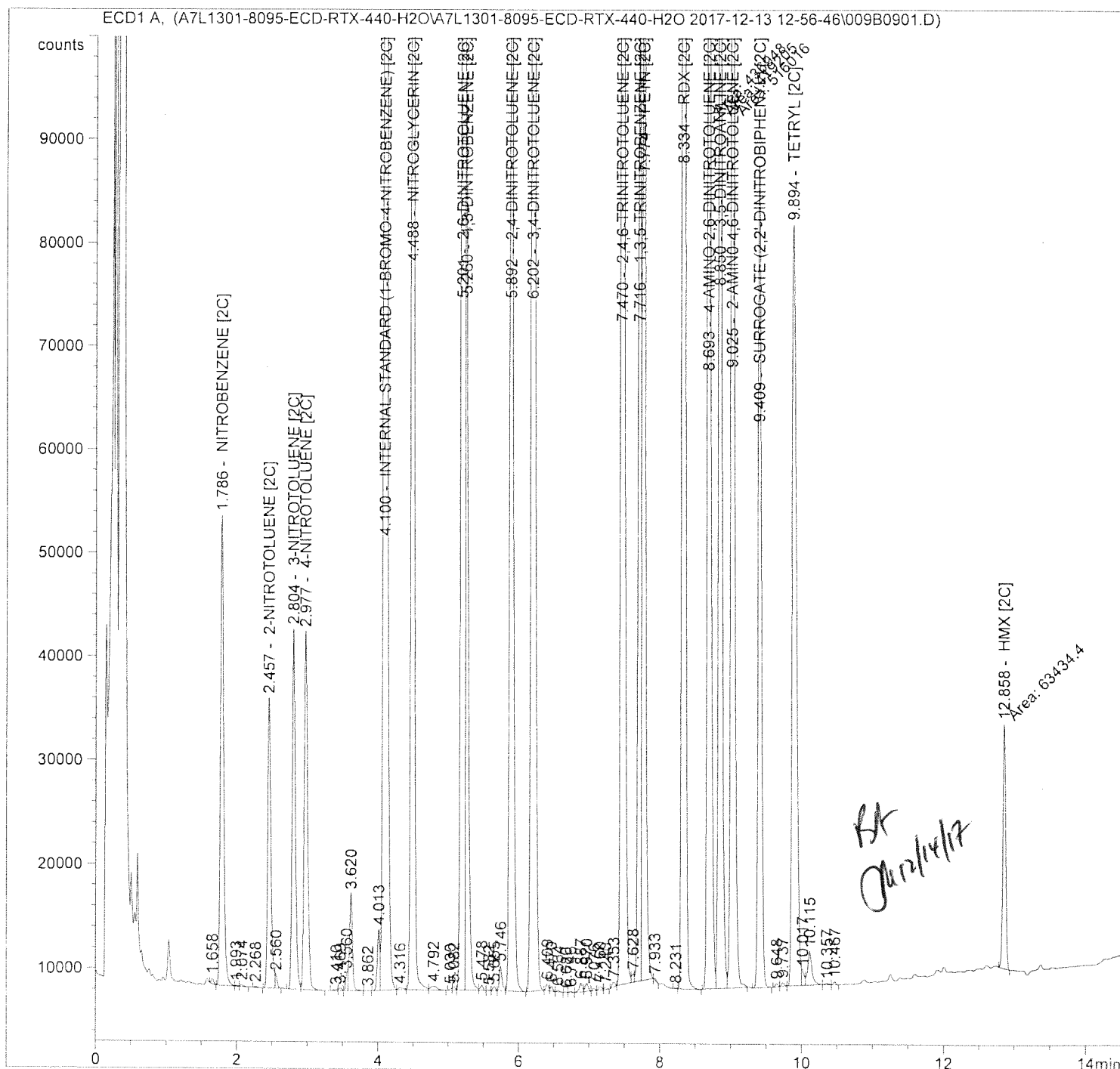
Warning : Calibration warnings (see calibration table listing)

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

=====

Acq. Operator	: jjk	Seq. Line	: 9
Acq. Instrument	: 3337G12416	Location	: Vial 9
Injection Date	: 12/13/2017 3:54:12 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M		
Last changed	: 11/9/2017 1:20:54 PM by JJK		
Analysis Method	: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M		
Last changed	: 12/12/2017 2:02:33 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 CYCLOSPPLITTER LINER ANND GOLD SEAL. INJECTION 2 UL.		

=====



=====

Acq. Operator	: jjk	Seq. Line	: 9
Acq. Instrument	: 3337G12416	Location	: Vial 9
Injection Date	: 12/13/2017 3:54:12 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
---------------	-----	------	-----------	-----------------	------------------	--------	-----	------

1.786	1	BV	1	4.52425e4	3.71024	9.08975e-2		NITROBENZENE [2C]
2.457	1	BV	1	2.78605e4	6.17900	9.32204e-2		2-NITROTOLUENE [2C]
2.804	1	BV	1	3.46500e4	5.18289	9.72477e-2		3-NITROTOLUENE [2C]
2.977	1	VB	1	3.44461e4	5.27659	9.84230e-2		4-NITROTOLUENE [2C]
4.100	1	VB +I	1	2.30838e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.488	1	VV	1	2.25434e5	7.48048e-1	9.13171e-2		NITROGLYCERIN [2C]
5.201	1	BV	1	2.24224e5	7.69558e-1	9.34386e-2		2,6-DINITROTOLUENE [2C]
5.260	1	VV B	1	7.50915e4	2.26577	9.21320e-2		1,3-DINITROBENZENE [2C]
5.892	1	VB	1	1.20722e5	1.40065	9.15631e-2		2,4-DINITROTOLUENE [2C]
6.202	1	BB	1	2.42851e5	7.42371e-1	9.76258e-2		3,4-DINITROTOLUENE [2C]
7.470	1	BV	1	2.17668e5	9.56256e-1	1.12713e-1		2,4,6-TRINITROTOLUENE [2C]
7.716	1	VV	1	9.18719e4	1.82929	9.10058e-2		1,3,5-TRINITROBENZENE [2C]
7.774	1	VB	1	1.18773e5	1.39789	8.99072e-2		PETN [2C]
8.334	1	VB	1	2.41360e5	6.90695e-1	9.02726e-2		RDX [2C]
8.693	1	MF	1	1.37296e5	1.21059	9.00034e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.850	1	MF	1	1.34015e5	1.18389	8.59150e-2		3,5-DINITROANILINE [2C]
9.025	1	FM	1	1.58918e5	1.01776	8.75829e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.409	1	BB +	1	7.93585e4	9.59272e-1	4.12229e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.894	1	BV	1	7.32571e4	2.08369	8.26584e-2		TETRYL [2C]
12.858	1	MM	1	2.34123e4	8.81547	1.11762e-1		HMX [2C]

Totals without ISTD(s) : 1.72891

Sample Name: A712034-MS1

```
=====
Acq. Operator   : jjk                      Seq. Line :    9
Acq. Instrument : 3337G12416              Location  : Vial 9
Injection Date  : 12/13/2017 3:54:12 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8095

PW-955-121117

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Matrix: Water
 Batch: A712034

SDG: A175003
 Project: Ashland Kenvil - Kenvil, NJ

% Solids:

Source Sample Name: A175003-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
2-Amino-4,6-dinitrotoluene	2.500	2.18	87.3	2.94		20	70 - 130
2-Amino-4,6-dinitrotoluene [2C]	2.500	2.21	88.5	1.03		20	70 - 130
4-Amino-2,6-dinitrotoluene	2.500	2.27	90.7	2.53		20	70 - 130
4-Amino-2,6-dinitrotoluene [2C]	2.500	2.26	90.6	0.650		20	70 - 130
3,5-Dinitroaniline	2.500	2.12	84.4	4.28		20	70 - 130
3,5-Dinitroaniline [2C]	2.500	2.05	82.1	4.52		20	70 - 130
1,3-Dinitrobenzene	2.500	2.14	85.4	2.72		20	70 - 130
1,3-Dinitrobenzene [2C]	2.500	2.28	91.2	0.971		20	70 - 130
2,6-Dinitrotoluene	2.500	2.30	92.1	2.70		20	70 - 130
2,6-Dinitrotoluene [2C]	2.500	2.35	94.1	0.658		20	70 - 130
2,4-Dinitrotoluene	2.500	2.23	89.2	3.22		20	70 - 130
2,4-Dinitrotoluene [2C]	2.500	2.25	90.2	1.51		20	70 - 130
HMX	2.500	3.40	136	9.89	M	20	70 - 130
HMX [2C]	2.500	2.64	106	5.52		20	70 - 130
Nitroglycerin	2.500	2.09	83.8	9.15		20	70 - 130
Nitroglycerin [2C]	2.500	2.29	91.7	0.434		20	70 - 130
3-Nitrotoluene	2.500	2.20	87.9	11.8		20	70 - 130
3-Nitrotoluene [2C]	2.500	2.46	98.1	0.976		20	70 - 130
4-Nitrotoluene	2.500	2.63	105	2.37		20	70 - 130
4-Nitrotoluene [2C]	2.500	2.51	100	1.96		20	70 - 130
PETN	2.500	2.11	84.2	1.42		20	70 - 130
PETN [2C]	2.500	2.30	92.1	2.46		20	70 - 130
RDX	2.500	2.19	87.6	0.976		20	70 - 130
RDX [2C]	2.500	2.26	90.4	0.168		20	70 - 130
Tetryl	2.500	2.24	89.4	3.68		20	70 - 130
Tetryl [2C]	2.500	2.07	82.7	0.0131		20	70 - 130
1,3,5-Trinitrobenzene	2.500	2.13	85.2	4.15		20	70 - 130
1,3,5-Trinitrobenzene [2C]	2.500	2.18	87.1	4.22		20	70 - 130
2,4,6-Trinitrotoluene	2.500	2.73	109	3.90		20	70 - 130
2,4,6-Trinitrotoluene [2C]	2.500	2.72	108	3.55		20	70 - 130

Acq. Operator : JJK
Acq. Instrument : 3336A52146
Injection Date : 12/13/2017 4:39:20 PM

Seq. Line : 1
Location : Vial 10
Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301A8095-ECD-RTX-TNT-H2O\A7L1301A8095-ECD-RTX-TNT-H2O 2017-12-13 16-36-42\8095-ECD-RTX-TNT.M

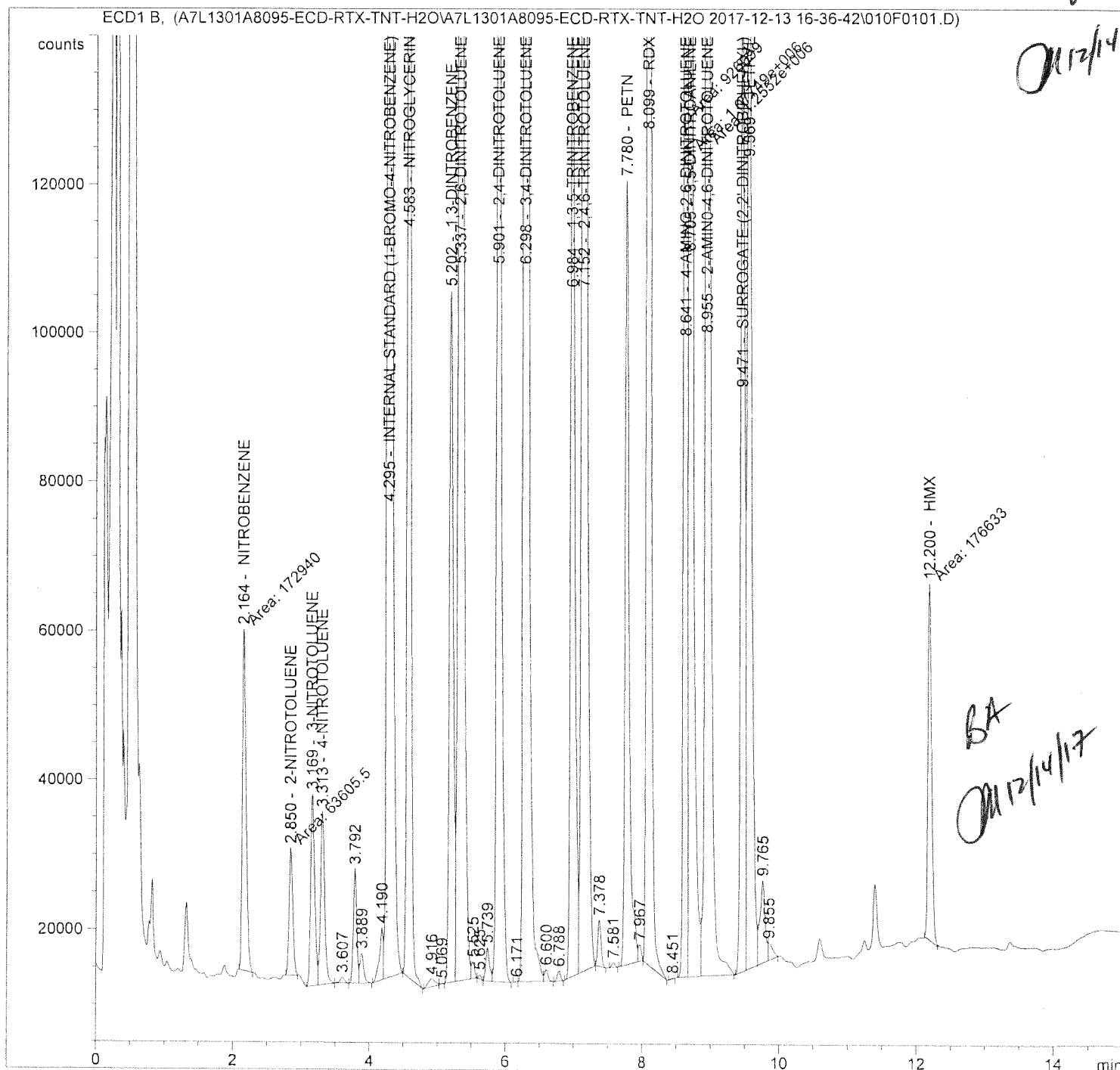
Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

*Restarted
sequence
after
computer
locked
up
during
acquisition*



=====

Acq. Operator	: JJK	Seq. Line	: 1
Acq. Instrument	: 3336A52146	Location	: Vial 10
Injection Date	: 12/13/2017 4:39:20 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301A8095-ECD-RTX-TNT-H2O\A7L1301A8095-ECD-RTX-TNT-H2O 2017-12-13 16-36-42\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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 : 12/12/2017 8:33:54 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
2.164	1	MM	1	4.56445e4	6.23706	9.33379e-2		NITROBENZENE
2.850	1	MM	1	1.68754e4	17.40129	9.62775e-2		2-NITROTOLUENE
3.169	1	BV	1	2.55082e4	10.51031	8.78992e-2		3-NITROTOLUENE
3.313	1	VB	1	2.29750e4	13.97168	1.05243e-1		4-NITROTOLUENE
4.295	1	VB +I	1	3.81259e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.583	1	BB	1	2.16213e5	1.18153	8.37561e-2		NITROGLYCERIN
5.202	1	BV	1	9.25722e4	2.81505	8.54392e-2		1,3-DINITROBENZENE
5.337	1	VV	1	3.63400e5	7.72670e-1	9.20597e-2		2,6-DINITROTOLUENE
5.901	1	VB	1	1.95561e5	1.39088	8.91785e-2		2,4-DINITROTOLUENE
6.298	1	BV	1	3.97055e5	7.31278e-1	9.51970e-2		3,4-DINITROTOLUENE
6.984	1	BV	1	1.42502e5	1.82323	8.51827e-2		1,3,5-TRINITROBENZENE
7.152	1	VB	1	3.50508e5	9.51387e-1	1.09332e-1		2,4,6-TRINITROTOLUENE
7.780	1	BV	1	1.05050e5	2.44963	8.43700e-2		PETN
8.099	1	BB	1	3.83985e5	6.95490e-1	8.75578e-2		RDX
8.641	1	MF	1	2.56357e5	1.07918	9.07047e-2		4-AMINO-2,6-DINITROTOLUENE
8.705	1	FM	1	2.54581e5	1.01366	8.46073e-2		3,5-DINITROANILINE
8.955	1	FM	1	2.84236e5	9.36261e-1	8.72500e-2		2-AMINO-4,6-DINITROTOLUENE
9.471	1	BV +	1	1.34941e5	9.05546e-1	4.00630e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.569	1	VV	1	1.50567e5	1.81196	8.94476e-2		TETRYL
12.200	1	MM	1	4.75289e4	8.72281	1.35927e-1		HMX

Totals without ISTD(s) : 1.72283

Handwritten signature and date: 12/14/17

=====

Acq. Operator	: JJK	Seq. Line	: 1
Acq. Instrument	: 3336A52146	Location	: Vial 10
Injection Date	: 12/13/2017 4:39:20 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301A8095-ECD-RTX-TNT-H2O\A7L1301A8095-ECD-RTX-TNT-H2O 2017-12-13 16-36-42\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:23:17 PM by JJK		
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 : jjk	Seq. Line : 1
Acq. Instrument : 3337G12416	Location : Vial 10
Injection Date : 12/13/2017 4:43:16 PM	Inj : 1
	Inj Volume : Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301A8095-ECD-RTX-440-H2O\A7L1301A8095-ECD-RTX-440-H2O 2017-12-13 16-39-14\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

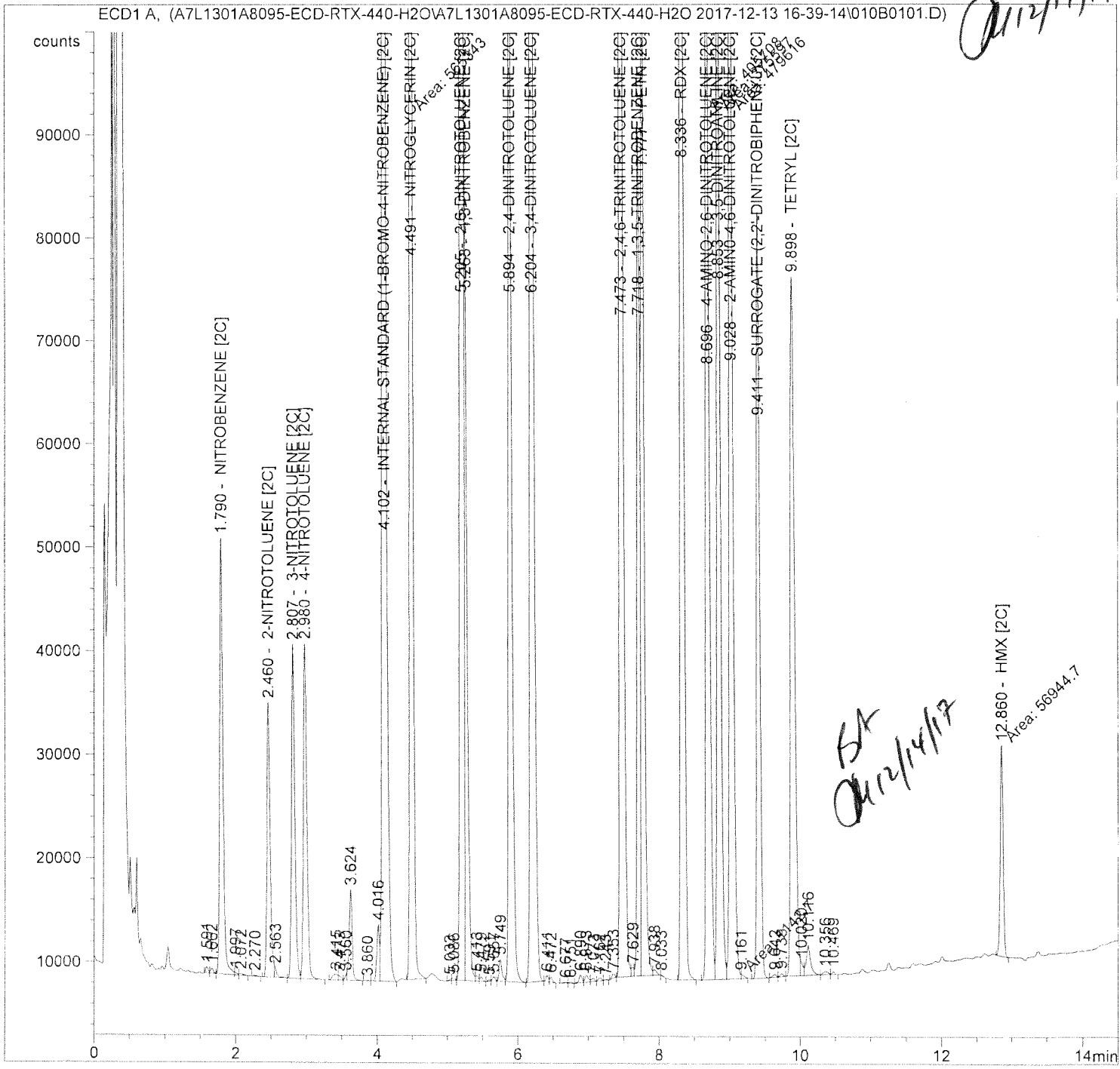
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

*Restarted
sequence
after
computer locked
up
during
acquisition
12/14/17*



=====

Acq. Operator	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 10
Injection Date	: 12/13/2017 4:43:16 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301A8095-ECD-RTX-440-H2O\A7L1301A8095-ECD-RTX-440-H2O 2017-12-13 16-39-14\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.790	1	BV	1	4.20068e4	3.71358	9.18104e-2		NITROBENZENE [2C]
2.460	1	BV	1	2.64326e4	6.19029	9.63011e-2		2-NITROTOLUENE [2C]
2.807	1	VV	1	3.21658e4	5.18734	9.82018e-2		3-NITROTOLUENE [2C]
2.980	1	VB	1	3.22746e4	5.28426	1.00375e-1		4-NITROTOLUENE [2C]
4.102	1	VB +I	1	2.12388e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.491	1	MM	1	2.08287e5	7.48162e-1	9.17144e-2		NITROGLYCERIN [2C]
5.205	1	BV	1	2.07535e5	7.70036e-1	9.40551e-2		2,6-DINITROTOLUENE [2C]
5.263	1	VV B	1	6.84743e4	2.26405	9.12416e-2		1,3-DINITROBENZENE [2C]
5.894	1	VB	1	1.09581e5	1.39851	9.01945e-2		2,4-DINITROTOLUENE [2C]
6.204	1	BB	1	2.19192e5	7.40592e-1	9.55397e-2		3,4-DINITROTOLUENE [2C]
7.473	1	BV	1	1.93708e5	9.54165e-1	1.08781e-1		2,4,6-TRINITROTOLUENE [2C]
7.718	1	VV	1	8.12643e4	1.82423	8.72486e-2		1,3,5-TRINITROBENZENE [2C]
7.777	1	VV	1	1.11890e5	1.39929	9.21469e-2		PETN [2C]
8.336	1	BB	1	2.22441e5	6.90700e-1	9.04241e-2		RDX [2C]
8.696	1	MF	1	1.27051e5	1.21150	9.05904e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.853	1	MF	1	1.18299e5	1.17941	8.21153e-2		3,5-DINITROANILINE [2C]
9.028	1	MF	1	1.47608e5	1.01861	8.84905e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.411	1	BB +	1	7.40783e4	9.59738e-1	4.18431e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.898	1	BV	1	6.74143e4	2.08359	8.26692e-2		TETRYL [2C]
12.860	1	MM	1	2.01542e4	8.91576	1.05756e-1		HMX [2C]

Totals without ISTD(s) : 1.71950

Handwritten signature

=====

Acq. Operator	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 10
Injection Date	: 12/13/2017 4:43:16 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301A8095-ECD-RTX-440-H2O\A7L1301A8095-ECD-RTX-440-H2O 2017-12-13 16-39-14\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

ANALYSIS SEQUENCE SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Sequence: A7L1102

Instrument: 3336A52146

Calibration: A171205

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	A7L1102-CAL1	003F0301.D.Report.TXT	12/11/17 13:48
Cal Standard	A7L1102-CAL2	004F0401.D.Report.TXT	12/11/17 14:09
Cal Standard	A7L1102-CAL3	005F0501.D.Report.TXT	12/11/17 14:30
Cal Standard	A7L1102-CAL4	006F0601.D.Report.TXT	12/11/17 14:52
Cal Standard	A7L1102-CAL5	007F0701.D.Report.TXT	12/11/17 15:13
Cal Standard	A7L1102-CAL6	008F0801.D.Report.TXT	12/11/17 15:34
Initial Cal Check	A7L1102-ICV1	010F1001.D.Report.TXT	12/11/17 16:17
Calibration Check	A7L1102-CCV1	011F1101.D.Report.TXT	12/11/17 16:38

ANALYSIS SEQUENCE SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Sequence: A7L1102

Instrument: 3337G12416

Calibration: A171205

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	A7L1102-CAL1	003B0301.D.Report.TXT	12/11/17 13:53
Cal Standard	A7L1102-CAL2	004B0401.D.Report.TXT	12/11/17 14:15
Cal Standard	A7L1102-CAL3	005B0501.D.Report.TXT	12/11/17 14:37
Cal Standard	A7L1102-CAL4	006B0601.D.Report.TXT	12/11/17 14:59
Cal Standard	A7L1102-CAL5	007B0701.D.Report.TXT	12/11/17 15:20
Cal Standard	A7L1102-CAL6	008B0801.D.Report.TXT	12/11/17 15:42
Initial Cal Check	A7L1102-ICV1	010B1001.D.Report.TXT	12/11/17 16:25
Calibration Check	A7L1102-CCV1	011B1101.D.Report.TXT	12/11/17 16:47

Sample Information :
Sample Name : A7L1102-IBL5
Method Name : 8095-ECD-RTX-TNT

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

Sample related custom fields:

Line	Location	Sample Name	Custom Field	Value
1	Vial 1	A7L1102-IBL1		No values
2	Vial 2	A7L1102-IBL2		No values
3	Vial 3	A7L1102-CAL1		No values
4	Vial 4	A7L1102-CAL2		No values
5	Vial 5	A7L1102-CAL3		No values
6	Vial 6	A7L1102-CAL4		No values
7	Vial 7	A7L1102-CAL5		No values
8	Vial 8	A7L1102-CAL6		No values
9	Vial 9	A7L1102-IBL3		No values
10	Vial 10	A7L1102-ICV1		No values
11	Vial 11	A7L1102-CCV1		No values
12	Vial 12	A7L1102-IBL4		No values
13	Vial 13	A712021-MRL1		No values
14	Vial 14	A712021-BLK1		No values
15	Vial 15	A174910-02		No values
16	Vial 16	A174910-01		No values
17	Vial 17	A712021-BS1		No values
18	Vial 18	A712021-MS1		No values
19	Vial 19	A712021-MSD1		No values
20	Vial 20	A7L1102-CCV2		No values
21	Vial 21	A7L1102-IBL5		No values
22	Vial 22			No values

ICAC

aborted 12/12/17

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\SEQUENCE\A7L1102-8095-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

Sample Information :
Sample Name : A7L1102-CCV2
Method Name : 8095-ECD-RTX-440

=====
Line : 21
Location : Vial 21
Sample Information :
Sample Name : A7L1102-IBL5
Method Name : 8095-ECD-RTX-440
=====

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

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

Sample related custom fields:

Line	Location	Sample Name	Custom Field	Value
1	Vial 1	A7L1102-IBL1		No values
2	Vial 2	A7L1102-IBL2		No values
3	Vial 3	A7L1102-CAL1		No values
4	Vial 4	A7L1102-CAL2		No values
5	Vial 5	A7L1102-CAL3		No values
6	Vial 6	A7L1102-CAL4		No values
7	Vial 7	A7L1102-CAL5		No values
8	Vial 8	A7L1102-CAL6		No values
9	Vial 9	A7L1102-IBL3		No values
10	Vial 10	A7L1102-ICV1		No values
11	Vial 11	A7L1102-CCV1		No values
12	Vial 12	A7L1102-IBL4		No values
13	Vial 13	A712021-MRL1		No values
14	Vial 14	A712021-BLK1		No values
15	Vial 15	A174910-02		No values
16	Vial 16	A174910-01		No values
17	Vial 17	A712021-BS1		No values
18	Vial 18	A712021-MS1		No values
19	Vial 19	A712021-MSD1		No values
20	Vial 20	A7L1102-CCV2		No values

ten water

not needed not in L104

12/12/17

21	Vial 21	A7L1102-IBL5	No values
22	Vial 22		No values
23	Vial 23		No values

aborted
one page

=====

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

ANALYSIS SEQUENCE SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Sequence: A7L1301

Instrument: 3336A52146

Calibration: A171205

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	A7L1301-IBL1	001F0101.D.Report.TXT	12/13/17 12:58
Instrument Blank	A7L1301-IBL2	002F0201.D.Report.TXT	12/13/17 13:20
Calibration Check	A7L1301-CCV1	003F0301.D.Report.TXT	12/13/17 13:41
Instrument Blank	A7L1301-IBL3	004F0401.D.Report.TXT	12/13/17 14:03
Blank	A712034-BLK1	005F0501.D.Report.TXT	12/13/17 14:24
PW-955-121117	A175003-01	006F0601.D.Report.TXT	12/13/17 14:45
PW-955-121117-DUP	A175003-02	007F0701.D.Report.TXT	12/13/17 15:07
LCS	A712034-BS1	008F0801.D.Report.TXT	12/13/17 15:28
PW-955-121117	A712034-MS1	009F0901.D.Report.TXT	12/13/17 15:49
PW-955-121117	A712034-MSD1	010F0101.D.Report.TXT	12/13/17 16:39
Calibration Check	A7L1301-CCV2	011F0201.D.Report.TXT	12/13/17 17:00

ANALYSIS SEQUENCE SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Sequence: A7L1301

Instrument: 3337G12416

Calibration: A171205

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Instrument Blank	A7L1301-IBL1	001B0101.D.Report.TXT	12/13/17 12:59
Instrument Blank	A7L1301-IBL2	002B0201.D.Report.TXT	12/13/17 13:20
Calibration Check	A7L1301-CCV1	003B0301.D.Report.TXT	12/13/17 13:43
Instrument Blank	A7L1301-IBL3	004B0401.D.Report.TXT	12/13/17 14:04
Blank	A712034-BLK1	005B0501.D.Report.TXT	12/13/17 14:26
PW-955-121117	A175003-01	006B0601.D.Report.TXT	12/13/17 14:48
PW-955-121117-DUP	A175003-02	007B0701.D.Report.TXT	12/13/17 15:10
LCS	A712034-BS1	008B0801.D.Report.TXT	12/13/17 15:32
PW-955-121117	A712034-MS1	009B0901.D.Report.TXT	12/13/17 15:54
PW-955-121117	A712034-MSD1	010B0101.D.Report.TXT	12/13/17 16:43
Calibration Check	A7L1301-CCV2	011B0201.D.Report.TXT	12/13/17 17:05

ANALYSIS SEQUENCE

A7L1301



Printed: 12/13/2017 3:29:58PM

Instrument: 3336A52146

Calibration ID: A171205

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
A7L1301-IBL1	BLANK EA	QC		1				
A7L1301-IBL2	BLANK EA	QC		2				
A7L1301-CCV1	8095 CCV ECD 0.04 UG/ML	QC		3		A700254	A701380	
A7L1301-IBL3	BLANK EA	QC		4				
A712034-BLK1	Blank	QC		5			A701380	
A175003-01	PW-955-121117	8095 ECD Full List	A	6			A701380	report to RL
A175003-02	PW-955-121117-DUP	8095 ECD Full List	A	7			A701380	report to RL
A712034-BS1	LCS	QC		8			A701380	
A712034-MS1	Matrix Spike	QC		9			A701380	
A712034-MSD1	Matrix Spike Dup	QC		10			A701380	
A7L1301-CCV2	8095 CCV ECD 0.04 UG/ML	QC		11		A700254	A701380	

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

Sequence Reagents and Standards

LIMS Number Description
 A700254 8095, ICAI Nitroaromatics, 0.040 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	A7L1301-IBL1		No values
2	Vial 2	A7L1301-IBL2		No values
3	Vial 3	A7L1301-CCV1		No values
4	Vial 4	A7L1301-IBL3		No values
5	Vial 5	A712034-BLK1		No values
6	Vial 6	A175003-01		No values
7	Vial 7	A175003-02		No values
8	Vial 8	A712034-BS1		No values
9	Vial 9	A712034-MS1		No values
10	Vial 10	A712034-MSD1		No values
11	Vial 11	A7L1301-CCV2		No values
12	Vial 12	A7L1301-IBL4		No values

ICAC in
A 7L1102

OK 12/13/17

fatal error
restart chem station

OK 12/15/17

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:

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

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\A7L1301A8095-ECD-RTX-TNT-H2O.S
Operator : JJK
Data File Naming : Auto
Data Directory : C:\Chem32\1\DATA\
Data Subdirectory : A7L1301A8095-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 10
Sample Information :
Sample Name : A712034-MSD1
Method Name : 8095-ECD-RTX-TNT

=====

Line : 2
Location : Vial 11
Sample Information :
Sample Name : A7L1301-CCV2
Method Name : 8095-ECD-RTX-TNT

=====

Line : 3
Location : Vial 12
Sample Information :
Sample Name : A7L1301-IBL4
Method Name : 8095-ECD-RTX-TNT

=====

Sample related custom fields:

Line	Location	Sample Name	Custom Field	Value
1	Vial 10	A712034-MSD1		No values
2	Vial 11	A7L1301-CCV2		No values
3	Vial 12	A7L1301-IBL4		No values

=====

aborted
On 12/27/17

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:

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

Sample related custom fields:

Line	Location	Sample Name	Custom Field	Value
1	Vial 1	A7L1301-IBL1		No values
2	Vial 2	A7L1301-IBL2		No values
3	Vial 3	A7L1301-CCV1		No values
4	Vial 4	A7L1301-IBL3		No values
5	Vial 5	A712034-BLK1		No values
6	Vial 6	A175003-01		No values
7	Vial 7	A175003-02		No values
8	Vial 8	A712034-BS1		No values
9	Vial 9	A712034-MS1		No values
10	Vial 10	A712034-MSD1		No values
11	Vial 11	A7L1301-CCV2		No values
12	Vial 12	A7L1301-IBL4		No values

ICAC in A7L1102

12/13/17

fatal error

restart chem station

12/14/17

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

1	Vial 10	A712034-MSD1	No values
2	Vial 11	A7L1301-CCV2	No values
3	Vial 12	A7L1301-IBL4 <i>akwt-d</i>	No values

01/24/17

=====

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: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Sequence: A7L1102

Instrument: 3336A52146

Calibration: A171205

Instrument*: 3337G12416

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
A700257	8095, ICAL Nitroaromatics, 0.001 ug/mL	A7L1102-CAL1	003F0301.D.Report.TXT	12/11/17 13:48
A700257	8095, ICAL Nitroaromatics, 0.001 ug/mL	A7L1102-CAL1*	003B0301.D.Report.TXT	12/11/17 13:53
A700256	8095, ICAL Nitroaromatics, 0.0040 ug/mL	A7L1102-CAL2	004F0401.D.Report.TXT	12/11/17 14:09
A700256	8095, ICAL Nitroaromatics, 0.0040 ug/mL	A7L1102-CAL2*	004B0401.D.Report.TXT	12/11/17 14:15
A700255	8095, ICAL Nitroaromatics, 0.010 ug/mL	A7L1102-CAL3	005F0501.D.Report.TXT	12/11/17 14:30
A700255	8095, ICAL Nitroaromatics, 0.010 ug/mL	A7L1102-CAL3*	005B0501.D.Report.TXT	12/11/17 14:37
A700254	8095, ICAL Nitroaromatics, 0.040 ug/mL	A7L1102-CAL4	006F0601.D.Report.TXT	12/11/17 14:52
A700254	8095, ICAL Nitroaromatics, 0.040 ug/mL	A7L1102-CAL4*	006B0601.D.Report.TXT	12/11/17 14:59
A700253	8095, ICAL Nitroaromatics, 0.10 ug/mL	A7L1102-CAL5	007F0701.D.Report.TXT	12/11/17 15:13
A700253	8095, ICAL Nitroaromatics, 0.10 ug/mL	A7L1102-CAL5*	007B0701.D.Report.TXT	12/11/17 15:20
A700252	8095, ICAL Nitroaromatics, 0.40 ug/mL	A7L1102-CAL6	008F0801.D.Report.TXT	12/11/17 15:34
A700252	8095, ICAL Nitroaromatics, 0.40 ug/mL	A7L1102-CAL6*	008B0801.D.Report.TXT	12/11/17 15:42

method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M
Modified on: 11/7/2017 at 12:56:57 PM

Method Information

Method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M
Modified: 11/7/2017 at 12:56:57 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
CYCLOSPPLITTER LINER AND CROSS GOLD SEAL. 2UL INJECTION

Method Audit Trail

*Acquisition
method*

11/12/17

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 climn s/n rwj"

method: C:\Chem32\1\METHODS\8095-ECD-RTX-TNT.M
Modified on: 11/7/2017 at 12:56:57 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"

Operator : JJK
Date : 11/7/2017 12:56:57 PM
Change Info: Method saved. User comment: "CHANGED PURGE OFF FROM 15 TO 14
MINUTES 11/7/17 JJK"

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.

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

Modified on: 11/7/2017 at 12:56:57 PM

Oven Zone:

Oven max	310 C.
Equib Time	1.00 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	14.00
B (Valve 4)	Off	0.50	14.00

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: 11/7/2017 at 12:56:57 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\A7L1102-ECD-8095-RTX-TNT-H2O.M
Modified on: 12/12/2017 at 12:23:17 PM

Method Information

Method: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Modified: 12/12/2017 at 12:23:17 PM

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.

Method Audit Trail

Operator : JJK
Date : 12/12/2017 8:06:45 AM
Change Info: This method was created at 12/12/2017 8:06:45 AM and based on
method C:\CHEM32\1\METHODS\A7J3102-ECD-8095-RTX-TNT-H2O.M

Operator : JJK
Date : 12/12/2017 8:06:58 AM
Change Info: Method saved. User comment: "CREATED 12/12/17 JJK"

Operator : JJK
Date : 12/12/2017 12:23:17 PM
Change Info: Method saved. User comment: "DROPPED 0.4PPM FROM HMX 12/12/17 JJK"

*Processing
method*

12/12/17

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

=====
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 : 12/12/2017 8:33:54 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 [min]	Lvl Sig	Amount	Height	Amt/Height	Ref	Grp	Name
2.176	1	1 1.00000e-3	449.66800	2.22386e-6	1		NITROBENZENE
		2 4.00000e-3	1520.52722	2.63067e-6			
		3 1.00000e-2	3460.36743	2.88987e-6			
		4 4.00000e-2	1.26690e4	3.15731e-6			
		5 1.00000e-1	2.81683e4	3.55009e-6			
		6 4.00000e-1	1.02937e5	3.88586e-6			
2.862	1	1 1.00000e-3	132.24599	7.56167e-6	1		2-NITROTOLUENE
		2 4.00000e-3	465.40622	8.59464e-6			
		3 1.00000e-2	1182.29651	8.45812e-6			
		4 4.00000e-2	4420.99219	9.04774e-6			
		5 1.00000e-1	1.03360e4	9.67492e-6			
		6 4.00000e-1	3.81466e4	1.04859e-5			
3.185	1	1 1.00000e-3	323.60016	3.09023e-6	1		3-NITROTOLUENE
		2 4.00000e-3	889.02686	4.49930e-6			
		3 1.00000e-2	2016.61121	4.95881e-6			
		4 4.00000e-2	7474.89404	5.35125e-6			
		5 1.00000e-1	1.67300e4	5.97729e-6			
		6 4.00000e-1	6.14244e4	6.51207e-6			

RetTime [min]	Lvl Sig	Amount	Height	Amt/Height	Ref	Grp	Name
----- --- ----- ----- ----- --- --- -----							
3.327	1	1 1.00000e-3	200.16835	4.99579e-6	1		4-NITROTOLUENE
		2 4.00000e-3	632.80774	6.32104e-6			
		3 1.00000e-2	1496.47510	6.68237e-6			
		4 4.00000e-2	5654.80957	7.07362e-6			
		5 1.00000e-1	1.29088e4	7.74665e-6			
		6 4.00000e-1	4.74048e4	8.43797e-6			
4.304	1	1 1.25000e-1	2.23913e5	5.58252e-7	+I1		INTERNAL STANDARD (1-BROMO-4-NITROBENZ)
		2 1.25000e-1	2.24156e5	5.57648e-7			
		3 1.25000e-1	2.25331e5	5.54740e-7			
		4 1.25000e-1	2.24639e5	5.56449e-7			
		5 1.25000e-1	2.16341e5	5.77790e-7			
		6 1.25000e-1	2.32409e5	5.37844e-7			
4.593	1	1 1.00000e-3	2024.27478	4.94004e-7	1		NITROGLYCERIN
		2 4.00000e-3	7581.77393	5.27581e-7			
		3 1.00000e-2	1.77207e4	5.64311e-7			
		4 4.00000e-2	6.16198e4	6.49142e-7			
		5 1.00000e-1	1.46077e5	6.84571e-7			
		6 4.00000e-1	5.71705e5	6.99662e-7			
5.216	1	1 1.00000e-3	936.17871	1.06817e-6	1		1,3-DINITROBENZENE
		2 4.00000e-3	3294.52295	1.21414e-6			
		3 1.00000e-2	8400.49414	1.19041e-6			
		4 4.00000e-2	2.82441e4	1.41622e-6			
		5 1.00000e-1	6.21532e4	1.60893e-6			
		6 4.00000e-1	2.15768e5	1.85384e-6			
5.348	1	1 1.00000e-3	3955.22900	2.52830e-7	1		2,6-DINITROTOLUENE
		2 4.00000e-3	1.35709e4	2.94749e-7			
		3 1.00000e-2	3.02063e4	3.31056e-7			
		4 4.00000e-2	9.98849e4	4.00461e-7			
		5 1.00000e-1	2.22234e5	4.49977e-7			
		6 4.00000e-1	8.20951e5	4.87240e-7			
5.914	1	1 1.00000e-3	2342.52612	4.26890e-7	1		2,4-DINITROTOLUENE
		2 4.00000e-3	7900.41748	5.06302e-7			
		3 1.00000e-2	1.74012e4	5.74673e-7			
		4 4.00000e-2	5.65480e4	7.07364e-7			
		5 1.00000e-1	1.23443e5	8.10089e-7			
		6 4.00000e-1	4.38233e5	9.12757e-7			
6.306	1	1 1.00000e-3	3797.89893	2.63303e-7	1		3,4-DINITROTOLUENE
		2 4.00000e-3	1.37037e4	2.91893e-7			
		3 1.00000e-2	3.09193e4	3.23422e-7			
		4 4.00000e-2	1.05811e5	3.78032e-7			
		5 1.00000e-1	2.34993e5	4.25545e-7			
		6 4.00000e-1	8.85056e5	4.51949e-7			
6.998	1	1 1.00000e-3	1415.39172	7.06518e-7	1		1,3,5-TRINITROBENZENE
		2 4.00000e-3	5315.55664	7.52508e-7			
		3 1.00000e-2	1.22655e4	8.15296e-7			
		4 4.00000e-2	4.28046e4	9.34480e-7			
		5 1.00000e-1	9.44218e4	1.05908e-6			
		6 4.00000e-1	3.44360e5	1.16157e-6			
7.161	1	1 1.00000e-3	3037.63062	3.29204e-7	1		2,4,6-TRINITROTOLUENE
		2 4.00000e-3	9337.80762	4.28366e-7			
		3 1.00000e-2	2.21588e4	4.51288e-7			
		4 4.00000e-2	8.40948e4	4.75654e-7			
		5 1.00000e-1	2.00933e5	4.97677e-7			
		6 4.00000e-1	6.67958e5	5.98840e-7			
7.788	1	1 1.00000e-3	1027.52124	9.73216e-7	1		PETN
		2 4.00000e-3	3817.80957	1.04772e-6			
		3 1.00000e-2	8551.59082	1.16937e-6			

RetTime [min]	Lvl Sig	Amount	Height	Amt/Height	Ref	Grp Name
8.108	1	4 4.00000e-2	2.98955e4	1.33799e-6		
		5 1.00000e-1	7.01330e4	1.42586e-6		
		6 4.00000e-1	2.74171e5	1.45894e-6		
	1	1 1.00000e-3	2537.60474	3.94072e-7	1	RDX
		2 4.00000e-3	1.03691e4	3.85760e-7		
		3 1.00000e-2	2.68058e4	3.73054e-7		
		4 4.00000e-2	1.01566e5	3.93834e-7		
		5 1.00000e-1	2.49242e5	4.01216e-7		
		6 4.00000e-1	1.06460e6	3.75728e-7		
8.654	1	1 1.00000e-3	3043.97461	3.28518e-7	1	4-AMINO-2,6-DINITROTOLUENE
		2 4.00000e-3	1.01022e4	3.95952e-7		
		3 1.00000e-2	2.21109e4	4.52265e-7		
		4 4.00000e-2	7.11290e4	5.62358e-7		
		5 1.00000e-1	1.57863e5	6.33462e-7		
		6 4.00000e-1	5.84098e5	6.84817e-7		
8.718	1	1 1.00000e-3	3311.53271	3.01975e-7	1	3,5-DINITROANILINE
		2 4.00000e-3	1.06486e4	3.75636e-7		
		3 1.00000e-2	2.25825e4	4.42820e-7		
		4 4.00000e-2	7.36566e4	5.43061e-7		
		5 1.00000e-1	1.65387e5	6.04642e-7		
		6 4.00000e-1	6.34643e5	6.30275e-7		
8.969	1	1 1.00000e-3	3483.93286	2.87032e-7	1	2-AMINO-4,6-DINITROTOLUENE
		2 4.00000e-3	1.15846e4	3.45285e-7		
		3 1.00000e-2	2.51218e4	3.98061e-7		
		4 4.00000e-2	8.06650e4	4.95878e-7		
		5 1.00000e-1	1.80433e5	5.54222e-7		
		6 4.00000e-1	6.78212e5	5.89786e-7		
9.475	1	1 1.00000e-3	2696.99243	3.70783e-7	+ 1	SURROGATE (2,2'-DINITROBIPHENYL)
		2 4.00000e-3	9669.96680	4.13652e-7		
		3 1.00000e-2	2.24461e4	4.45512e-7		
		4 4.00000e-2	7.97298e4	5.01695e-7		
		5 1.00000e-1	1.78127e5	5.61396e-7		
		6 4.00000e-1	6.67969e5	5.98830e-7		
9.576	1	1 1.00000e-3	343.98224	2.90713e-6	1	TETRYL
		2 4.00000e-3	1632.66003	2.44999e-6		
		3 1.00000e-2	4947.55469	2.02120e-6		
		4 4.00000e-2	3.48482e4	1.14783e-6		
		5 1.00000e-1	1.01041e5	9.89701e-7		
12.193	1	1 1.00000e-3	270.53314	3.69640e-6	1	HMX
		2 4.00000e-3	738.22968	5.41837e-6		
		3 1.00000e-2	1181.43713	8.46427e-6		
		4 4.00000e-2	7131.57959	5.60886e-6		
		5 1.00000e-1	2.91191e4	3.43417e-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
Origin : Ignored

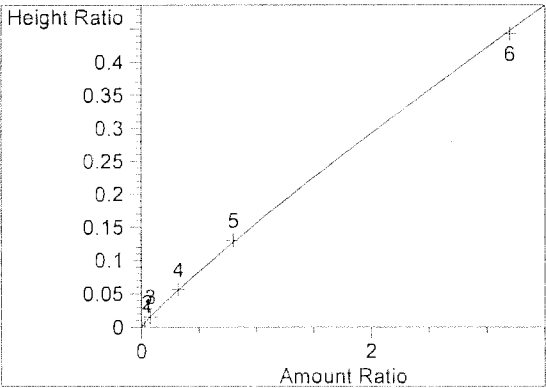
1 Warnings or Errors :

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

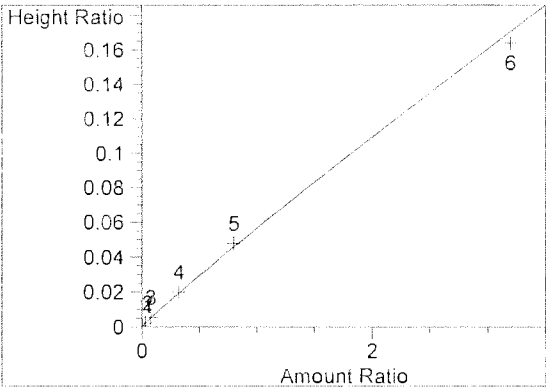
Peak Sum Table

No Entries in table

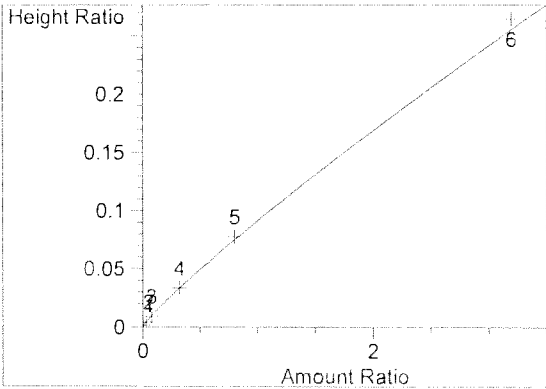
Calibration Curves



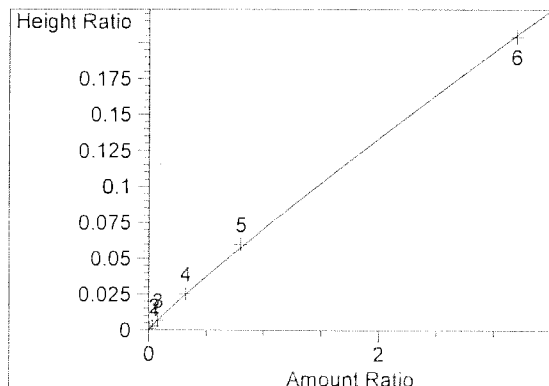
NITROBENZENE at exp. RT: 2.176
ECD1 B,
Correlation: 0.99995
Residual Std. Dev.: 0.00267
Formula: $y = b * x^m$
m: 9.05854e-1
b: 1.55983e-1
x: Amount
y: Height



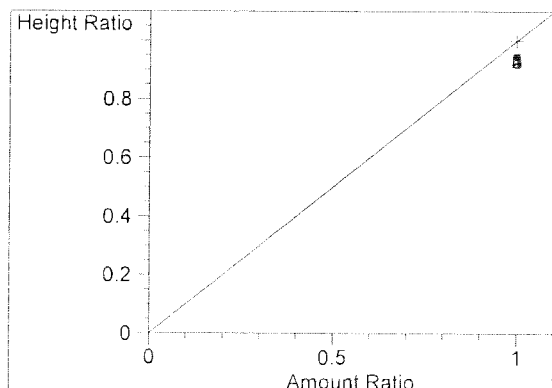
2-NITROTOLUENE at exp. RT: 2.862
ECD1 B,
Correlation: 0.99974
Residual Std. Dev.: 0.00338
Formula: $y = b * x^m$
m: 9.47323e-1
b: 5.66821e-2
x: Amount
y: Height



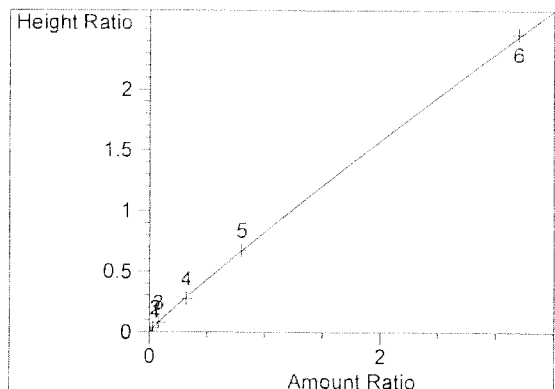
3-NITROTOLUENE at exp. RT: 3.185
ECD1 B,
Correlation: 0.99999
Residual Std. Dev.: 0.00464
Formula: $y = b * x^m$
m: 8.83965e-1
b: 9.13356e-2
x: Amount
y: Height



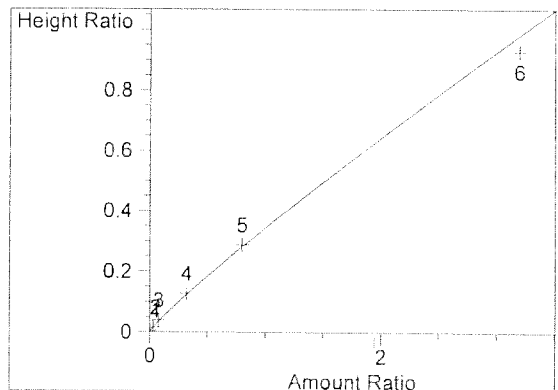
4-NITROTOLUENE at exp. RT: 3.327
 ECD1 B,
 Correlation: 0.99991
 Residual Std. Dev.: 0.00125
 Formula: $y = b * x^m$
 m: 9.17424e-1
 b: 7.05637e-2
 x: Amount
 y: Height



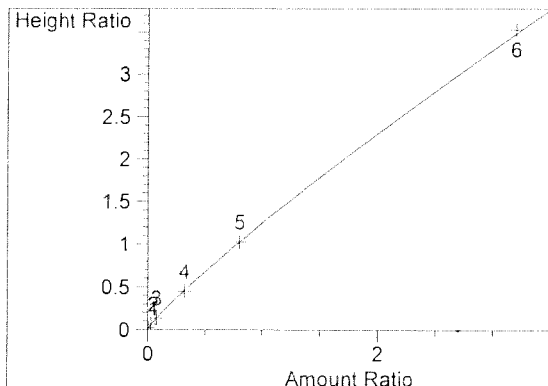
INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) at exp. RT: 4.1
 ECD1 B,
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount
 y: Height



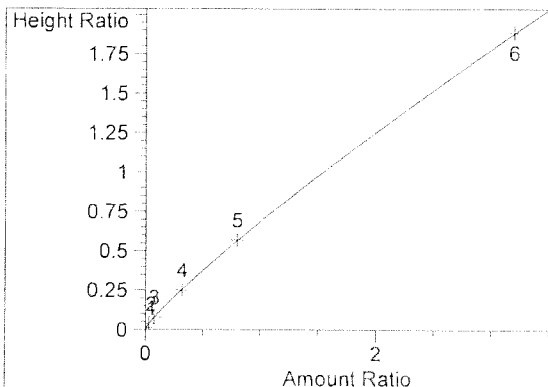
NITROGLYCERIN at exp. RT: 4.593
 ECD1 B,
 Correlation: 0.99999
 Residual Std. Dev.: 0.01186
 Formula: $y = b * x^m$
 m: 9.33113e-1
 b: 8.23994e-1
 x: Amount
 y: Height



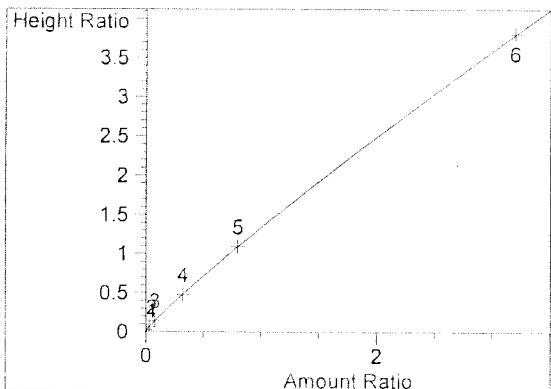
1,3-DINITROBENZENE at exp. RT: 5.216
 ECD1 B,
 Correlation: 0.99969
 Residual Std. Dev.: 0.02733
 Formula: $y = b * x^m$
 m: 9.05463e-1
 b: 3.42682e-1
 x: Amount
 y: Height



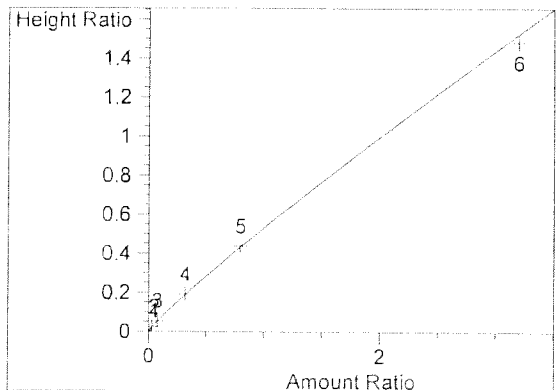
2,6-DINITROTOLUENE at exp. RT: 5.348
 ECD1 B,
 Correlation: 0.99998
 Residual Std. Dev.: 0.02449
 Formula: $y = b * x^m$
 m: 8.82505e-1
 b: 1.24853
 x: Amount
 y: Height



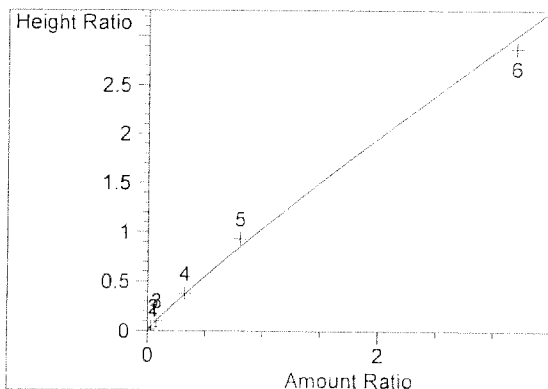
2,4-DINITROTOLUENE at exp. RT: 5.914
 ECD1 B,
 Correlation: 0.99999
 Residual Std. Dev.: 0.00371
 Formula: $y = b * x^m$
 m: 8.65947e-1
 b: 6.87152e-1
 x: Amount
 y: Height



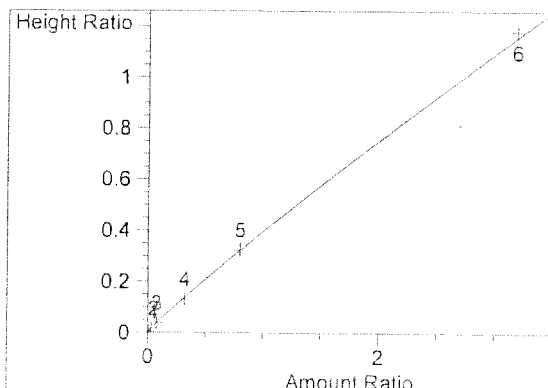
3,4-DINITROTOLUENE at exp. RT: 6.306
 ECD1 B,
 Correlation: 1.00000
 Residual Std. Dev.: 0.00688
 Formula: $y = b * x^m$
 m: 9.00969e-1
 b: 1.33108
 x: Amount
 y: Height



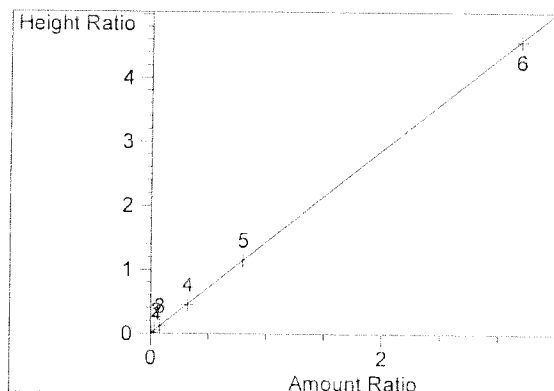
1,3,5-TRINITROBENZENE at exp. RT: 6.998
 ECD1 B,
 Correlation: 0.99994
 Residual Std. Dev.: 0.02193
 Formula: $y = b * x^m$
 m: 9.09244e-1
 b: 5.29715e-1
 x: Amount
 y: Height



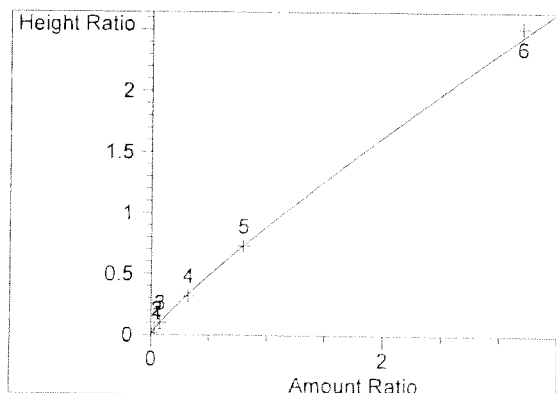
2,4,6-TRINITROTOLUENE at exp. RT: 7.161
 ECD1 B,
 Correlation: 0.99911
 Residual Std. Dev.: 0.07520
 Formula: $y = b * x^m$
 m: 9.11892e-1
 b: 1.03877
 x: Amount
 y: Height



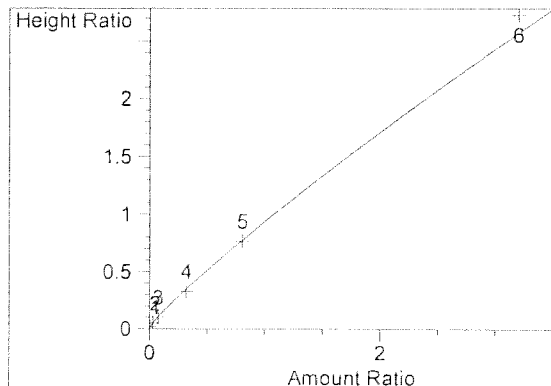
PETN at exp. RT: 7.788
 ECD1 B,
 Correlation: 0.99998
 Residual Std. Dev.: 0.01080
 Formula: $y = b * x^m$
 m: 9.23018e-1
 b: 3.96057e-1
 x: Amount
 y: Height



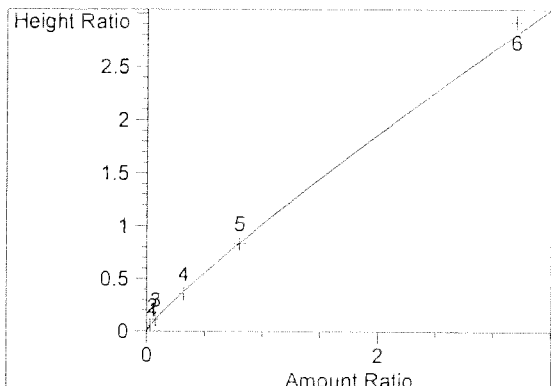
RDX at exp. RT: 8.108
 ECD1 B,
 Correlation: 1.00000
 Residual Std. Dev.: 0.00982
 Formula: $y = b * x^m$
 m: 9.99572e-1
 b: 1.43762
 x: Amount
 y: Height



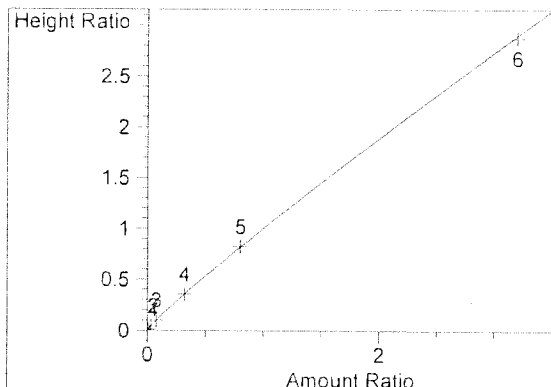
4-AMINO-2,6-DINITROTOLUENE at exp. RT: 8.654
 ECD1 B,
 Correlation: 0.99993
 Residual Std. Dev.: 0.03690
 Formula: $y = b * x^m$
 m: 8.68820e-1
 b: 8.88453e-1
 x: Amount
 y: Height



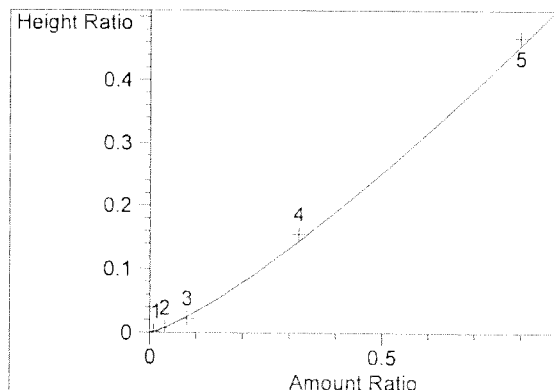
3,5-DINITROANILINE at exp. RT: 8.718
 ECD1 B,
 Correlation: 0.99975
 Residual Std. Dev.: 0.07903
 Formula: $y = b * x^m$
 m: 8.68653e-1
 b: 9.37228e-1
 x: Amount
 y: Height



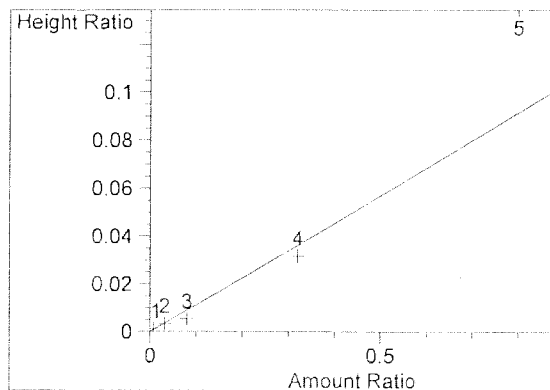
2-AMINO-4,6-DINITROTOLUENE at exp. RT: 8.969
 ECD1 B,
 Correlation: 0.99987
 Residual Std. Dev.: 0.05722
 Formula: $y = b * x^m$
 m: 8.70336e-1
 b: 1.01943
 x: Amount
 y: Height



SURROGATE (2,2'-DINITROBIPHENYL) at exp. RT: 9.475
 ECD1 B,
 Correlation: 0.99999
 Residual Std. Dev.: 0.01433
 Formula: $y = b * x^m$
 m: 9.14397e-1
 b: 1.00181
 x: Amount
 y: Height



TETRYL at exp. RT: 9.576
 ECD1 B,
 Correlation: 0.99978
 Residual Std. Dev.: 0.01011
 Formula: $y = b * x^m$
 m: 1.25878
 b: 6.01813e-1
 x: Amount
 y: Height



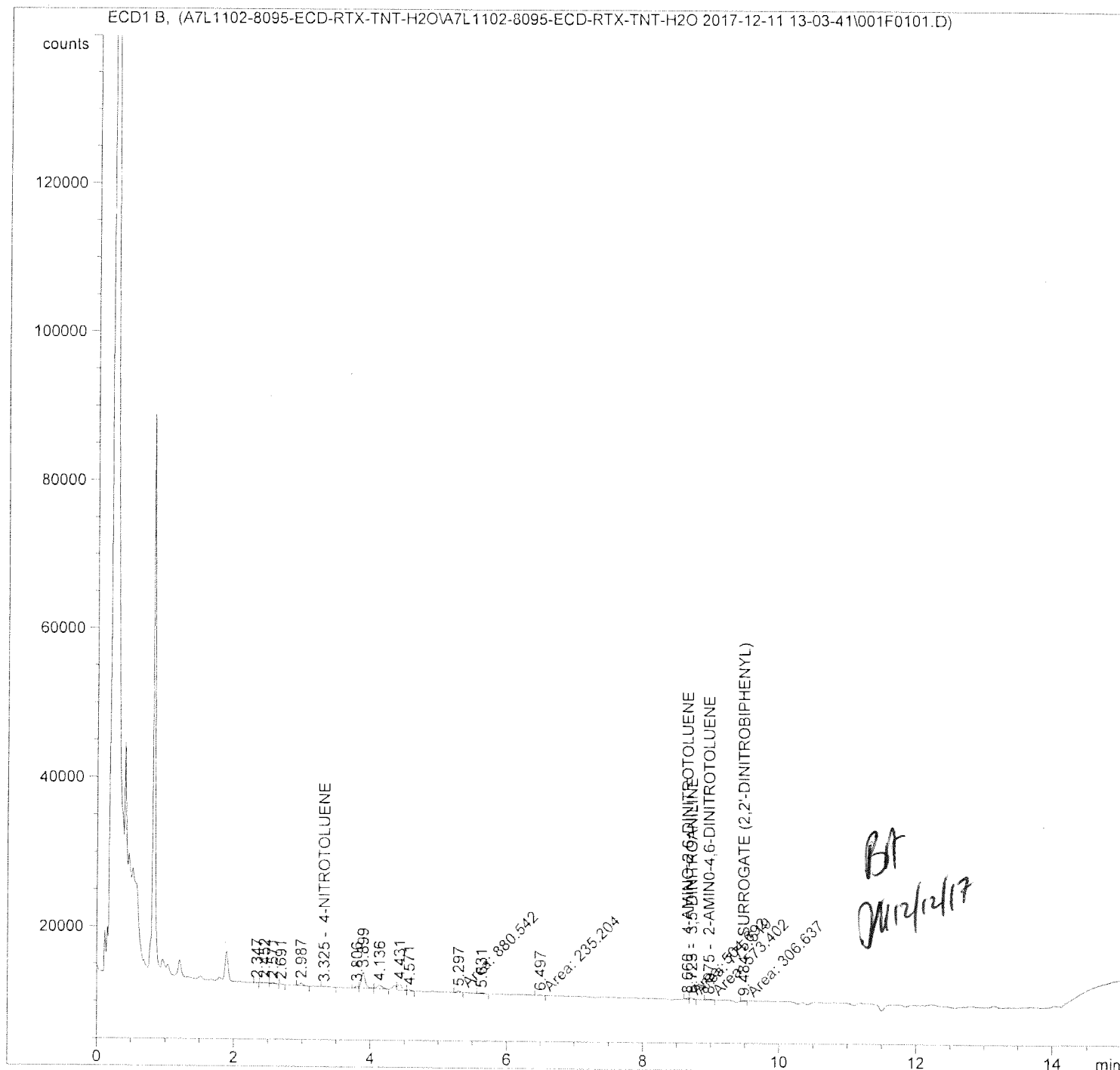
HMX at exp. RT: 12.193
ECD1 B,
Correlation: 0.98714
Residual Std. Dev.: 0.02517
Formula: $y = b * x^m$
m: 1.01211
b: 1.14526e-1
x: Amount
y: Height

=====

=====

Acq. Operator	: JJK	Seq. Line	: 1
Acq. Instrument	: 3336A52146	Location	: Vial 1
Injection Date	: 12/11/2017 1:05:27 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:23:17 PM by JJK		
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	: JJK	Seq. Line	: 1
Acq. Instrument	: 3336A52146	Location	: Vial 1
Injection Date	: 12/11/2017 1:05:27 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 8:33:54 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
2.178	1		1	-	-	-		NITROBENZENE
2.864	1		1	-	-	-		2-NITROTOLUENE
3.188	1		1	-	-	-		3-NITROTOLUENE
3.325	1	BB	1	34.02480	0.00000	0.00000		4-NITROTOLUENE
4.304	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.597	1		1	-	-	-		NITROGLYCERIN
5.221	1		1	-	-	-		1,3-DINITROBENZENE
5.354	1		1	-	-	-		2,6-DINITROTOLUENE
5.920	1		1	-	-	-		2,4-DINITROTOLUENE
6.312	1		1	-	-	-		3,4-DINITROTOLUENE
7.005	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.168	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.796	1		1	-	-	-		PETN
8.116	1		1	-	-	-		RDX
8.660	1	MF	1	152.92284	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE
8.723	1	FM	1	201.72725	0.00000	0.00000		3,5-DINITROANILINE
8.975	1	MM	1	129.80435	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.484	1	MM +	1	85.76604	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.586	1		1	-	-	-		TETRYL
12.205	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

=====

Acq. Operator	: JJK	Seq. Line	: 1
Acq. Instrument	: 3336A52146	Location	: Vial 1
Injection Date	: 12/11/2017 1:05:27 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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

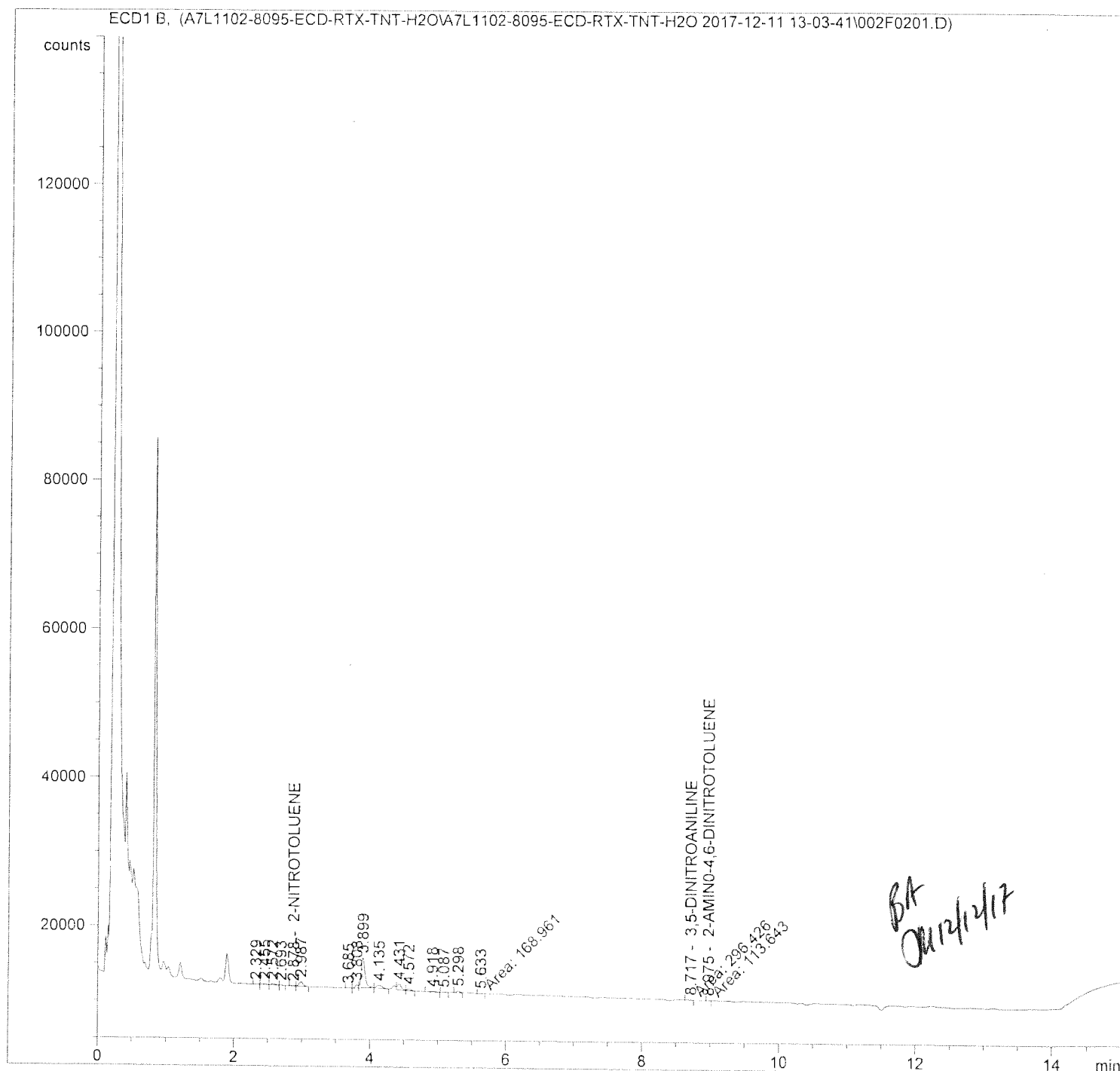
=====

*** End of Report ***

=====

Acq. Operator	: JJK	Seq. Line	: 2
Acq. Instrument	: 3336A52146	Location	: Vial 2
Injection Date	: 12/11/2017 1:26:47 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:23:17 PM by JJK		
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 CYCLOSPPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: JJK	Seq. Line	: 2
Acq. Instrument	: 3336A52146	Location	: Vial 2
Injection Date	: 12/11/2017 1:26:47 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 8:33:54 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			
2.176	1		1	-	-	-		NITROBENZENE
2.878	1	BV	1	46.68788	0.00000	0.00000		2-NITROTOLUENE
3.185	1		1	-	-	-		3-NITROTOLUENE
3.327	1		1	-	-	-		4-NITROTOLUENE
4.304	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.593	1		1	-	-	-		NITROGLYCERIN
5.216	1		1	-	-	-		1,3-DINITROBENZENE
5.348	1		1	-	-	-		2,6-DINITROTOLUENE
5.914	1		1	-	-	-		2,4-DINITROTOLUENE
6.306	1		1	-	-	-		3,4-DINITROTOLUENE
6.998	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.161	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.788	1		1	-	-	-		PETN
8.108	1		1	-	-	-		RDX
8.654	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.717	1	MM	1	59.41866	0.00000	0.00000		3,5-DINITROANILINE
8.975	1	MM	1	33.17094	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.475	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.576	1		1	-	-	-		TETRYL
12.193	1		1	-	-	-		HMX

Totals without ISTD(s) : 0.00000

Handwritten signature
12/12/17

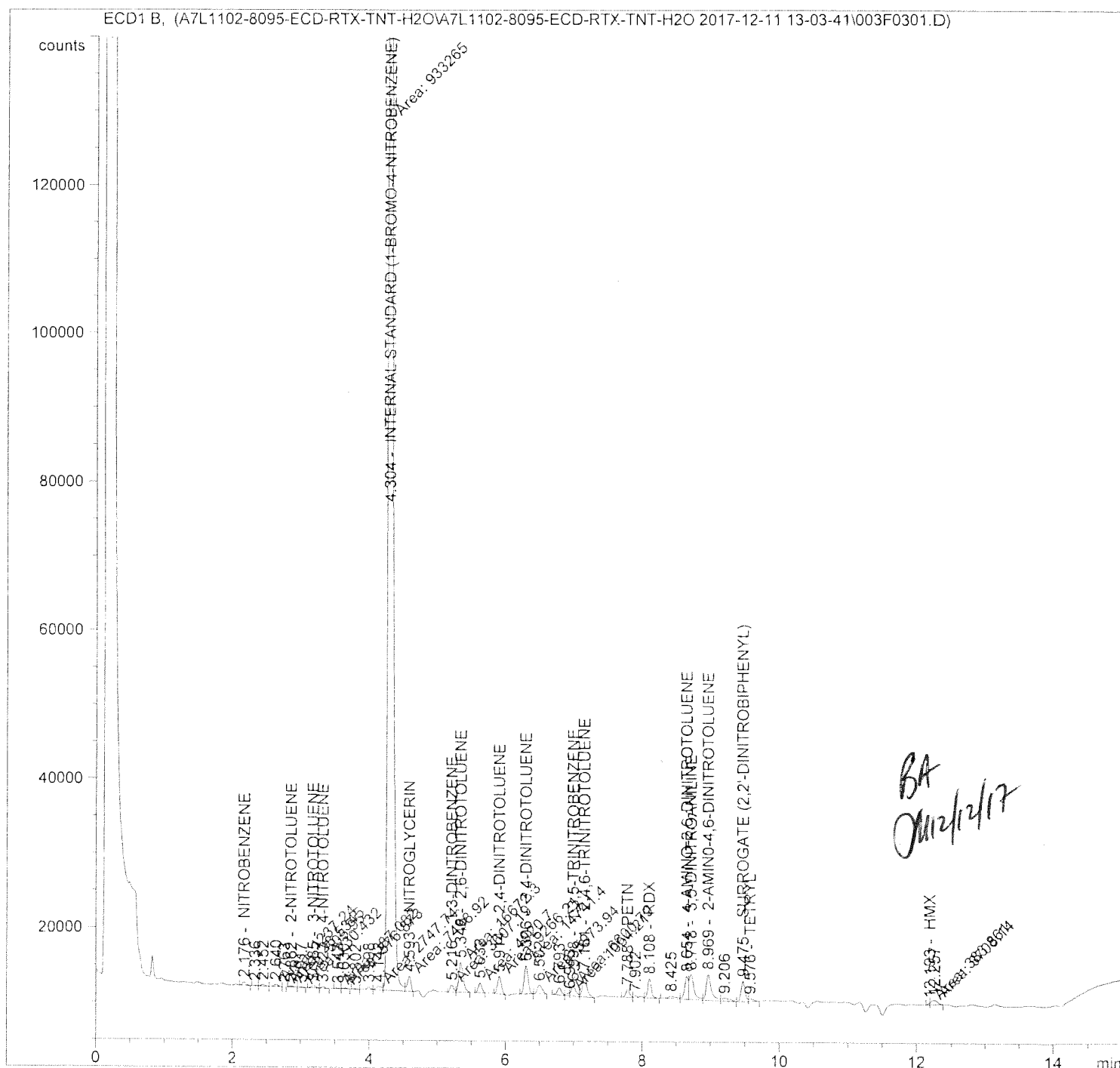
```
=====
Acq. Operator   : JJK                               Seq. Line :    2
Acq. Instrument : 3336A52146                         Location  : Vial 2
Injection Date  : 12/11/2017 1:26:47 PM              Inj       :    1
                                                Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:23:17 PM by JJK
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 ***
```

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------



=====

Acq. Operator	: JJK	Seq. Line	: 3
Acq. Instrument	: 3336A52146	Location	: Vial 3
Injection Date	: 12/11/2017 1:48:05 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 8:33:54 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			
2.176	1	BB	1	449.66800	4.07818	1.02374e-3		NITROBENZENE
2.862	1	MM	1	132.24599	13.68784	1.01053e-3		2-NITROTOLUENE
3.185	1	BV	1	323.60016	6.35311	1.14769e-3		3-NITROTOLUENE
3.327	1	VB	1	200.16835	9.56417	1.06874e-3		4-NITROTOLUENE
4.304	1	FM +I	1	2.23913e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.593	1	FM	1	2024.27478	8.78213e-1	9.92430e-4		NITROGLYCERIN
5.216	1	MF	1	936.17871	1.84210	9.62727e-4		1,3-DINITROBENZENE
5.348	1	FM	1	3955.22900	4.54349e-1	1.00321e-3		2,6-DINITROTOLUENE
5.914	1	MM	1	2342.52612	7.61374e-1	9.95665e-4		2,4-DINITROTOLUENE
6.306	1	MM	1	3797.89893	4.65088e-1	9.86073e-4		3,4-DINITROTOLUENE
6.998	1	FM	1	1415.39172	1.21336	9.58732e-4		1,3,5-TRINITROBENZENE
7.161	1	VB	1	3037.63062	6.33055e-1	1.07351e-3		2,4,6-TRINITROTOLUENE
7.788	1	BV	1	1027.52124	1.74089	9.98604e-4		PETN
8.108	1	VB	1	2537.60474	6.94154e-1	9.83355e-4		RDX
8.654	1	VV	1	3043.97461	5.98802e-1	1.01755e-3		4-AMINO-2,6-DINITROTOLUENE
8.718	1	VV	1	3311.53271	5.69764e-1	1.05331e-3		3,5-DINITROANILINE
8.969	1	VV	1	3483.93286	5.26064e-1	1.02315e-3		2-AMINO-4,6-DINITROTOLUENE
9.475	1	BV +	1	2696.99243	6.59885e-1	9.93525e-4		SURROGATE (2,2'-DINITROBIPHENYL)
9.576	1	VV	1	343.98224	5.67026	1.08885e-3		TETRYL
12.193	1	MF	1	270.53314	9.22059	1.39255e-3		HMX

Totals without ISTD(s) : 1.97739e-2

On 12/12/17

=====

Acq. Operator	: JJK	Seq. Line	: 3
Acq. Instrument	: 3336A52146	Location	: Vial 3
Injection Date	: 12/11/2017 1:48:05 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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)

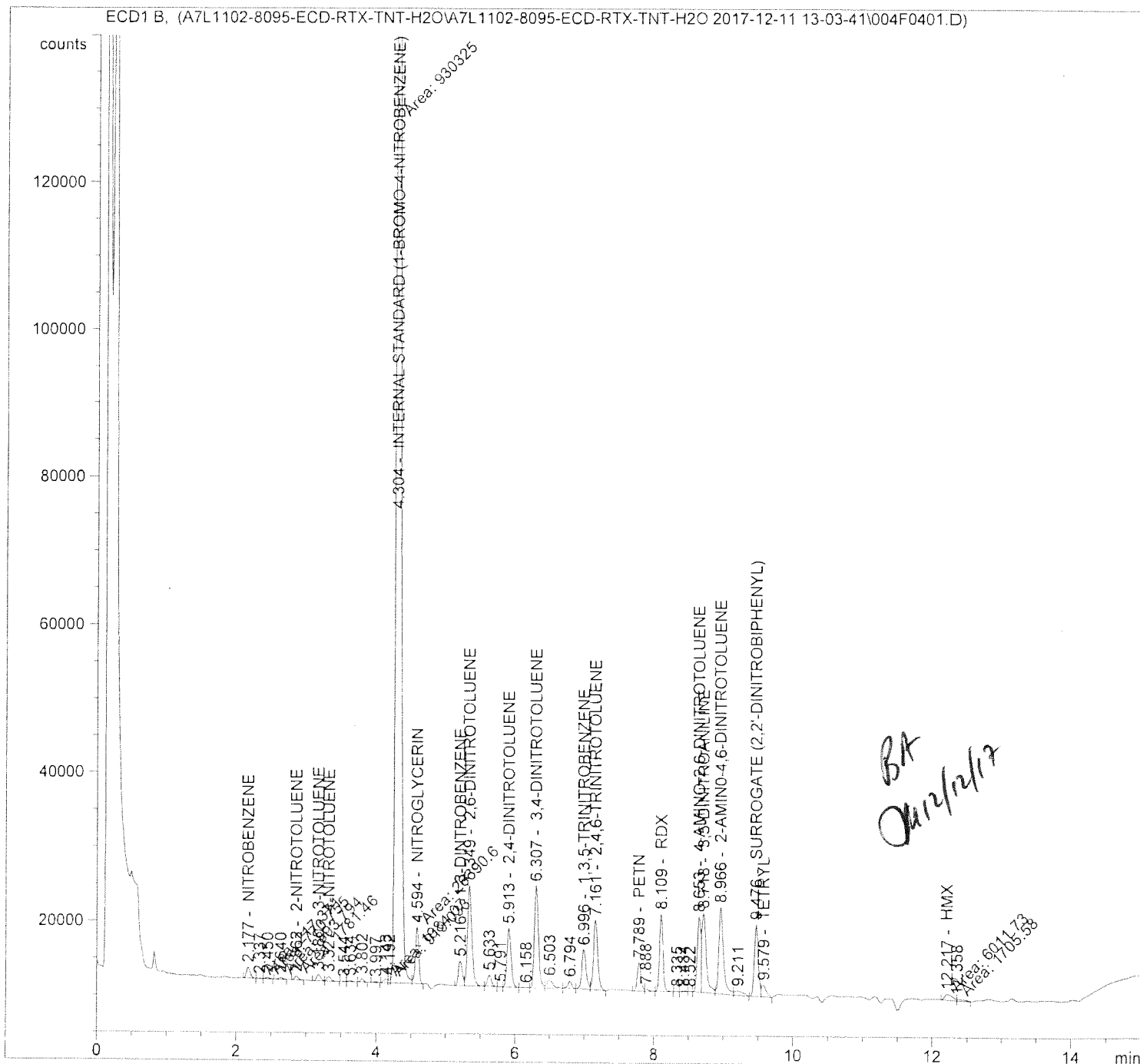
=====

*** End of Report ***

=====

Acq. Operator	: JJK	Seq. Line	: 4
Acq. Instrument	: 3336A52146	Location	: Vial 4
Injection Date	: 12/11/2017 2:09:28 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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.		

=====



BA
01/2/17

=====

Acq. Operator	: JJK	Seq. Line	: 4
Acq. Instrument	: 3336A52146	Location	: Vial 4
Injection Date	: 12/11/2017 2:09:28 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.177	1	BB	1	1520.52722	4.62815	3.92430e-3		NITROBENZENE
2.862	1	MM	1	465.40622	14.67894	3.80967e-3		2-NITROTOLUENE
3.180	1	BV	1	889.02686	7.25335	3.59595e-3		3-NITROTOLUENE
3.327	1	VB	1	632.80774	10.60714	3.74309e-3		4-NITROTOLUENE
4.304	1	FM +I	1	2.24156e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.594	1	FM	1	7581.77393	9.65329e-1	4.08138e-3		NITROGLYCERIN
5.216	1	BV	1	3294.52295	2.10047	3.85895e-3		1,3-DINITROBENZENE
5.349	1	VB	1	1.35709e4	5.35321e-1	4.05119e-3		2,6-DINITROTOLUENE
5.913	1	VB	1	7900.41748	9.18876e-1	4.04825e-3		2,4-DINITROTOLUENE
6.307	1	BV	1	1.37037e4	5.35474e-1	4.09200e-3		3,4-DINITROTOLUENE
6.996	1	BV	1	5315.55664	1.38453	4.10405e-3		1,3,5-TRINITROBENZENE
7.161	1	VB	1	9337.80762	7.05536e-1	3.67388e-3		2,4,6-TRINITROTOLUENE
7.789	1	BV	1	3817.80957	1.94211	4.13474e-3		PETN
8.109	1	BB	1	1.03691e4	6.94572e-1	4.01625e-3		RDX
8.653	1	BV	1	1.01022e4	7.17584e-1	4.04250e-3		4-AMINO-2,6-DINITROTOLUENE
8.718	1	VV	1	1.06486e4	6.79713e-1	4.03625e-3		3,5-DINITROANILINE
8.966	1	VV	1	1.15846e4	6.29084e-1	4.06399e-3		2-AMINO-4,6-DINITROTOLUENE
9.476	1	BV +	1	9669.96680	7.43600e-1	4.00982e-3		SURROGATE (2,2'-DINITROBIPHENYL)
9.579	1	VB	1	1632.66003	4.11770	3.74897e-3		TETRYL
12.217	1	MF	1	738.22968	9.11057	3.75057e-3		HMX

12/12/17

=====

Acq. Operator	: JJK	Seq. Line	: 4
Acq. Instrument	: 3336A52146	Location	: Vial 4
Injection Date	: 12/11/2017 2:09:28 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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.		

=====

Totals without ISTD(s) : 7.47858e-2

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

Sample Name: A7L1102-CAL3

=====

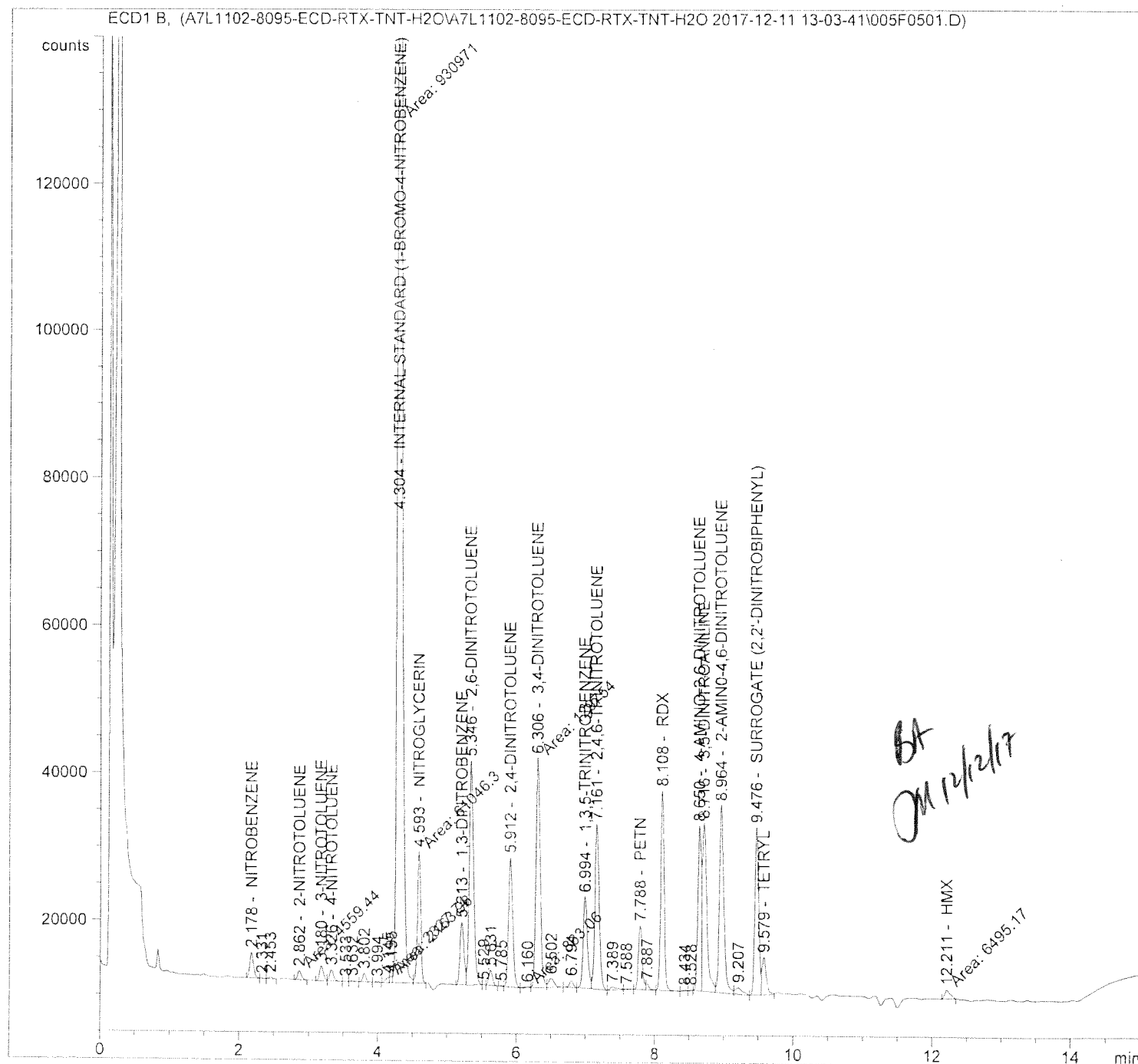
Acq. Operator : JJK Seq. Line : 5
Acq. Instrument : 3336A52146 Location : Vial 5
Injection Date : 12/11/2017 2:30:49 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====



=====

Acq. Operator	: JJK	Seq. Line	: 5
Acq. Instrument	: 3336A52146	Location	: Vial 5
Injection Date	: 12/11/2017 2:30:49 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.178	1	BV	1	3460.36743	5.03835	9.67163e-3		NITROBENZENE
2.862	1	MM	1	1182.29651	15.45550	1.01368e-2		2-NITROTOLUENE
3.180	1	BV	1	2016.61121	8.07111	9.02910e-3		3-NITROTOLUENE
3.326	1	VB	1	1496.47510	11.45616	9.51038e-3		4-NITROTOLUENE
4.304	1	FM +I	1	2.25331e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.593	1	FM	1	1.77207e4	1.02552	1.00812e-2		NITROGLYCERIN
5.213	1	BV	1	8400.49414	2.31485	1.07874e-2		1,3-DINITROBENZENE
5.346	1	VV	1	3.02063e4	5.95080e-1	9.97156e-3		2,6-DINITROTOLUENE
5.912	1	VB	1	1.74012e4	1.03751	1.00152e-2		2,4-DINITROTOLUENE
6.306	1	FM	1	3.09193e4	5.85238e-1	1.00381e-2		3,4-DINITROTOLUENE
6.994	1	BV	1	1.22655e4	1.50426	1.02352e-2		1,3,5-TRINITROBENZENE
7.161	1	VB	1	2.21588e4	7.66588e-1	9.42318e-3		2,4,6-TRINITROTOLUENE
7.788	1	BV	1	8551.59082	2.07632	9.84988e-3		PETN
8.108	1	BB	1	2.68058e4	6.94854e-1	1.03326e-2		RDX
8.650	1	BV	1	2.21109e4	8.07038e-1	9.89898e-3		4-AMINO-2,6-DINITROTOLUENE
8.716	1	VV	1	2.25825e4	7.60937e-1	9.53258e-3		3,5-DINITROANILINE
8.964	1	VV	1	2.51218e4	7.05429e-1	9.83090e-3		2-AMINO-4,6-DINITROTOLUENE
9.476	1	BV +	1	2.24461e4	8.04200e-1	1.00137e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.579	1	VV	1	4947.55469	3.28199	9.00777e-3		TETRYL
12.211	1	MM	1	1181.43713	9.06001	5.93784e-3		HMX

Handwritten signature

Sample Name: A7L1102-CAL3

```
=====
Acq. Operator   : JJK                               Seq. Line :    5
Acq. Instrument : 3336A52146                         Location  : Vial 5
Injection Date  : 12/11/2017 2:30:49 PM              Inj       :    1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
Method Info     : Method 8095 for Explosives using an RTX-TNT 6 M BY 0.53 MM 1D   1.5
                  MICRON FILM, (S/N 1153047/P).
                  INJECTION 2 UL INTO A 4 MM CYCLOSPLITTER LINER USING A GOLD SEAL.
=====
```

Totals without ISTD(s) : 1.83304e-1

1 Warnings or Errors :

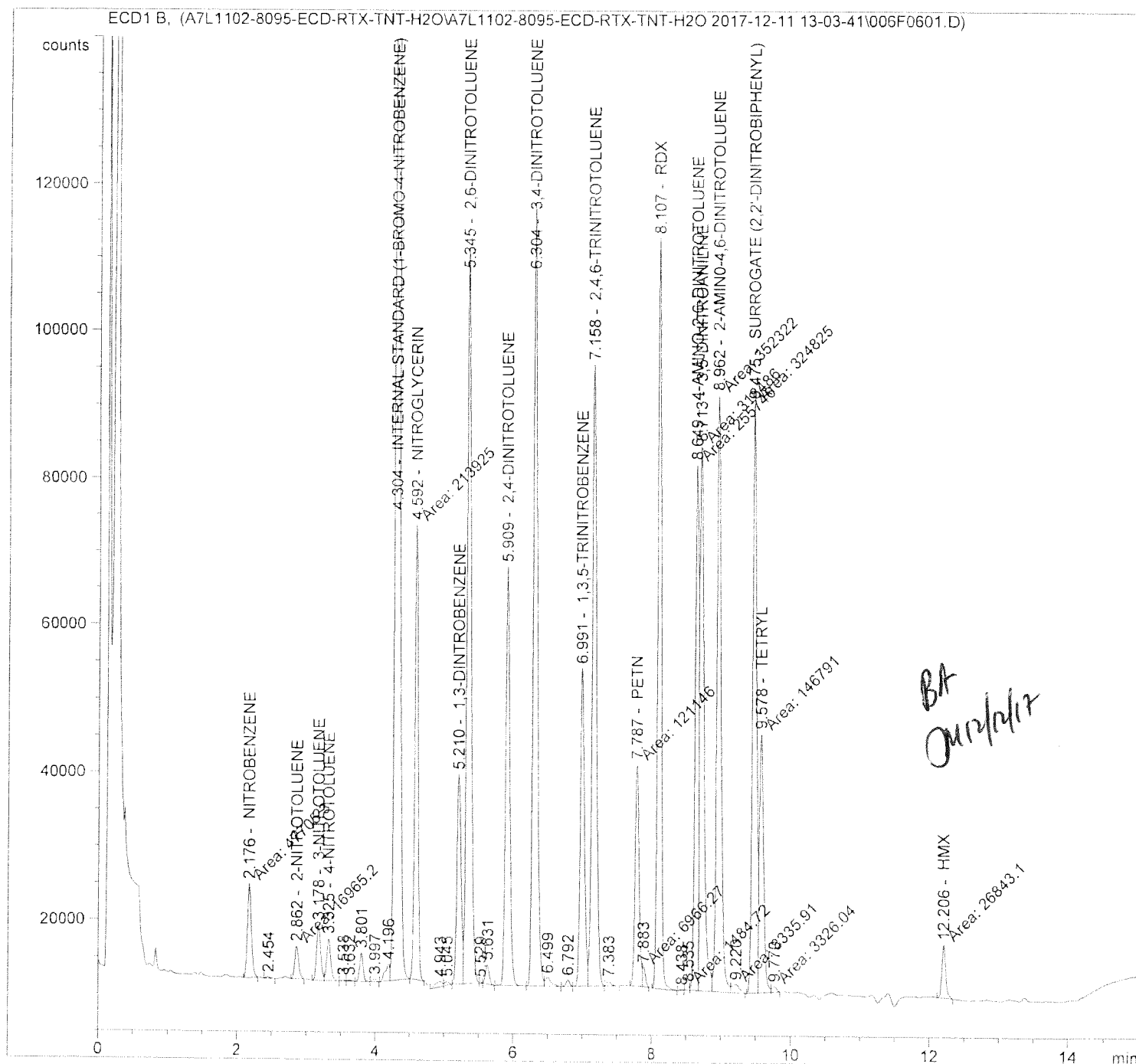
Warning : Calibration warnings (see calibration table listing)

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

=====

Acq. Operator	: JJK	Seq. Line	: 6
Acq. Instrument	: 3336A52146	Location	: Vial 6
Injection Date	: 12/11/2017 2:52:09 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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 CYCLOSPPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: JJK	Seq. Line	: 6
Acq. Instrument	: 3336A52146	Location	: Vial 6
Injection Date	: 12/11/2017 2:52:09 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.176	1	MM	1	1.26690e4	5.76772	4.06604e-2		NITROBENZENE
2.862	1	MM	1	4420.99219	16.63444	4.09216e-2		2-NITROTOLUENE
3.178	1	BV	1	7474.89404	9.58952	3.98866e-2		3-NITROTOLUENE
3.325	1	VB	1	5654.80957	12.91594	4.06414e-2		4-NITROTOLUENE
4.304	1	VB +I	1	2.24639e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.592	1	MM	1	6.16198e4	1.12159	3.84574e-2		NITROGLYCERIN
5.210	1	BV	1	2.82441e4	2.62812	4.13046e-2		1,3-DINITROBENZENE
5.345	1	VV	1	9.98849e4	6.98080e-1	3.87999e-2		2,6-DINITROTOLUENE
5.909	1	BB	1	5.65480e4	1.24576	3.91991e-2		2,4-DINITROTOLUENE
6.304	1	BV	1	1.05811e5	6.70205e-1	3.94606e-2		3,4-DINITROTOLUENE
6.991	1	BV	1	4.28046e4	1.70465	4.06024e-2		1,3,5-TRINITROBENZENE
7.158	1	VB	1	8.40948e4	8.72281e-1	4.08179e-2		2,4,6-TRINITROTOLUENE
7.787	1	MF	1	2.98955e4	2.30537	3.83505e-2		PETN
8.107	1	BB	1	1.01566e5	6.95252e-1	3.92929e-2		RDX
8.649	1	MF	1	7.11290e4	9.63191e-1	3.81228e-2		4-AMINO-2,6-DINITROTOLUENE
8.713	1	FM	1	7.36566e4	9.10303e-1	3.73098e-2		3,5-DINITROANILINE
8.962	1	MF	1	8.06650e4	8.39714e-1	3.76913e-2		2-AMINO-4,6-DINITROTOLUENE
9.475	1	MF +	1	7.97298e4	9.05782e-1	4.01855e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.578	1	FM	1	3.48482e4	2.19571	4.25776e-2		TETRYL
12.206	1	MM	1	7131.57959	8.86680	3.51866e-2		HMX

Handwritten signature

Sample Name: A7L1102-CAL4

```
=====
Acq. Operator   : JJK                               Seq. Line :    6
Acq. Instrument : 3336A52146                         Location  : Vial 6
Injection Date  : 12/11/2017 2:52:09 PM              Inj       :    1
                                                    Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====
```

```
=====
Totals without ISTD(s) :                               7.49469e-1
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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

=====

Acq. Operator	: JJK	Seq. Line	: 7
Acq. Instrument	: 3336A52146	Location	: Vial 7
Injection Date	: 12/11/2017 3:13:25 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

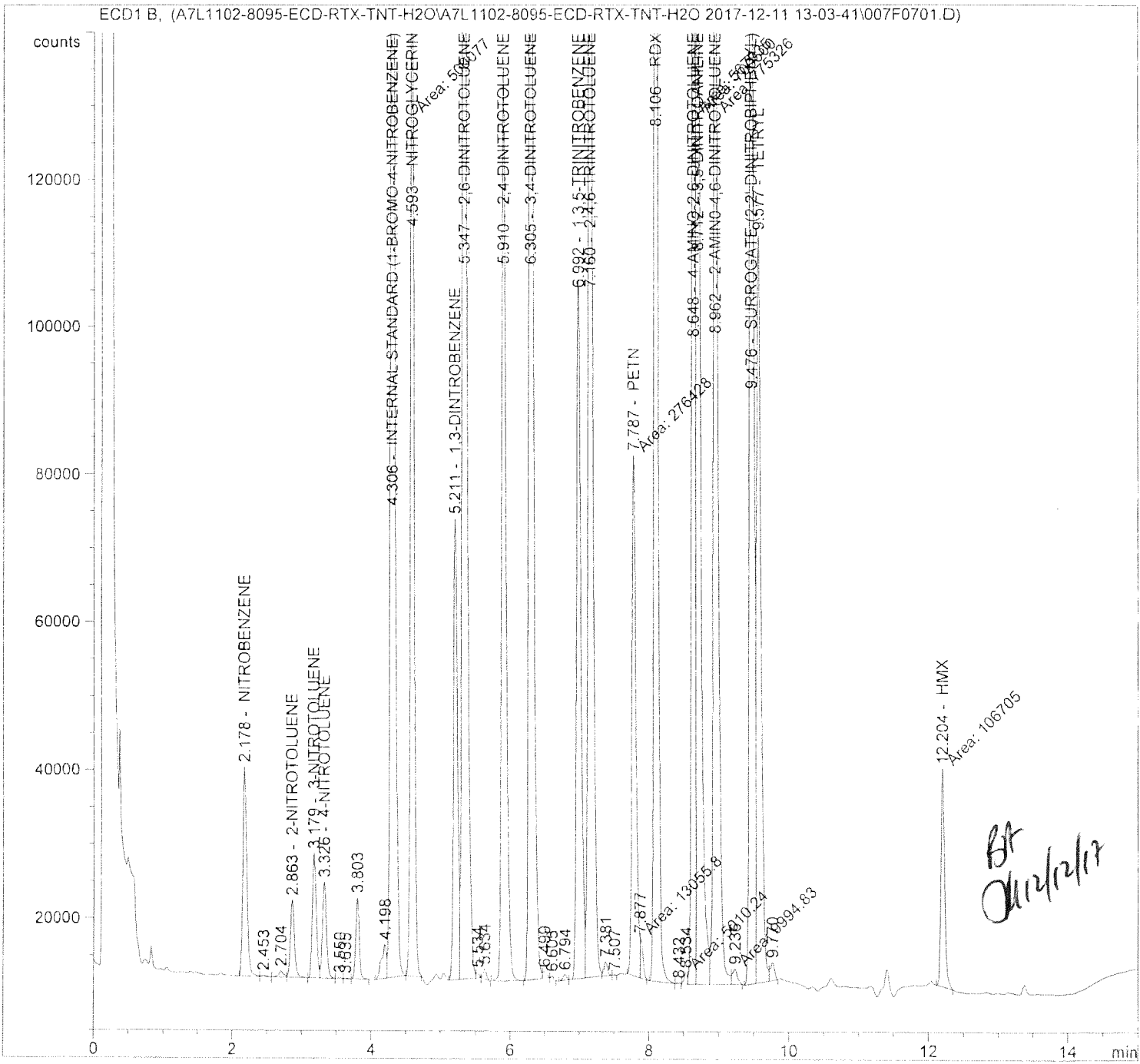
Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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: A7L1102-CAL5

```

=====
Acq. Operator   : JJK                               Seq. Line :    7
Acq. Instrument : 3336A52146                         Location  : Vial 7
Injection Date  : 12/11/2017 3:13:25 PM              Inj       :    1
                                                    Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                (modified after loading)
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 :      12/12/2017 12:34:44 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)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.178	1	BV	1	2.81683e4	6.29171	1.02400e-1		NITROBENZENE
2.863	1	VB	1	1.03360e4	17.47538	1.04364e-1		2-NITROTOLUENE
3.179	1	BV	1	1.67300e4	10.71203	1.03547e-1		3-NITROTOLUENE
3.326	1	VB	1	1.29088e4	13.95927	1.04116e-1		4-NITROTOLUENE
4.306	1	VB +I	1	2.16341e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.593	1	MM	1	1.46077e5	1.19640	1.00978e-1		NITROGLYCERIN
5.211	1	BV	1	6.21532e4	2.86493	1.02884e-1		1,3-DINITROBENZENE
5.347	1	VV	1	2.22234e5	7.80408e-1	1.00208e-1		2,6-DINITROTOLUENE
5.910	1	BB	1	1.23443e5	1.41400	1.00853e-1		2,4-DINITROTOLUENE
6.305	1	EV	1	2.34993e5	7.34670e-1	9.97511e-2		3,4-DINITROTOLUENE
6.992	1	BV	1	9.44218e4	1.85167	1.01019e-1		1,3,5-TRINITROBENZENE
7.160	1	VV	1	2.00933e5	9.52326e-1	1.10563e-1		2,4,6-TRINITROTOLUENE
7.787	1	MF	1	7.01330e4	2.48307	1.00619e-1		PETN
8.106	1	BB	1	2.49242e5	6.95530e-1	1.00163e-1		RDX
8.648	1	MF	1	1.57863e5	1.09259	9.96567e-2		4-AMINO-2,6-DINITROTOLUENE
8.712	1	FM	1	1.65387e5	1.03461	9.88661e-2		3,5-DINITROANILINE
8.962	1	FM	1	1.80433e5	9.52039e-1	9.92524e-2		2-AMINO-4,6-DINITROTOLUENE
9.476	1	BV +	1	1.78127e5	9.80024e-1	1.00864e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.577	1	VV	1	1.01041e5	1.75055	1.02197e-1		TETRYL
12.204	1	MM	1	2.91191e4	8.71481	1.46624e-1		HMX

Sample Name: A7L1102-CAL5

```
=====
Acq. Operator   : JJK                               Seq. Line :    7
Acq. Instrument : 3336A52146                         Location  : Vial 7
Injection Date  : 12/11/2017 3:13:25 PM                Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====
```

```
Totals without ISTD(s) :                      1.97893
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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

Sample Name: A7L1102-CAL6

=====

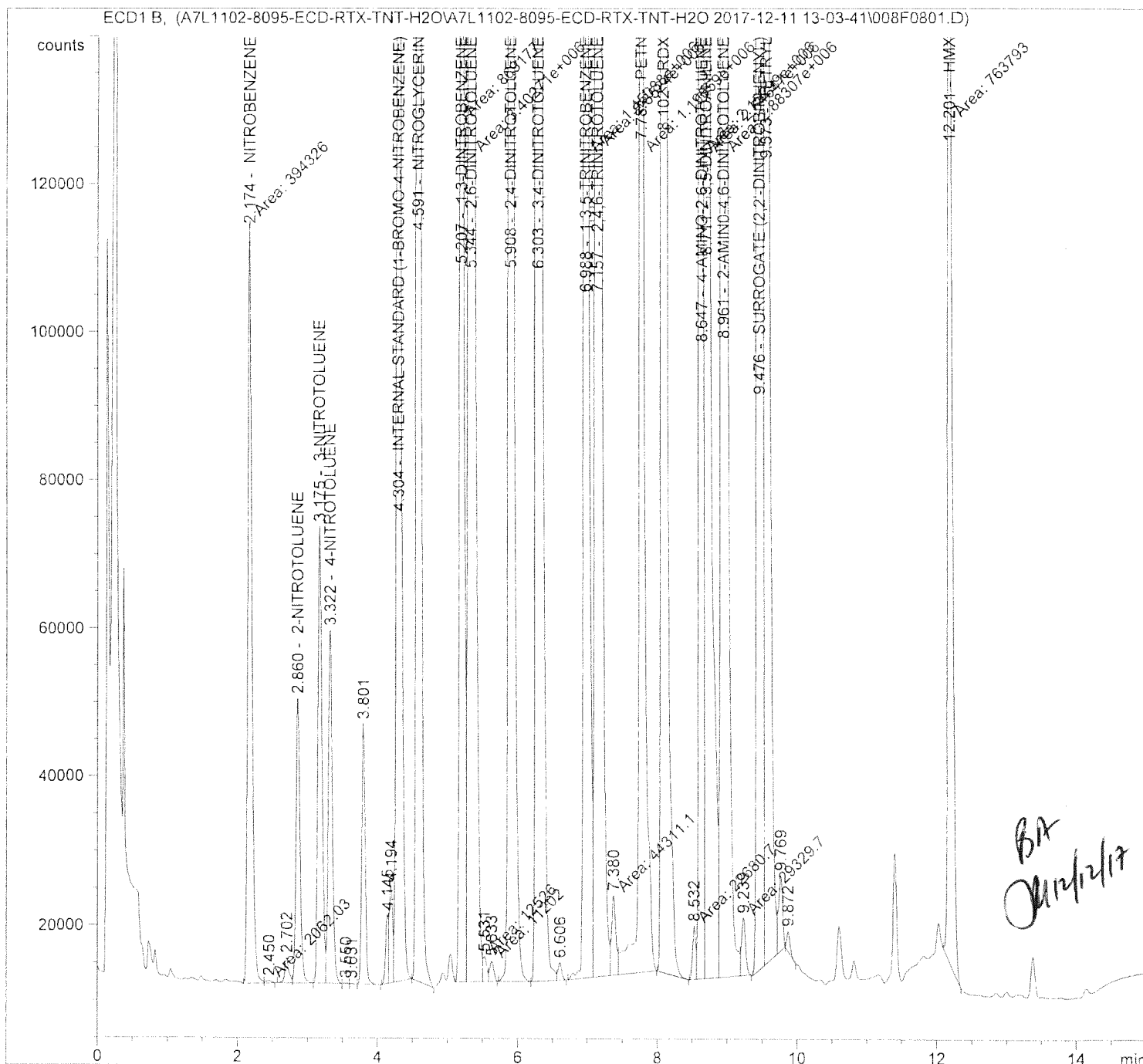
Acq. Operator : JJK Seq. Line : 8
Acq. Instrument : 3336A52146 Location : Vial 8
Injection Date : 12/11/2017 3:34:39 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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	: JJK	Seq. Line	: 8
Acq. Instrument	: 3336A52146	Location	: Vial 8
Injection Date	: 12/11/2017 3:34:39 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.174	1	MF	1	1.02937e5	7.14543	3.95601e-1		NITROBENZENE
2.860	1	VB	1	3.81466e4	18.71677	3.84011e-1		2-NITROTOLUENE
3.175	1	BV	1	6.14244e4	12.58731	4.15844e-1		3-NITROTOLUENE
3.322	1	VB	1	4.74048e4	15.59235	3.97548e-1		4-NITROTOLUENE
4.304	1	VB +I	1	2.32409e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.591	1	BB	1	5.71705e5	1.31257	4.03601e-1		NITROGLYCERIN
5.207	1	MF	1	2.15768e5	3.23818	3.75789e-1		1,3-DINITROBENZENE
5.344	1	MF	1	8.20951e5	9.19890e-1	4.06172e-1		2,6-DINITROTOLUENE
5.908	1	BB	1	4.38233e5	1.70143	4.01028e-1		2,4-DINITROTOLUENE
6.303	1	BV	1	8.85056e5	8.43286e-1	4.01423e-1		3,4-DINITROTOLUENE
6.988	1	MF	1	3.44360e5	2.09193	3.87451e-1		1,3,5-TRINITROBENZENE
7.157	1	MF	1	6.67958e5	1.06215	3.81586e-1		2,4,6-TRINITROTOLUENE
7.784	1	FM	1	2.74171e5	2.76552	4.07807e-1		PETN
8.102	1	BB	1	1.06460e6	6.95942e-1	3.98489e-1		RDX
8.647	1	FM	1	5.84098e5	1.31689	4.13707e-1		4-AMINO-2,6-DINITROTOLUENE
8.711	1	MF	1	6.34643e5	1.25424	4.28121e-1		3,5-DINITROANILINE
8.961	1	MF	1	6.78212e5	1.14734	4.18517e-1		2-AMINO-4,6-DINITROTOLUENE
9.476	1	BV +	1	6.67969e5	1.10170	3.95800e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.573	1	VV	1	3.68887e5	1.36130	2.70087e-1		TETRYL
12.201	1	MM	1	1.93501e5	8.52679	8.87410e-1		HMX

not in cal curve

12/12/17

Sample Name: A7L1102-CAL6

```
=====
Acq. Operator   : JJK                               Seq. Line :    8
Acq. Instrument : 3336A52146                         Location  : Vial 8
Injection Date  : 12/11/2017 3:34:39 PM                Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====
```

Totals without ISTD(s) : 7.96999

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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

Sample Name: A7L1102-IBL3

=====

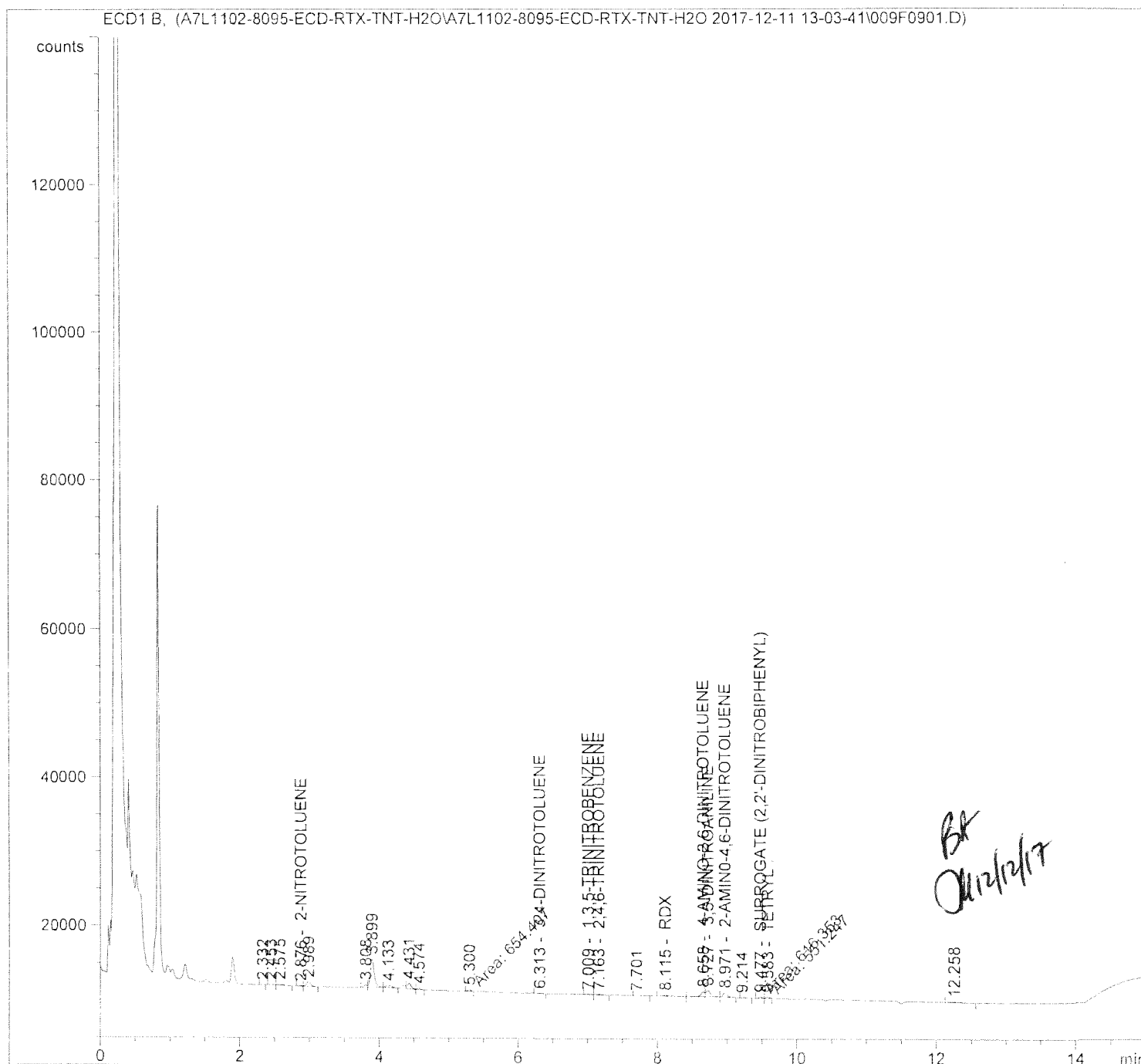
Acq. Operator : JJK Seq. Line : 9
Acq. Instrument : 3336A52146 Location : Vial 9
Injection Date : 12/11/2017 3:55:54 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====



=====

Acq. Operator	: JJK	Seq. Line	: 9
Acq. Instrument	: 3336A52146	Location	: Vial 9
Injection Date	: 12/11/2017 3:55:54 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.176	1		1	-	-	-		NITROBENZENE
2.876	1	BV	1	55.93048	0.00000	0.00000		2-NITROTOLUENE
3.186	1		1	-	-	-		3-NITROTOLUENE
3.328	1		1	-	-	-		4-NITROTOLUENE
4.304	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.594	1		1	-	-	-		NITROGLYCERIN
5.217	1		1	-	-	-		1,3-DINITROBENZENE
5.350	1		1	-	-	-		2,6-DINITROTOLUENE
5.915	1		1	-	-	-		2,4-DINITROTOLUENE
6.313	1	BB	1	61.73473	0.00000	0.00000		3,4-DINITROTOLUENE
7.009	1	BV	1	38.75983	0.00000	0.00000		1,3,5-TRINITROBENZENE
7.163	1	VB	1	71.65092	0.00000	0.00000		2,4,6-TRINITROTOLUENE
7.790	1		1	-	-	-		PETN
8.115	1	BB	1	140.34126	0.00000	0.00000		RDX
8.658	1	BV	1	618.23151	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE
8.727	1	VB	1	805.59161	0.00000	0.00000		3,5-DINITROANILINE
8.971	1	BB	1	565.48352	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.477	1	MF +	1	152.30499	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.583	1	FM	1	145.03526	0.00000	0.00000		TETRYL
12.213	1		1	-	-	-		HMX

Handwritten signature

=====

Acq. Operator	: JJK	Seq. Line	: 9
Acq. Instrument	: 3336A52146	Location	: Vial 9
Injection Date	: 12/11/2017 3:55:54 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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.		

=====

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	: JJK	Seq. Line	: 12
Acq. Instrument	: 3336A52146	Location	: Vial 12
Injection Date	: 12/11/2017 4:59:42 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

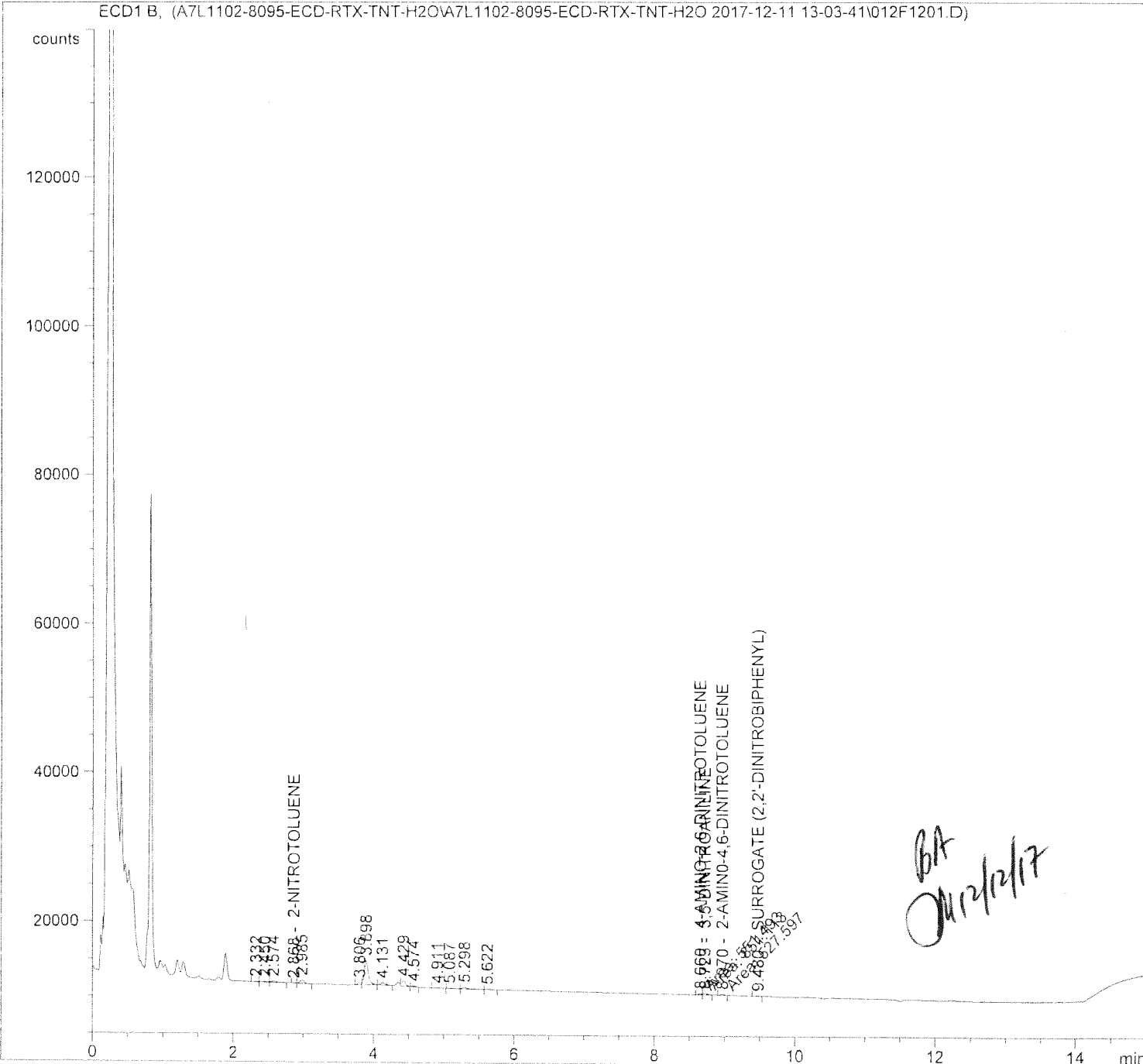
Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====



Sample Name: A7L1102-IBL4

```

=====
Acq. Operator   : JJK                               Seq. Line :   12
Acq. Instrument : 3336A52146                         Location  : Vial 12
Injection Date  : 12/11/2017 4:59:42 PM              Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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 CYCLOSPPLITTER LINER USING A GOLD SEAL.
=====

```

```

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

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      12/12/2017 12:34:44 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)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.177	1		1	-	-	-		NITROBENZENE
2.868	1	BV	1	37.67023	0.00000	0.00000		2-NITROTOLUENE
3.187	1		1	-	-	-		3-NITROTOLUENE
3.329	1		1	-	-	-		4-NITROTOLUENE
4.304	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.595	1		1	-	-	-		NITROGLYCERIN
5.218	1		1	-	-	-		1,3-DINITROBENZENE
5.351	1		1	-	-	-		2,6-DINITROTOLUENE
5.917	1		1	-	-	-		2,4-DINITROTOLUENE
6.309	1		1	-	-	-		3,4-DINITROTOLUENE
7.002	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.165	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.793	1		1	-	-	-		PETN
8.112	1		1	-	-	-		RDX
8.660	1	MF	1	153.31334	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE
8.723	1	FM	1	195.15616	0.00000	0.00000		3,5-DINITROANILINE
8.970	1	MM	1	134.23329	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE
9.480	1	BB +	1	37.20294	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.581	1		1	-	-	-		TETRYL
12.217	1		1	-	-	-		HMX

Sample Name: A7L1102-IBL4

```
=====
Acq. Operator   : JJK                               Seq. Line :   12
Acq. Instrument : 3336A52146                         Location  : Vial 12
Injection Date  : 12/11/2017 4:59:42 PM              Inj       :    1
                                                Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====
```

Totals without ISTD(s) : 0.00000

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

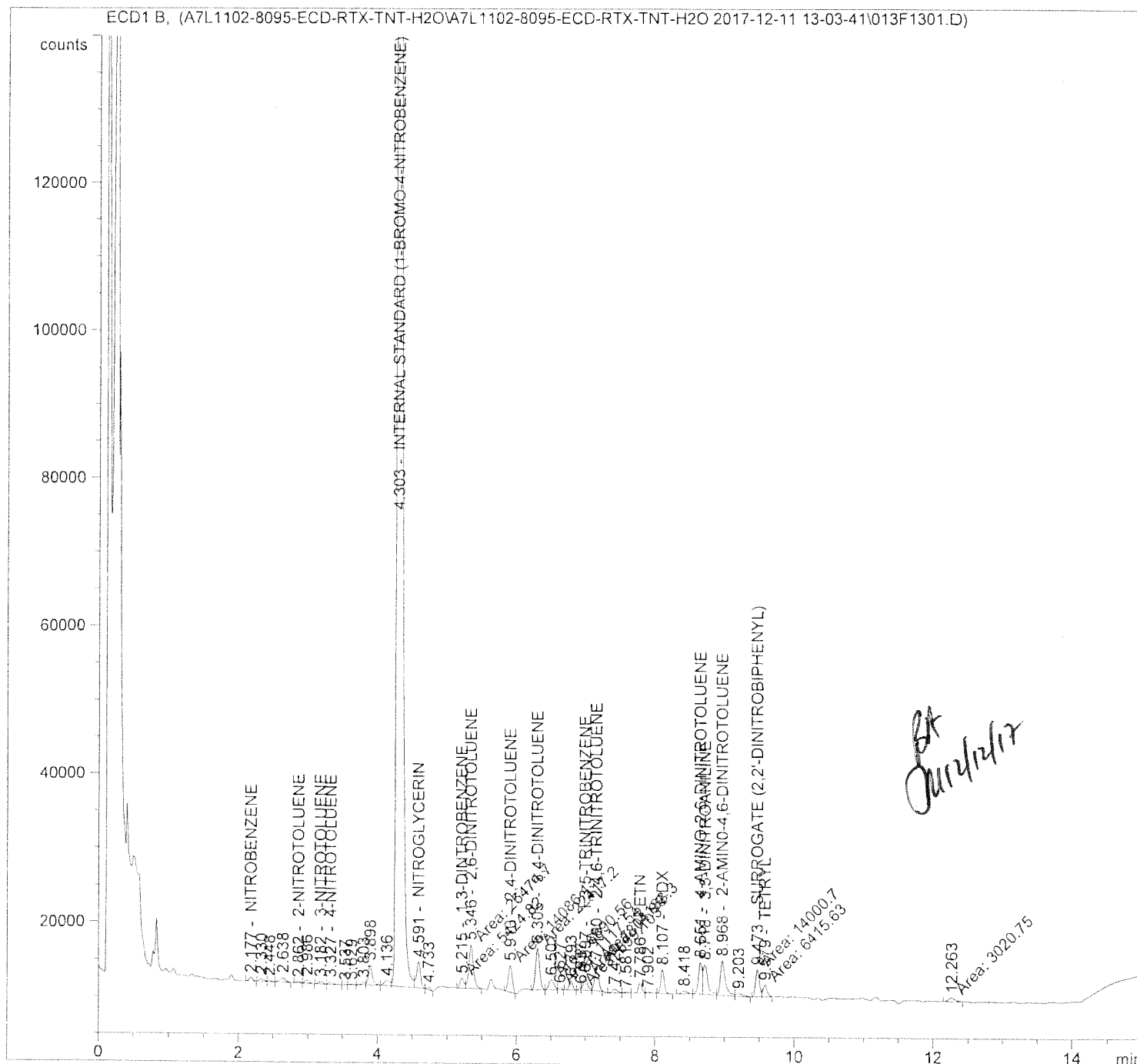
Warning : Time reference compound(s) not found

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

=====

Acq. Operator	: JJK	Seq. Line	: 13
Acq. Instrument	: 3336A52146	Location	: Vial 13
Injection Date	: 12/11/2017 5:20:53 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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.		

=====



Internal Standard Report

#

Signal 1: ECD1 B.

not needed
not in lines

=====

Acq. Operator	: JJK	Seq. Line	: 13
Acq. Instrument	: 3336A52146	Location	: Vial 13
Injection Date	: 12/11/2017 5:20:53 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

Totals without ISTD(s) : 1.84341e-2

2 Warnings or Errors :

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

=====

*** End of Report ***

method: C:\Chem32\2\METHODS\8095-ECD-RTX-440.M
Modified on: 11/9/2017 at 1:20:54 PM

Method Information

Method: C:\Chem32\2\METHODS\8095-ECD-RTX-440.M
Modified: 11/9/2017 at 1:20:54 PM

METHOD 8095 BY ECD, USING A RESTEK RTX-440 6 M BY 0.53 MM ID BY 0.5
UM FILM. (S/N 1500857) 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

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

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"

Operator : JJK
Date : 11/7/2017 1:04:36 PM
Change Info: Method saved. User comment: "CHANGED PURGE OFF FROM 15 TO 14
MINUTES 11/7/17 JJK"

Operator : JJK
Date : 11/9/2017 1:20:54 PM
Change Info: Method saved. User comment: "changed column serial number 11/9/17
jjk"

*Acquisition
method*

On 12/12/17

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

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	14.00
B (Valve 4)	Off	0.50	14.00

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

method: C:\Chem32\2\METHODS\8095-ECD-RTX-440.M
Modified on: 11/9/2017 at 1:20:54 PM

Detector Information

Detector A:

Type	ECD
State	ON

Signal Information

Save Data:

Signal 1

Signal 1:

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: 11/9/2017 at 1:20:54 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\A7L1102-8095-ECD-RTX-440-H2O.M
Modified on: 12/12/2017 at 2:02:33 PM

Method Information

Method: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Modified: 12/12/2017 at 2:02:33 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 : 12/12/2017 1:41:54 PM
Change Info: This method was created at 12/12/2017 1:41:54 PM and based on
method C:\CHEM32\2\METHODS\A7J3102-8095-ECD-RTX-440-H2O.M

Operator : RWJ
Date : 12/12/2017 1:42:01 PM
Change Info: Method saved. User comment: "CREATED 12/12/17 JJK"

Operator : RWJ
Date : 12/12/2017 2:02:33 PM
Change Info: Method saved. User comment: "UPDATED CAL TABLE 12/12/17 JJK"

*Processing
method*

On 12/12/17

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	1.556
Integration	OFF	13.085

method: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Modified on: 12/12/2017 at 2:02:33 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 : Tuesday, December 12, 2017 2:01:29 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						
1.792	1	1 1.000000e-3	329.09930	3.03860e-6	1		NITROBENZENE [2C]
		2 4.000000e-3	1249.73975	3.20067e-6			
		3 1.000000e-2	2804.10181	3.56620e-6			
		4 4.000000e-2	1.05395e4	3.79525e-6			
		5 1.000000e-1	2.46766e4	4.05241e-6			
		6 4.000000e-1	8.50702e4	4.70200e-6			
2.462	1	1 1.000000e-3	170.89748	5.85146e-6	1		2-NITROTOLUENE [2C]
		2 4.000000e-3	659.23059	6.06768e-6			
		3 1.000000e-2	1584.02527	6.31303e-6			
		4 4.000000e-2	6239.92676	6.41033e-6			
		5 1.000000e-1	1.50324e4	6.65230e-6			
		6 4.000000e-1	5.30451e4	7.54075e-6			
2.810	1	1 1.000000e-3	238.88632	4.18609e-6	1		3-NITROTOLUENE [2C]
		2 4.000000e-3	866.57489	4.61587e-6			
		3 1.000000e-2	2024.40723	4.93972e-6			
		4 4.000000e-2	7608.08105	5.25757e-6			
		5 1.000000e-1	1.78820e4	5.59222e-6			

RetTime	Lvl	Amount	Height	Amt/Height	Ref	Grp	Name
[min]	Sig						
-----	--	-----	-----	-----	---	--	-----
		6 4.00000e-1	6.12876e4	6.52660e-6			
2.983	1	1 1.00000e-3	218.62579	4.57403e-6	1		4-NITROTOLUENE [2C]
		2 4.00000e-3	815.46802	4.90516e-6			
		3 1.00000e-2	1950.15540	5.12780e-6			
		4 4.00000e-2	7411.91504	5.39672e-6			
		5 1.00000e-1	1.75428e4	5.70035e-6			
		6 4.00000e-1	6.11707e4	6.53907e-6			
4.104	1	1 1.25000e-1	1.03899e5	1.20309e-6	+11		INTERNAL STANDARD (1-BROMO-4-NITROBENZ)
		2 1.25000e-1	1.08192e5	1.15536e-6			
		3 1.25000e-1	1.06978e5	1.16847e-6			
		4 1.25000e-1	1.11679e5	1.11928e-6			
		5 1.25000e-1	1.11618e5	1.11989e-6			
		6 1.25000e-1	1.16965e5	1.06870e-6			
4.494	1	1 1.00000e-3	1247.07715	8.01875e-7	1		NITROGLYCERIN [2C]
		2 4.00000e-3	5204.85645	7.68513e-7			
		3 1.00000e-2	1.28309e4	7.79368e-7			
		4 4.00000e-2	5.01769e4	7.97179e-7			
		5 1.00000e-1	1.22499e5	8.16335e-7			
		6 4.00000e-1	4.51583e5	8.85774e-7			
5.208	1	1 1.00000e-3	1585.35718	6.30773e-7	1		2,6-DINITROTOLUENE [2C]
		2 4.00000e-3	6236.35156	6.41401e-7			
		3 1.00000e-2	1.42032e4	7.04065e-7			
		4 4.00000e-2	5.01190e4	7.98100e-7			
		5 1.00000e-1	1.16882e5	8.55567e-7			
		6 4.00000e-1	4.12345e5	9.70061e-7			
5.267	1	1 1.00000e-3	471.22952	2.12211e-6	1		1,3-DINTROBENZENE [2C]
		2 4.00000e-3	1914.06201	2.08980e-6			
		3 1.00000e-2	5506.28418	1.81611e-6			
		4 4.00000e-2	1.62988e4	2.45417e-6			
		5 1.00000e-1	4.05283e4	2.46741e-6			
		6 4.00000e-1	1.35976e5	2.94169e-6			
5.898	1	1 1.00000e-3	905.44702	1.10443e-6	1		2,4-DINITROTOLUENE [2C]
		2 4.00000e-3	3466.83936	1.15379e-6			
		3 1.00000e-2	7841.25537	1.27531e-6			
		4 4.00000e-2	2.78828e4	1.43458e-6			
		5 1.00000e-1	6.43349e4	1.55437e-6			
		6 4.00000e-1	2.23072e5	1.79314e-6			
6.207	1	1 1.00000e-3	1894.68518	5.27792e-7	1		3,4-DINITROTOLUENE [2C]
		2 4.00000e-3	6594.81152	6.06537e-7			
		3 1.00000e-2	1.47053e4	6.80025e-7			
		4 4.00000e-2	5.19639e4	7.69766e-7			
		5 1.00000e-1	1.22119e5	8.18871e-7			
		6 4.00000e-1	4.33635e5	9.22434e-7			
7.475	1	1 1.00000e-3	1180.49390	8.47103e-7	1		2,4,6-TRINITROTOLUENE [2C]
		2 4.00000e-3	4162.47852	9.60966e-7			
		3 1.00000e-2	1.02315e4	9.77372e-7			
		4 4.00000e-2	4.21021e4	9.50070e-7			
		5 1.00000e-1	1.04567e5	9.56328e-7			
		6 4.00000e-1	3.29510e5	1.21392e-6			
7.721	1	1 1.00000e-3	552.60797	1.80960e-6	1		1,3,5-TRINITROBENZENE [2C]
		2 4.00000e-3	2527.56226	1.58255e-6			
		3 1.00000e-2	5611.28906	1.78212e-6			
		4 4.00000e-2	2.11078e4	1.89504e-6			
		5 1.00000e-1	4.96008e4	2.01610e-6			
		6 4.00000e-1	1.73967e5	2.29928e-6			
7.780	1	1 1.00000e-3	692.57477	1.44389e-6	1		PETN [2C]
		2 4.00000e-3	2850.45239	1.40329e-6			

RetTime	Lvl	Amount	Height	Amt/Height	Ref	Grp	Name
[min]	Sig						
-----	----	-----	-----	-----	----	----	-----
		3 1.000000e-2	6828.65723	1.46442e-6			
		4 4.000000e-2	2.64557e4	1.51196e-6			
		5 1.000000e-1	6.57880e4	1.52003e-6			
		6 4.000000e-1	2.42683e5	1.64824e-6			
8.339	1	1 1.000000e-3	1340.05200	7.46240e-7	1		RDX [2C]
		2 4.000000e-3	4610.04541	8.67670e-7			
		3 1.000000e-2	1.17199e4	8.53250e-7			
		4 4.000000e-2	5.38855e4	7.42314e-7			
		5 1.000000e-1	1.36686e5	7.31605e-7			
		6 4.000000e-1	5.28596e5	7.56721e-7			
8.698	1	1 1.000000e-3	1198.00232	8.34723e-7	1		4-AMINO-2,6-DINITROTOLUENE [2C]
		2 4.000000e-3	3994.56226	1.00136e-6			
		3 1.000000e-2	8830.87109	1.13239e-6			
		4 4.000000e-2	3.20561e4	1.24781e-6			
		5 1.000000e-1	7.28362e4	1.37294e-6			
		6 4.000000e-1	2.66792e5	1.49930e-6			
8.856	1	1 1.000000e-3	991.21899	1.00886e-6	1		3,5-DINITROANILINE [2C]
		2 4.000000e-3	3845.44287	1.04019e-6			
		3 1.000000e-2	8794.28516	1.13710e-6			
		4 4.000000e-2	3.24978e4	1.23085e-6			
		5 1.000000e-1	7.53637e4	1.32690e-6			
		6 4.000000e-1	2.71038e5	1.47581e-6			
9.030	1	1 1.000000e-3	1121.72302	8.91486e-7	1		2-AMINO-4,6-DINITROTOLUENE [2C]
		2 4.000000e-3	4543.32568	8.80412e-7			
		3 1.000000e-2	1.02616e4	9.74512e-7			
		4 4.000000e-2	3.75333e4	1.06572e-6			
		5 1.000000e-1	8.71342e4	1.14766e-6			
		6 4.000000e-1	3.17825e5	1.25855e-6			
9.414	1	1 1.000000e-3	961.57190	1.03996e-6	+ 1		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
		2 4.000000e-3	3824.79785	1.04581e-6			
		3 1.000000e-2	9418.16895	1.06178e-6			
		4 4.000000e-2	3.89299e4	1.02749e-6			
		5 1.000000e-1	9.40716e4	1.06302e-6			
		6 4.000000e-1	3.42732e5	1.16709e-6			
9.891	1	1 1.000000e-3	65.13924	1.53517e-5	1		TETRYL [2C]
		2 4.000000e-3	484.41000	8.25747e-6			
		3 1.000000e-2	1883.34595	5.30970e-6			
		4 4.000000e-2	1.53712e4	2.60227e-6			
		5 1.000000e-1	3.90654e4	2.55981e-6			
12.861	1	1 1.000000e-3	41.09032	2.43366e-5	1		HMX [2C]
		2 4.000000e-3	175.70932	2.27649e-5			
		3 1.000000e-2	564.24469	1.77228e-5			
		4 4.000000e-2	3099.57886	1.29050e-5			
		5 1.000000e-1	1.03843e4	9.62996e-6			
		6 4.000000e-1	5.77226e4	6.92970e-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]

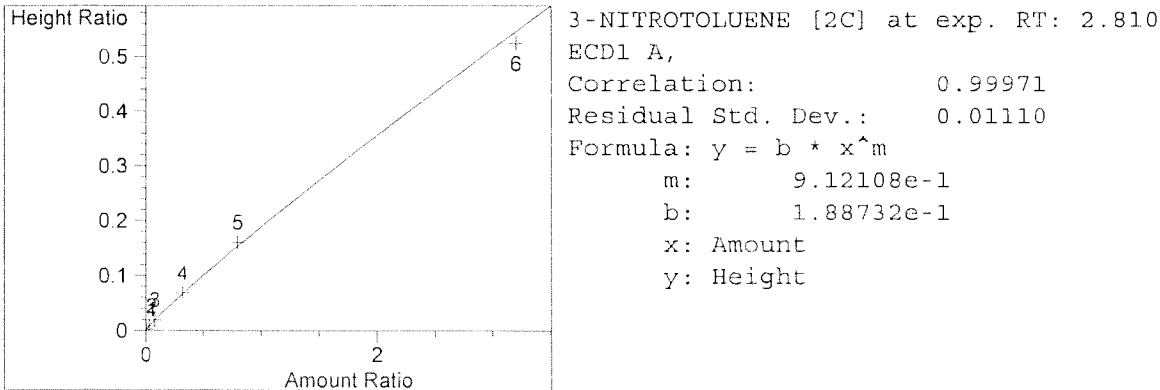
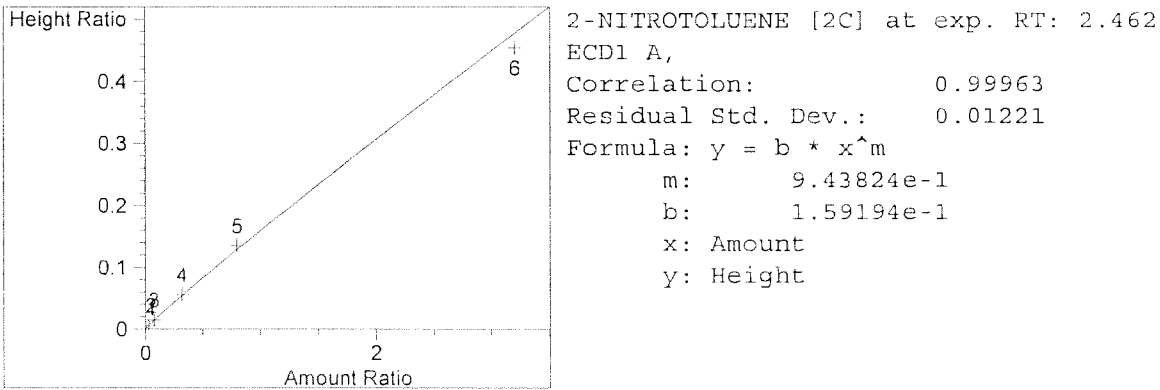
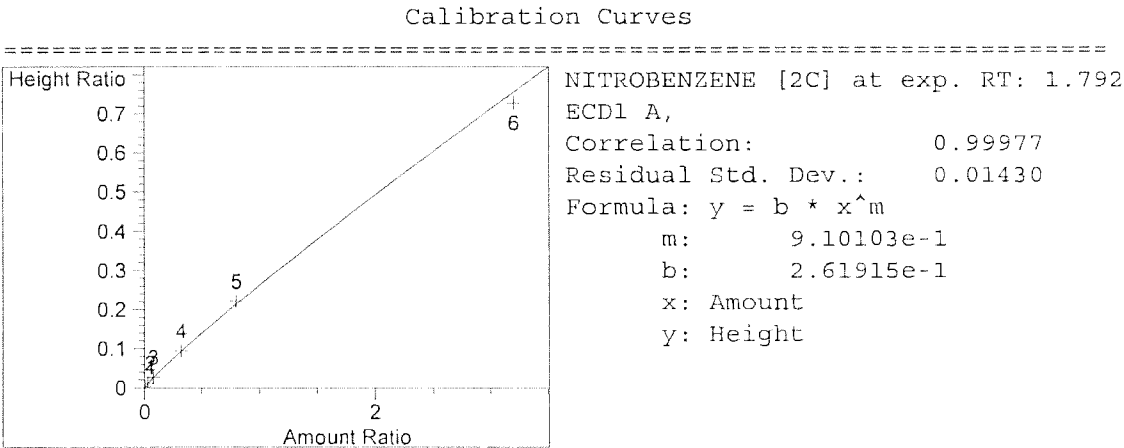
Curve Type : Power
Origin : Ignored

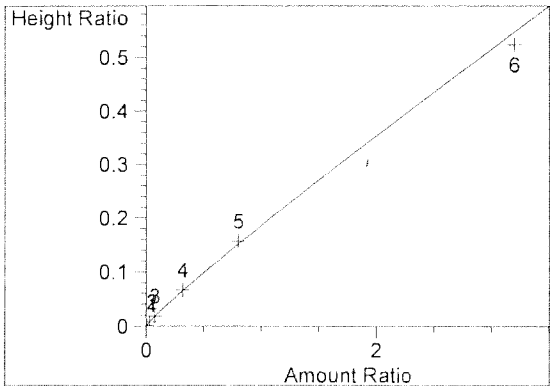
1 Warnings or Errors :

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

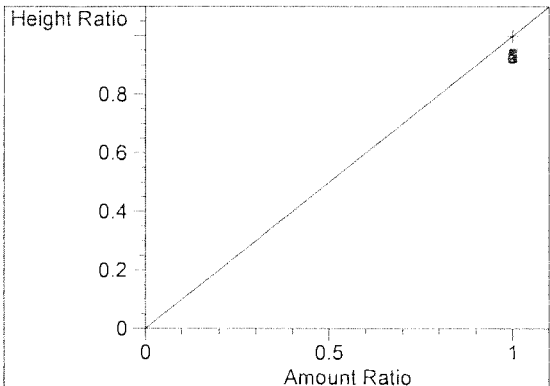
=====
Peak Sum Table
=====

No Entries in table
=====

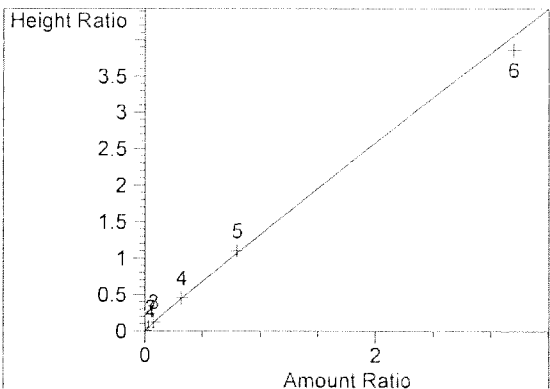




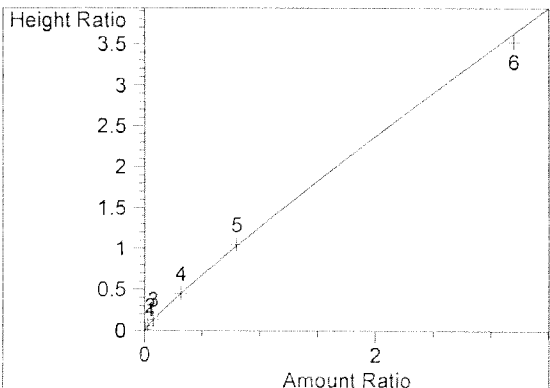
4-NITROTOLUENE [2C] at exp. RT: 2.983
ECD1 A,
Correlation: 0.99971
Residual Std. Dev.: 0.01221
Formula: $y = b * x^m$
m: 9.25997e-1
b: 1.86193e-1
x: Amount
y: Height



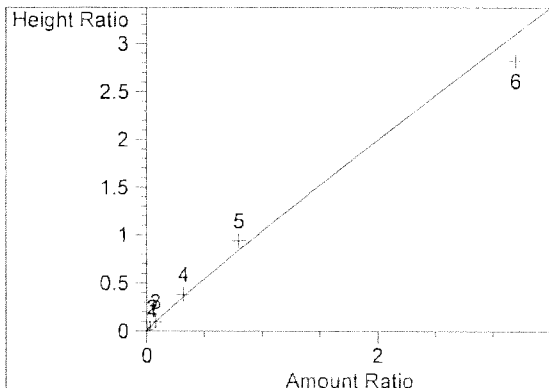
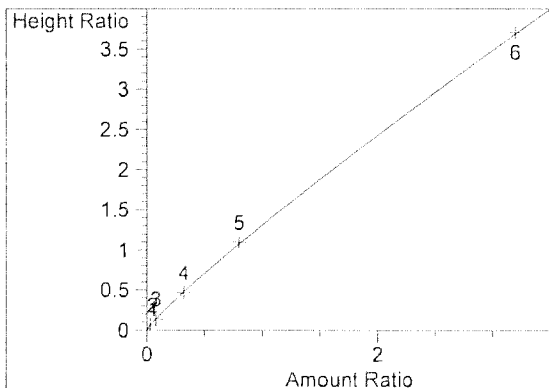
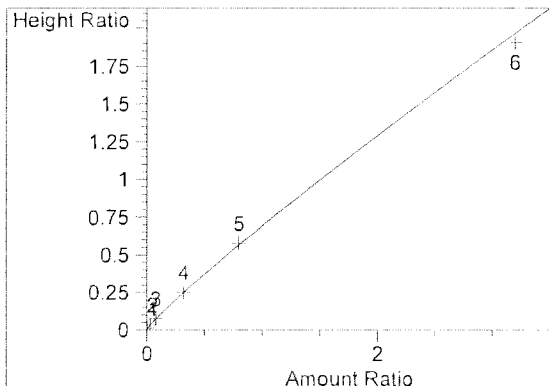
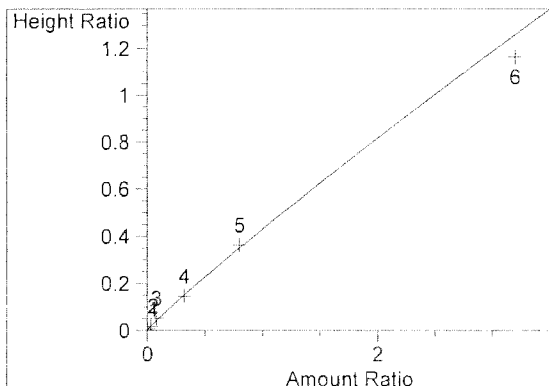
INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C] at exp. RT: 2.983
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount
y: Height

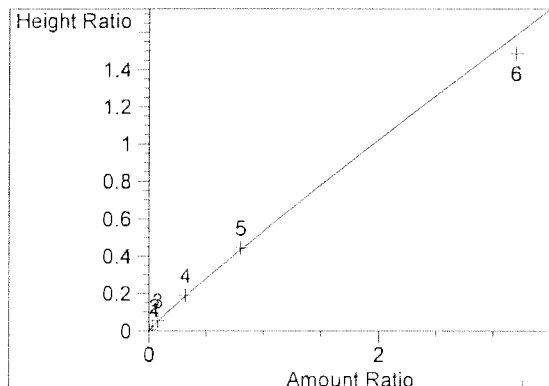


NITROGLYCERIN [2C] at exp. RT: 4.494
ECD1 A,
Correlation: 0.99976
Residual Std. Dev.: 0.10173
Formula: $y = b * x^m$
m: 9.64892e-1
b: 1.32216
x: Amount
y: Height

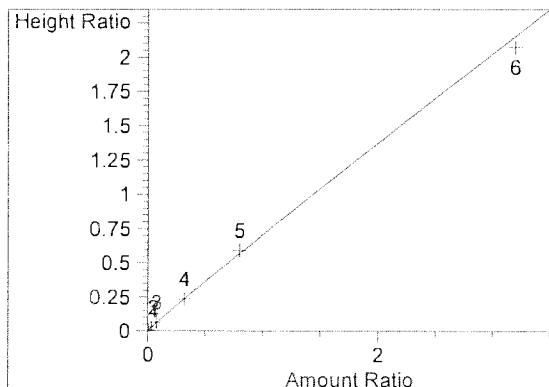


2,6-DINITROTOLUENE [2C] at exp. RT: 5.208
ECD1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.05024
Formula: $y = b * x^m$
m: 9.05571e-1
b: 1.26423
x: Amount
y: Height

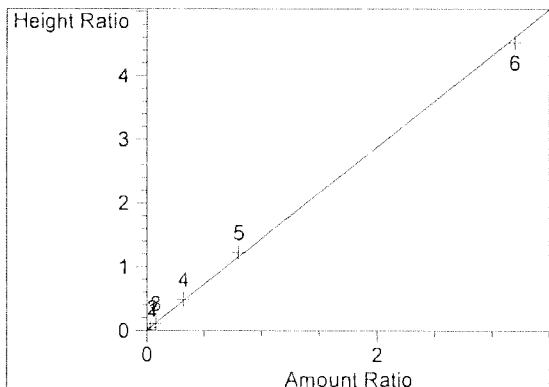




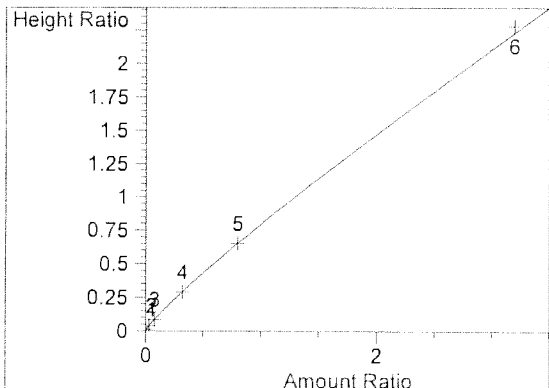
1,3,5-TRINITROBENZENE [2C] at exp. RT: 7.721
 ECD1 A,
 Correlation: 0.99969
 Residual Std. Dev.: 0.05013
 Formula: $y = b * x^m$
 m: 9.34224e-1
 b: 5.35366e-1
 x: Amount
 y: Height



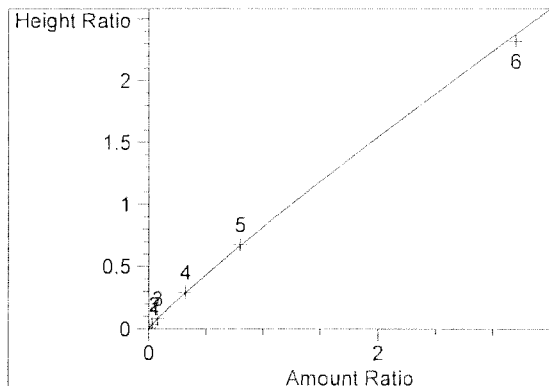
PETN [2C] at exp. RT: 7.780
 ECD1 A,
 Correlation: 0.99981
 Residual Std. Dev.: 0.04079
 Formula: $y = b * x^m$
 m: 9.59230e-1
 b: 7.05817e-1
 x: Amount
 y: Height



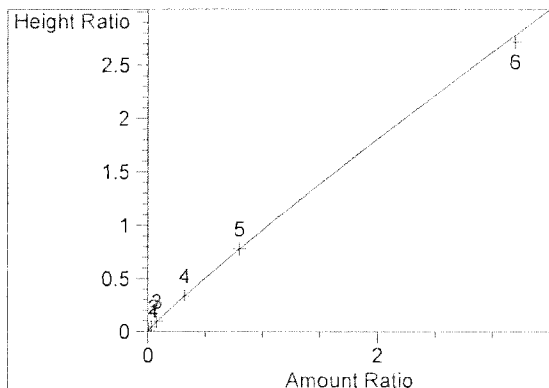
RDX [2C] at exp. RT: 8.339
 ECD1 A,
 Correlation: 0.99979
 Residual Std. Dev.: 0.05442
 Formula: $y = b * x^m$
 m: 9.95618e-1
 b: 1.44575
 x: Amount
 y: Height



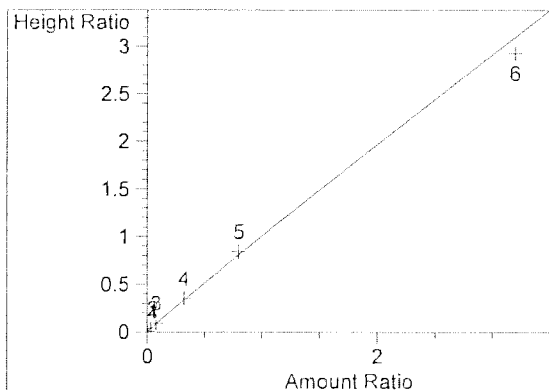
4-AMINO-2,6-DINITROTOLUENE [2C] at exp. RT: 8.698
 ECD1 A,
 Correlation: 0.99997
 Residual Std. Dev.: 0.02682
 Formula: $y = b * x^m$
 m: 8.85244e-1
 b: 7.95484e-1
 x: Amount
 y: Height



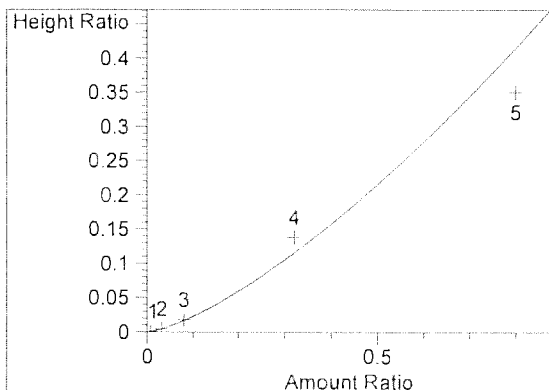
3,5-DINITROANILINE [2C] at exp. RT: 8.856
 ECD1 A,
 Correlation: 0.99994
 Residual Std. Dev.: 0.02955
 Formula: $y = b * x^m$
 m: 9.16104e-1
 b: 8.18512e-1
 x: Amount
 y: Height



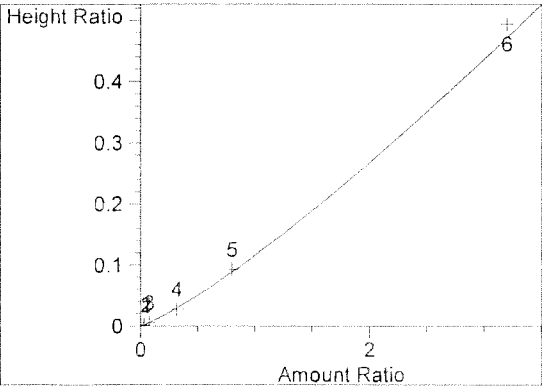
2-AMINO-4,6-DINITROTOLUENE [2C] at exp. RT: 9.030
 ECD1 A,
 Correlation: 0.99997
 Residual Std. Dev.: 0.03108
 Formula: $y = b * x^m$
 m: 9.18784e-1
 b: 9.54574e-1
 x: Amount
 y: Height



SURROGATE (2,2'-DINITROBIPHENYL) [2C] at exp. RT: 9.414
 ECD1 A,
 Correlation: 0.99964
 Residual Std. Dev.: 0.08582
 Formula: $y = b * x^m$
 m: 9.67462e-1
 b: 1.00550
 x: Amount
 y: Height



TETRYL [2C] at exp. RT: 9.891
 ECD1 A,
 Correlation: 0.99299
 Residual Std. Dev.: 0.03935
 Formula: $y = b * x^m$
 m: 1.39904
 b: 5.66034e-1
 x: Amount
 y: Height



HMX [2C] at exp. RT: 12.861
ECD1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.01134
Formula: $y = b * x^m$
m: 1.20477
b: 1.16067e-1
x: Amount
y: Height

=====

=====

Acq. Operator	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 1
Injection Date	: 12/11/2017 1:09:44 PM	Inj	: 1
		Inj Volume	: Manually

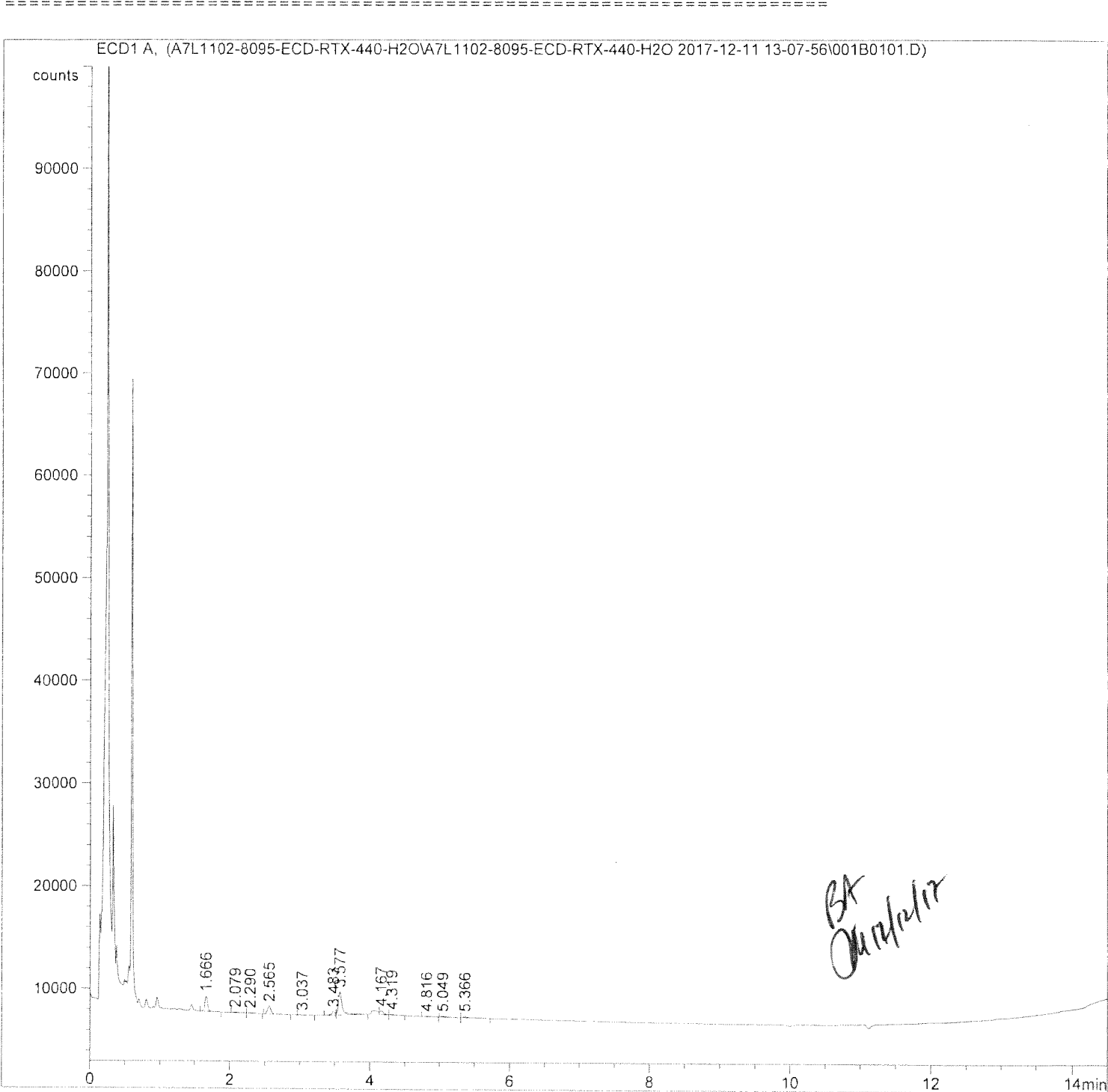
Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 1
Injection Date	: 12/11/2017 1:09:44 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.792	1		1	-	-	-		NITROBENZENE [2C]
2.462	1		1	-	-	-		2-NITROTOLUENE [2C]
2.810	1		1	-	-	-		3-NITROTOLUENE [2C]
2.983	1		1	-	-	-		4-NITROTOLUENE [2C]
4.104	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1		1	-	-	-		NITROGLYCERIN [2C]
5.208	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.267	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.898	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.207	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.475	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.721	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.780	1		1	-	-	-		PETN [2C]
8.339	1		1	-	-	-		RDX [2C]
8.698	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.856	1		1	-	-	-		3,5-DINITROANILINE [2C]
9.030	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.891	1		1	-	-	-		TETRYL [2C]
12.861	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

=====

Acq. Operator	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 1
Injection Date	: 12/11/2017 1:09:44 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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 : Tuesday, December 12, 2017 2:01:29 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	1.792	1		0.00000	0.00000	NITROBENZENE [2C]
2	2.462	1		0.00000	0.00000	2-NITROTOLUENE [2C]
3	2.810	1		0.00000	0.00000	3-NITROTOLUENE [2C]
4	2.983	1		0.00000	0.00000	4-NITROTOLUENE [2C]
5	4.104	1	+I	0.00000	0.00000	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
6	4.494	1		0.00000	0.00000	NITROGLYCERIN [2C]
7	5.208	1		0.00000	0.00000	2,6-DINITROTOLUENE [2C]
8	5.267	1		0.00000	0.00000	1,3-DINTROBENZENE [2C]
9	5.898	1		0.00000	0.00000	2,4-DINITROTOLUENE [2C]
10	6.207	1		0.00000	0.00000	3,4-DINITROTOLUENE [2C]
11	7.475	1		0.00000	0.00000	2,4,6-TRINITROTOLUENE [2C]
12	7.721	1		0.00000	0.00000	1,3,5-TRINITROBENZENE [2C]
13	7.780	1		0.00000	0.00000	PETN [2C]
14	8.339	1		0.00000	0.00000	RDX [2C]
15	8.698	1		0.00000	0.00000	4-AMINO-2,6-DINITROTOLUENE [2C]
16	8.856	1		0.00000	0.00000	3,5-DINITROANILINE [2C]
17	9.030	1		0.00000	0.00000	2-AMINO-4,6-DINITROTOLUENE [2C]
18	9.414	1	+	0.00000	0.00000	SURROGATE (2,2'-DINITROBIPHENYL) [2C]
19	9.891	1		0.00000	0.00000	TETRYL [2C]
20	12.861	1		0.00000	0.00000	HMX [2C]

=====

Acq. Operator	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 1
Injection Date	: 12/11/2017 1:09:44 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 2
Injection Date	: 12/11/2017 1:31:38 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

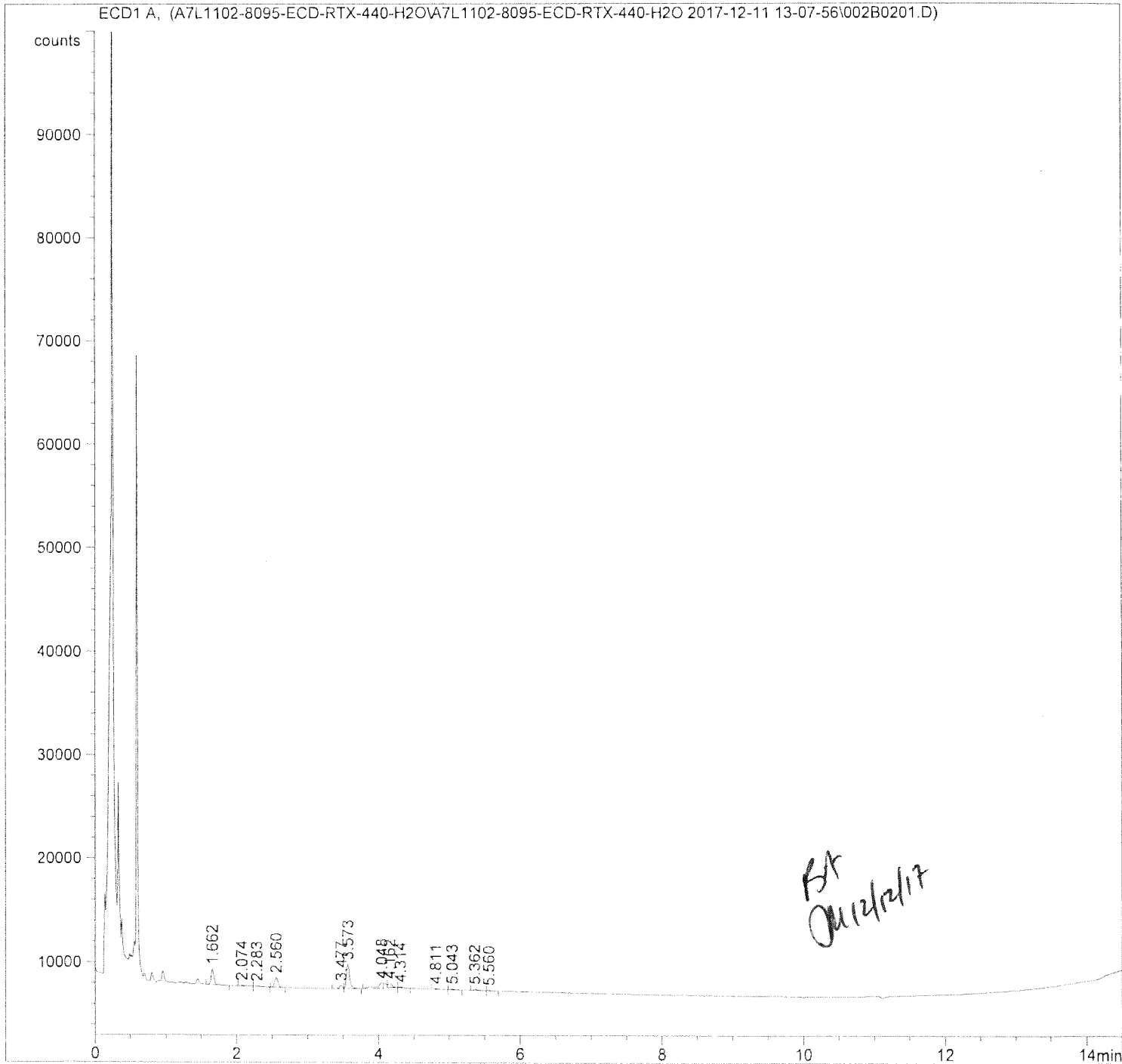
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 2
Injection Date	: 12/11/2017 1:31:38 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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 : Tuesday, December 12, 2017 2:01:29 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
1.792	1		1	-	-	-		NITROBENZENE [2C]
2.462	1		1	-	-	-		2-NITROTOLUENE [2C]
2.810	1		1	-	-	-		3-NITROTOLUENE [2C]
2.983	1		1	-	-	-		4-NITROTOLUENE [2C]
4.104	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1		1	-	-	-		NITROGLYCERIN [2C]
5.208	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.267	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.898	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.207	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.475	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.721	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.780	1		1	-	-	-		PETN [2C]
8.339	1		1	-	-	-		RDX [2C]
8.698	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE [2C]
8.856	1		1	-	-	-		3,5-DINITROANILINE [2C]
9.030	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.891	1		1	-	-	-		TETRYL [2C]
12.861	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

=====

Acq. Operator	: jjk	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 2
Injection Date	: 12/11/2017 1:31:38 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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 : Tuesday, December 12, 2017 2:01:29 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	1.792	1		0.00000	0.00000	NITROBENZENE [2C]
2	2.462	1		0.00000	0.00000	2-NITROTOLUENE [2C]
3	2.810	1		0.00000	0.00000	3-NITROTOLUENE [2C]
4	2.983	1		0.00000	0.00000	4-NITROTOLUENE [2C]
5	4.104	1	+I	0.00000	0.00000	INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
6	4.494	1		0.00000	0.00000	NITROGLYCERIN [2C]
7	5.208	1		0.00000	0.00000	2,6-DINITROTOLUENE [2C]
8	5.267	1		0.00000	0.00000	1,3-DINTROBENZENE [2C]
9	5.898	1		0.00000	0.00000	2,4-DINITROTOLUENE [2C]
10	6.207	1		0.00000	0.00000	3,4-DINITROTOLUENE [2C]
11	7.475	1		0.00000	0.00000	2,4,6-TRINITROTOLUENE [2C]
12	7.721	1		0.00000	0.00000	1,3,5-TRINITROBENZENE [2C]
13	7.780	1		0.00000	0.00000	PETN [2C]
14	8.339	1		0.00000	0.00000	RDX [2C]
15	8.698	1		0.00000	0.00000	4-AMINO-2,6-DINITROTOLUENE [2C]
16	8.856	1		0.00000	0.00000	3,5-DINITROANILINE [2C]
17	9.030	1		0.00000	0.00000	2-AMINO-4,6-DINITROTOLUENE [2C]
18	9.414	1	+	0.00000	0.00000	SURROGATE (2,2'-DINITROBIPHENYL) [2C]
19	9.891	1		0.00000	0.00000	TETRYL [2C]
20	12.861	1		0.00000	0.00000	HMX [2C]

Sample Name: A7L1102-IBL2

```
=====
Acq. Operator   : jjk                      Seq. Line :    2
Acq. Instrument : 3337G12416              Location  : Vial 2
Injection Date  : 12/11/2017 1:31:38 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-
                  H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 3
Acq. Instrument	: 3337G12416	Location	: Vial 3
Injection Date	: 12/11/2017 1:53:31 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

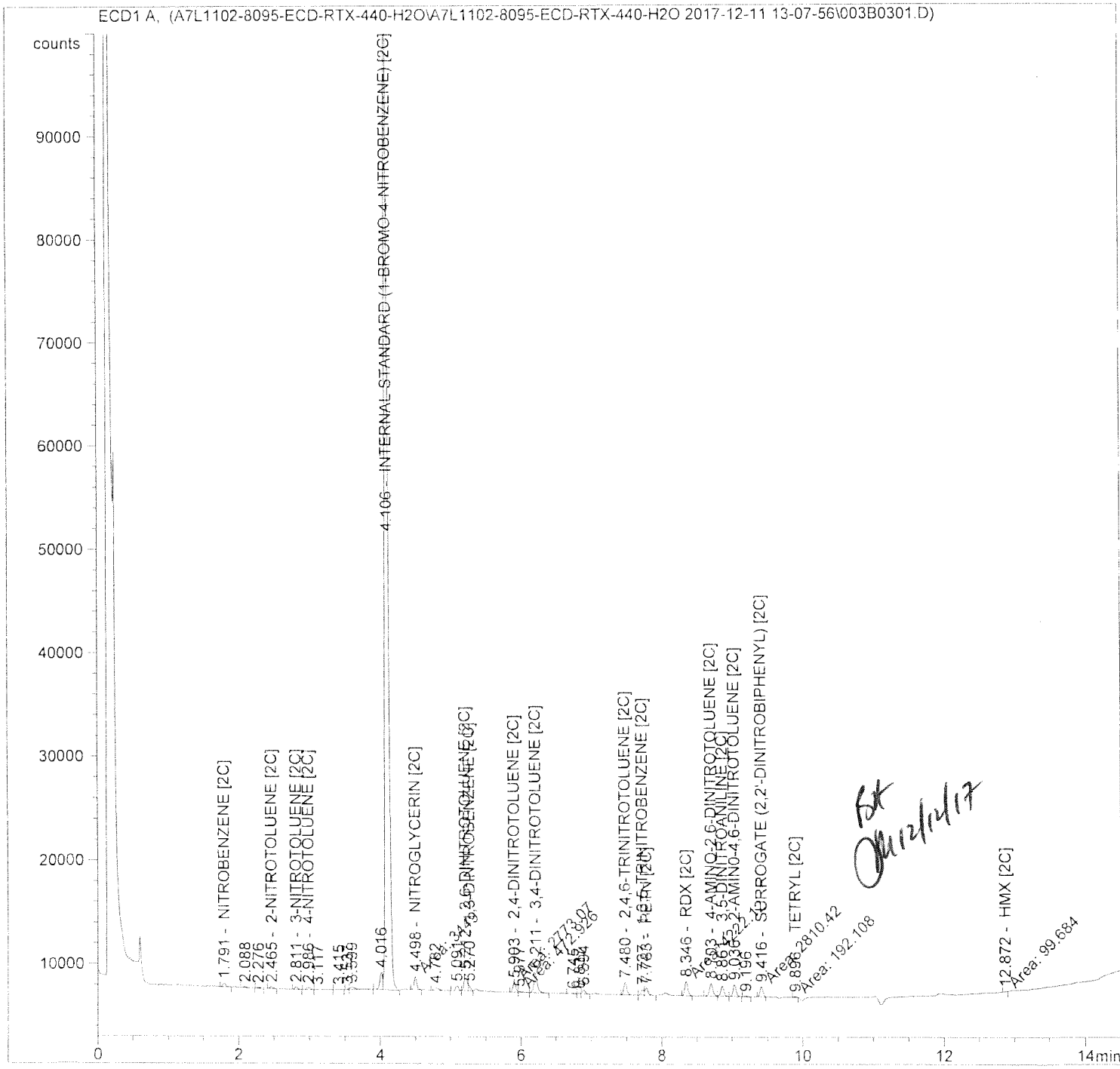
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 3
Acq. Instrument	: 3337G12416	Location	: Vial 3
Injection Date	: 12/11/2017 1:53:31 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.791	1	BB	1	329.09930	2.46854	9.77384e-4		NITROBENZENE [2C]
2.465	1	BB	1	170.89748	4.78499	9.83816e-4		2-NITROTOLUENE [2C]
2.811	1	BB	1	238.88632	3.46493	9.95825e-4		3-NITROTOLUENE [2C]
2.986	1	BB	1	218.62579	3.75360	9.87293e-4		4-NITROTOLUENE [2C]
4.106	1	VB +I	1	1.03899e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.498	1	MM	1	1247.07715	6.37408e-1	9.56331e-4		NITROGLYCERIN [2C]
5.212	1	BV	1	1585.35718	4.99047e-1	9.51845e-4		2,6-DINITROTOLUENE [2C]
5.270	1	VV B	1	471.22952	1.57510	8.92973e-4		1,3-DINITROBENZENE [2C]
5.903	1	MF	1	905.44702	8.81454e-1	9.60197e-4		2,4-DINITROTOLUENE [2C]
6.211	1	VB	1	1894.68518	4.47209e-1	1.01940e-3		3,4-DINITROTOLUENE [2C]
7.480	1	BB	1	1180.49390	7.15296e-1	1.01589e-3		2,4,6-TRINITROTOLUENE [2C]
7.727	1	BV	1	552.60797	1.35001	8.97533e-4		1,3,5-TRINITROBENZENE [2C]
7.783	1	VB	1	692.57477	1.16211	9.68303e-4		PETN [2C]
8.346	1	MM	1	1340.05200	6.77463e-1	1.09221e-3		RDX [2C]
8.703	1	BV	1	1198.00232	7.26111e-1	1.04655e-3		4-AMINO-2,6-DINITROTOLUENE [2C]
8.861	1	VV	1	991.21899	8.12659e-1	9.69115e-4		3,5-DINITROANILINE [2C]
9.036	1	VB	1	1121.72302	7.04899e-1	9.51283e-4		2-AMINO-4,6-DINITROTOLUENE [2C]
9.416	1	MM +	1	961.57190	8.49457e-1	9.82699e-4		SURROGATE (2,2'-DINITROBIPHENYL)
9.896	1	MM	1	65.13924	12.30750	9.64516e-4		TETRYL [2C]
12.872	1	MM	1	41.09032	22.63017	1.11873e-3		HMX [2C]

Totals without ISTD(s) : 1.87319e-2

On 12/12/17

=====

Acq. Operator	: jjk	Seq. Line	: 3
Acq. Instrument	: 3337G12416	Location	: Vial 3
Injection Date	: 12/11/2017 1:53:31 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

=====

Acq. Operator	: jjk	Seq. Line	: 4
Acq. Instrument	: 3337G12416	Location	: Vial 4
Injection Date	: 12/11/2017 2:15:21 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

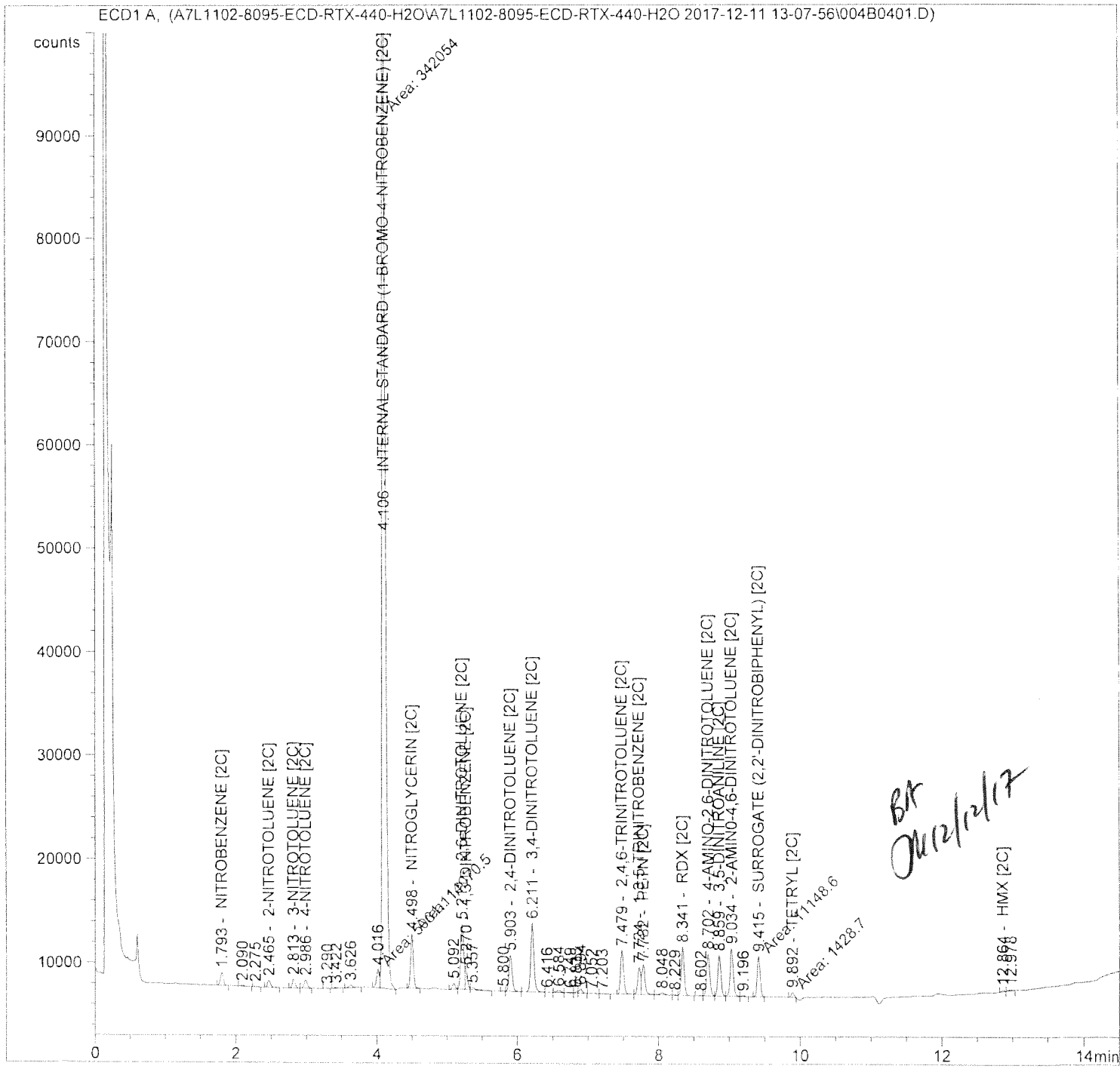
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====



Sample Name: A7L1102-CAL2

```

=====
Acq. Operator   : jjk                      Seq. Line :    4
Acq. Instrument : 3337G12416              Location  : Vial 4
Injection Date  : 12/11/2017 2:15:21 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-
                  H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====

```

```

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

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      Tuesday, December 12, 2017 2:01:29 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
1.793	1	BB	1	1249.73975	2.80508	4.05023e-3		NITROBENZENE [2C]
2.465	1	BB	1	659.23059	5.17286	3.93989e-3		2-NITROTOLUENE [2C]
2.813	1	BB	1	866.57489	3.90774	3.91244e-3		3-NITROTOLUENE [2C]
2.986	1	BB	1	815.46802	4.15654	3.91611e-3		4-NITROTOLUENE [2C]
4.106	1	FM +I	1	1.08192e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.498	1	MM	1	5204.85645	6.70433e-1	4.03163e-3		NITROGLYCERIN [2C]
5.211	1	BV	1	6236.35156	5.73234e-1	4.13027e-3		2,6-DINITROTOLUENE [2C]
5.270	1	VV B	1	1914.06201	1.76853	3.91096e-3		1,3-DINITROBENZENE [2C]
5.903	1	VB	1	3466.83936	1.02132	4.09082e-3		2,4-DINITROTOLUENE [2C]
6.211	1	BV	1	6594.81152	5.20011e-1	3.96215e-3		3,4-DINITROTOLUENE [2C]
7.479	1	BB	1	4162.47852	7.74979e-1	3.72698e-3		2,4,6-TRINITROTOLUENE [2C]
7.724	1	BV	1	2527.56226	1.49826	4.37526e-3		1,3,5-TRINITROBENZENE [2C]
7.782	1	VV	1	2850.45239	1.23201	4.05738e-3		PETN [2C]
8.341	1	VB	1	4610.04541	6.81035e-1	3.62736e-3		RDX [2C]
8.702	1	VV	1	3994.56226	8.44351e-1	3.89680e-3		4-AMINO-2,6-DINITROTOLUENE [2C]
8.859	1	VV	1	3845.44287	9.16681e-1	4.07268e-3		3,5-DINITROANILINE [2C]
9.034	1	VV	1	4543.32568	7.94825e-1	4.17216e-3		2-AMINO-4,6-DINITROTOLUENE [2C]
9.415	1	MM +	1	3824.79785	8.88622e-1	3.92683e-3		SURROGATE (2,2'-DINITROBIPHENYL)
9.892	1	MM	1	484.41000	7.02503	3.93167e-3		TETRYL [2C]
12.864	1	BB	1	175.70932	17.80000	3.61352e-3		HMX [2C]

Totals without ISTD(s) : 7.53452e-2

=====

Acq. Operator	: jjk	Seq. Line	: 4
Acq. Instrument	: 3337G12416	Location	: Vial 4
Injection Date	: 12/11/2017 2:15:21 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

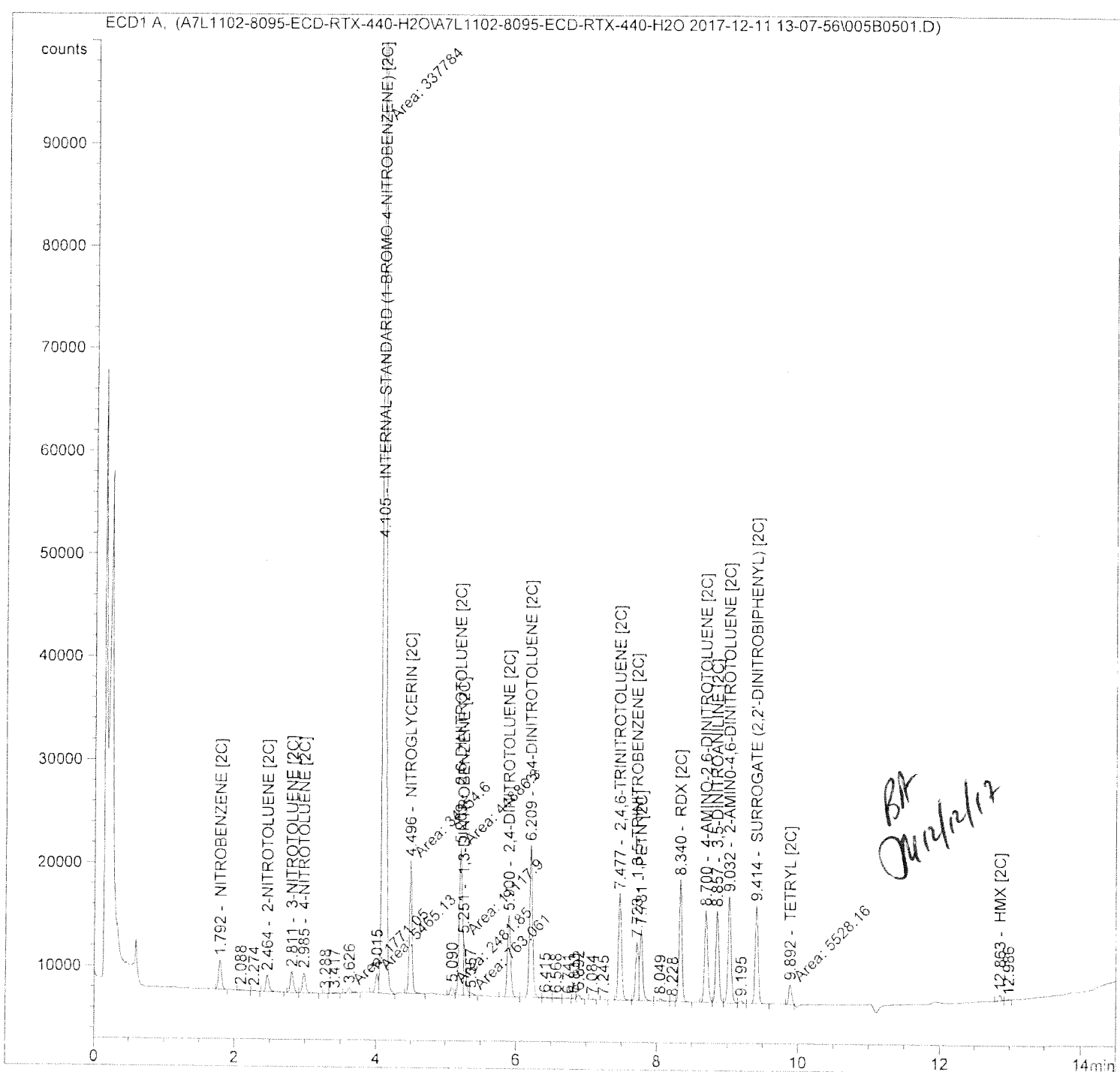
=====

*** End of Report ***

=====

Acq. Operator	: jjk	Seq. Line	: 5
Acq. Instrument	: 3337G12416	Location	: Vial 5
Injection Date	: 12/11/2017 2:37:13 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M		
Last changed	: 11/9/2017 1:20:54 PM by JJK		
Analysis Method	: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M		
Last changed	: 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 5
Acq. Instrument	: 3337G12416	Location	: Vial 5
Injection Date	: 12/11/2017 2:37:13 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.792	1	BB	1	2804.10181	3.04156	9.96571e-3		NITROBENZENE [2C]
2.464	1	BB	1	1584.02527	5.45360	1.00940e-2		2-NITROTOLUENE [2C]
2.811	1	BB	1	2024.40723	4.24527	1.00420e-2		3-NITROTOLUENE [2C]
2.985	1	BB	1	1950.15540	4.46051	1.01642e-2		4-NITROTOLUENE [2C]
4.105	1	FM +I	1	1.06978e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.496	1	MM	1	1.28309e4	6.93093e-1	1.03912e-2		NITROGLYCERIN [2C]
5.209	1	MF	1	1.42032e4	6.25342e-1	1.03782e-2		2,6-DINITROTOLUENE [2C]
5.251	1	FM	1	5506.28418	1.93678	1.24611e-2		1,3-DINITROBENZENE [2C]
5.900	1	BB	1	7841.25537	1.12152	1.02756e-2		2,4-DINITROTOLUENE [2C]
6.209	1	BV	1	1.47053e4	5.75644e-1	9.89114e-3		3,4-DINITROTOLUENE [2C]
7.477	1	BV	1	1.02315e4	8.22763e-1	9.83632e-3		2,4,6-TRINITROTOLUENE [2C]
7.723	1	VV	1	5611.28906	1.58605	1.03991e-2		1,3,5-TRINITROBENZENE [2C]
7.781	1	VB	1	6828.65723	1.27923	1.02071e-2		PETN [2C]
8.340	1	BB	1	1.17199e4	6.83872e-1	9.36517e-3		RDX [2C]
8.700	1	BV	1	8830.87109	9.37176e-1	9.67035e-3		4-AMINO-2,6-DINITROTOLUENE [2C]
8.857	1	VV	1	8794.28516	9.89846e-1	1.01715e-2		3,5-DINITROANILINE [2C]
9.032	1	VV	1	1.02616e4	8.55032e-1	1.02521e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1	BB +	1	9418.16895	9.16314e-1	1.00839e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.892	1	MM	1	1883.34595	4.75389	1.04616e-2		TETRYL [2C]
12.863	1	BB	1	564.24469	14.57040	9.60631e-3		HMX [2C]

Totals without ISTD(s) : 1.93717e-1

Handwritten signature

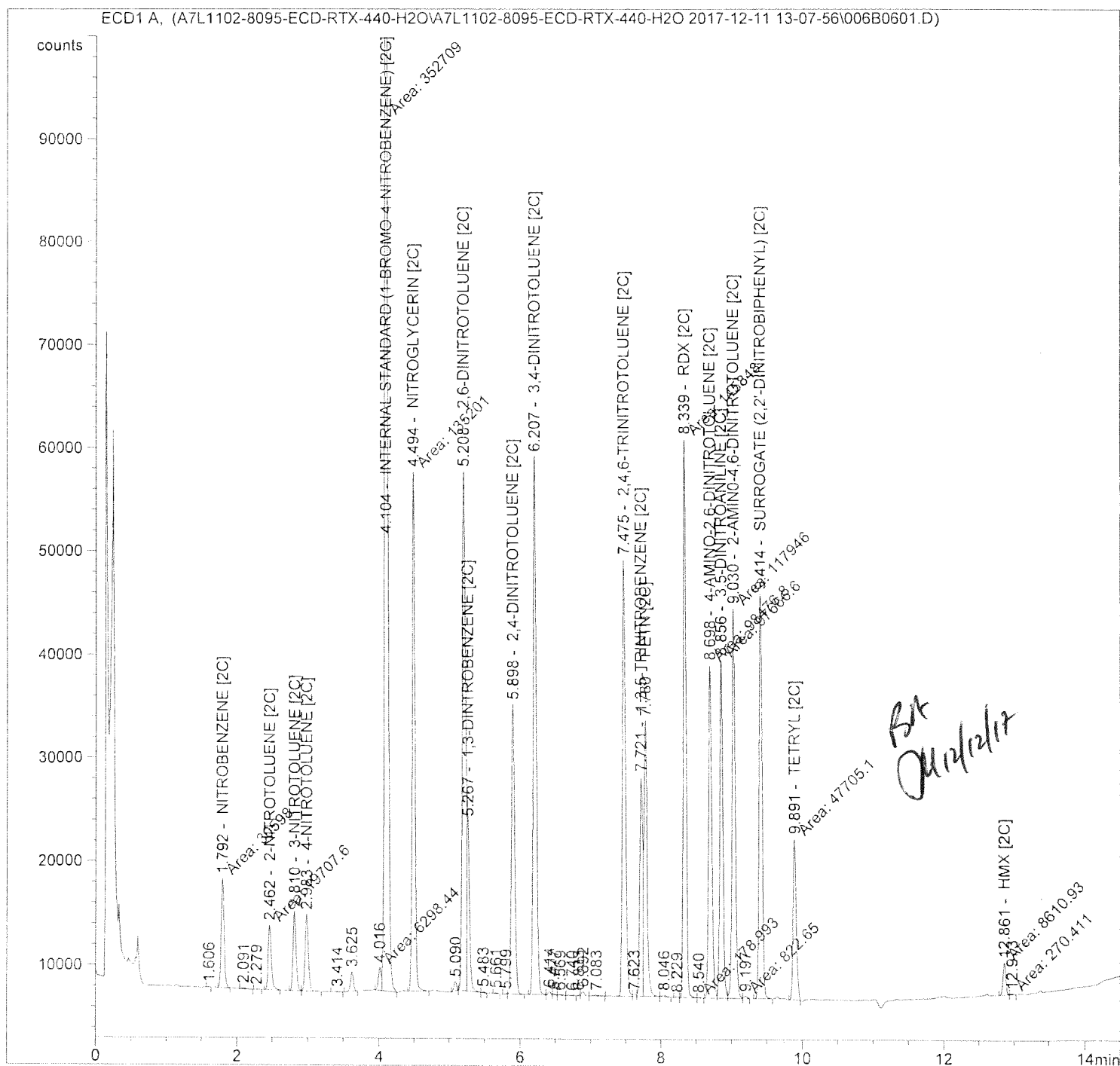
```
=====
Acq. Operator   : jjk                      Seq. Line :    5
Acq. Instrument : 3337G12416              Location  : Vial 5
Injection Date  : 12/11/2017 2:37:13 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-
                  H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====
```

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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

2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------



=====

Acq. Operator	: jjk	Seq. Line	: 6
Acq. Instrument	: 3337G12416	Location	: Vial 6
Injection Date	: 12/11/2017 2:59:00 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

Internal Standard Report

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.792	1	MM	1	1.05395e4	3.45184	4.07200e-2		NITROBENZENE [2C]
2.462	1	MM	1	6239.92676	5.90215	4.12218e-2		2-NITROTOLUENE [2C]
2.810	1	VV	1	7608.08105	4.80298	4.09000e-2		3-NITROTOLUENE [2C]
2.983	1	VB	1	7411.91504	4.94575	4.10299e-2		4-NITROTOLUENE [2C]
4.104	1	FM +I	1	1.11679e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1	MM	1	5.01769e4	7.27211e-1	4.08415e-2		NITROGLYCERIN [2C]
5.208	1	BV	1	5.01190e4	7.10023e-1	3.98302e-2		2,6-DINITROTOLUENE [2C]
5.267	1	VV B	1	1.62988e4	2.11638	3.86088e-2		1,3-DINITROBENZENE [2C]
5.898	1	VB	1	2.78828e4	1.28828	4.02053e-2		2,4-DINITROTOLUENE [2C]
6.207	1	BV	1	5.19639e4	6.70407e-1	3.89922e-2		3,4-DINITROTOLUENE [2C]
7.475	1	BV	1	4.21021e4	9.00355e-1	4.24283e-2		2,4,6-TRINITROTOLUENE [2C]
7.721	1	VV	1	2.11078e4	1.73585	4.10103e-2		1,3,5-TRINITROBENZENE [2C]
7.780	1	VB	1	2.64557e4	1.35256	4.00509e-2		PETN [2C]
8.339	1	MF	1	5.38855e4	6.88348e-1	4.15162e-2		RDX [2C]
8.698	1	MF	1	3.20561e4	1.10149	3.95211e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.856	1	MF	1	3.24978e4	1.11133	4.04234e-2		3,5-DINITROANILINE [2C]
9.030	1	MF	1	3.75333e4	9.55246e-1	4.01300e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1	BB +	1	3.89299e4	9.59720e-1	4.18181e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.891	1	MM	1	1.53712e4	2.64433	4.54946e-2		TETRYL [2C]
12.861	1	MF	1	3099.57886	10.98758	3.81190e-2		HMX [2C]

Totals without ISTD(s) : 7.72861e-1

Handwritten signature

=====

Acq. Operator	: jjk	Seq. Line	: 6
Acq. Instrument	: 3337G12416	Location	: Vial 6
Injection Date	: 12/11/2017 2:59:00 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

=====

Acq. Operator	: jjk	Seq. Line	: 7
Acq. Instrument	: 3337G12416	Location	: Vial 7
Injection Date	: 12/11/2017 3:20:47 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

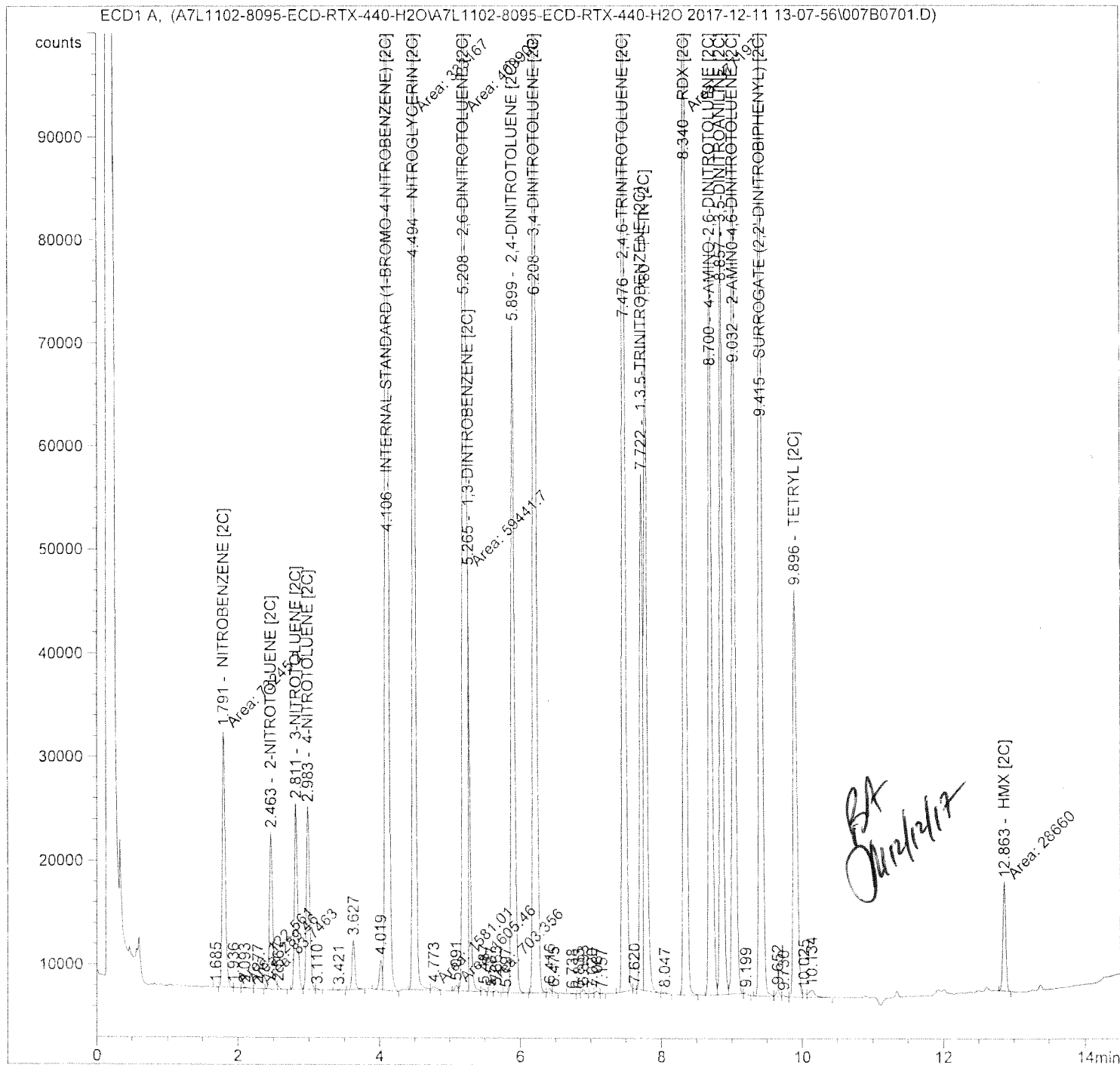
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 7
Acq. Instrument	: 3337G12416	Location	: Vial 7
Injection Date	: 12/11/2017 3:20:47 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.791	1	MF	1	2.46766e4	3.75465	1.03761e-1		NITROBENZENE [2C]
2.463	1	BV	1	1.50324e4	6.21945	1.04703e-1		2-NITROTOLUENE [2C]
2.811	1	BB	1	1.78820e4	5.21552	1.04446e-1		3-NITROTOLUENE [2C]
2.983	1	BV	1	1.75428e4	5.29851	1.04095e-1		4-NITROTOLUENE [2C]
4.106	1	VB +I	1	1.11618e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1	MF	1	1.22499e5	7.51231e-1	1.03058e-1		NITROGLYCERIN [2C]
5.208	1	MF	1	1.16882e5	7.75612e-1	1.01524e-1		2,6-DINITROTOLUENE [2C]
5.265	1	FM	1	4.05283e4	2.28707	1.03804e-1		1,3-DINITROBENZENE [2C]
5.899	1	VB	1	6.43349e4	1.41614	1.02031e-1		2,4-DINITROTOLUENE [2C]
6.208	1	BB	1	1.22119e5	7.46016e-1	1.02026e-1		3,4-DINITROTOLUENE [2C]
7.476	1	BV	1	1.04567e5	9.55847e-1	1.11933e-1		2,4,6-TRINITROTOLUENE [2C]
7.722	1	BV	1	4.96008e4	1.84355	1.02405e-1		1,3,5-TRINITROBENZENE [2C]
7.780	1	VB	1	6.57880e4	1.40598	1.03587e-1		PETN [2C]
8.340	1	MM	1	1.36686e5	6.91176e-1	1.05801e-1		RDX [2C]
8.700	1	BV	1	7.28362e4	1.22523	9.99407e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.857	1	VV	1	7.53637e4	1.20038	1.01311e-1		3,5-DINITROANILINE [2C]
9.032	1	VB	1	8.71342e4	1.02913	1.00423e-1		2-AMINO-4,6-DINITROTOLUENE [2C]
9.415	1	BV +	1	9.40716e4	9.88643e-1	1.04154e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.896	1	BV	1	3.90654e4	2.02632	8.86496e-2		TETRYL [2C] ✓
12.863	1	MM	1	1.03843e4	8.94579	1.04033e-1		HMX [2C]

Totals without ISTD(s) : 1.95168

Sample Name: A7L1102-CAL5

```
=====
Acq. Operator   : jjk                      Seq. Line :    7
Acq. Instrument : 3337G12416              Location  : Vial 7
Injection Date  : 12/11/2017 3:20:47 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-
                  H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
```

=====

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

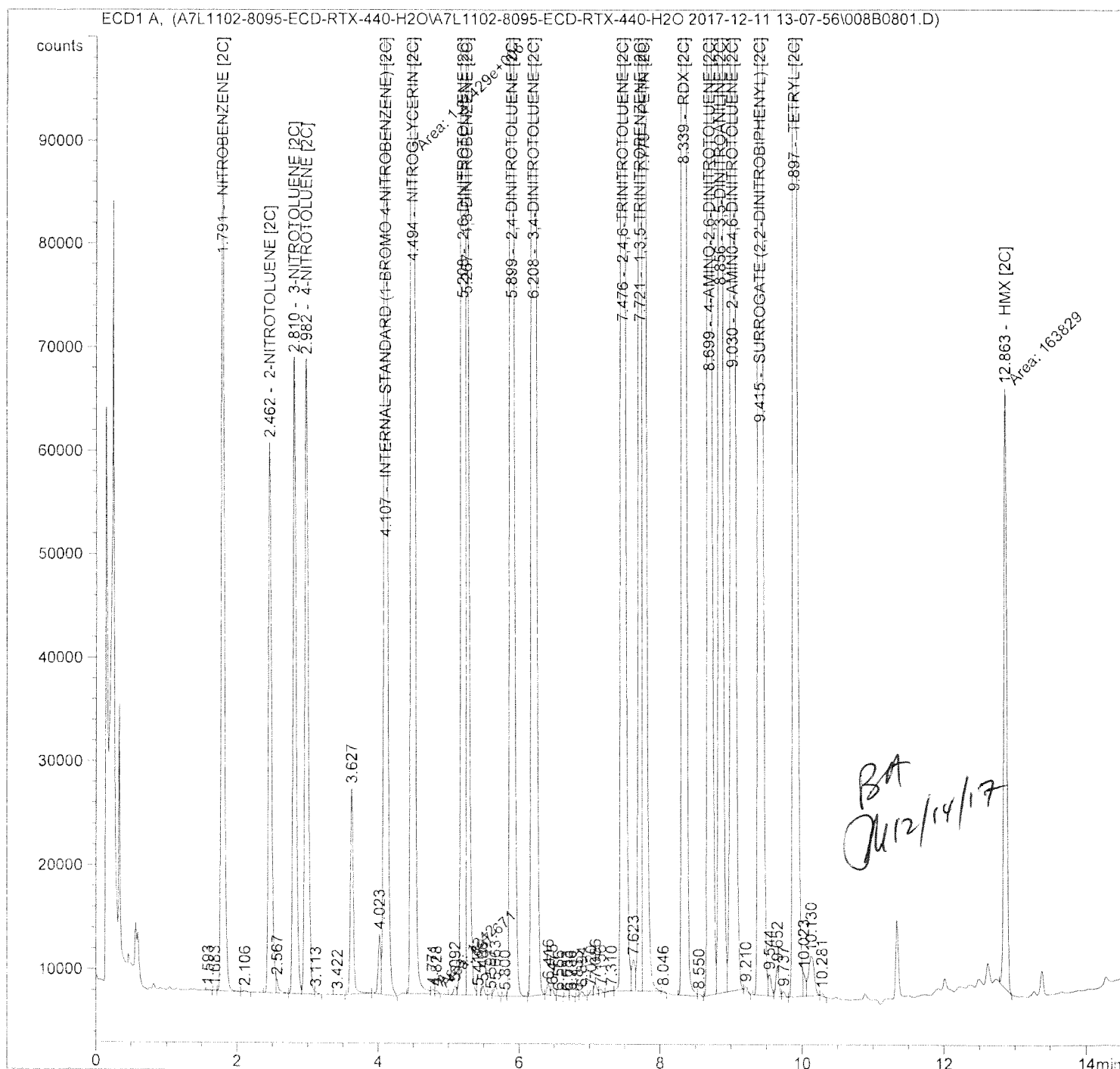
=====

*** End of Report ***

```

Acq. Operator   : jjk                               Seq. Line :    8
Acq. Instrument : 3337G12416                         Location  : Vial 8
Injection Date  : 12/11/2017 3:42:29 PM              Inj       :    1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-
                  H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 8
Acq. Instrument	: 3337G12416	Location	: Vial 8
Injection Date	: 12/11/2017 3:42:29 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
---------------	-----	------	-----------	-----------------	------------------	--------	-----	------

1.791	1	VV	1	8.50702e4	4.22332	3.83960e-1		NITROBENZENE [2C]
2.462	1	BV	1	5.30451e4	6.68553	3.78997e-1		2-NITROTOLUENE [2C]
2.810	1	VV	1	6.12876e4	5.84640	3.82926e-1		3-NITROTOLUENE [2C]
2.982	1	VV	1	6.11707e4	5.83284	3.81310e-1		4-NITROTOLUENE [2C]
4.107	1	VB +I	1	1.16965e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1	MF	1	4.51583e5	7.86412e-1	3.79526e-1		NITROGLYCERIN [2C]
5.208	1	VV	1	4.12345e5	8.80274e-1	3.87912e-1		2,6-DINITROTOLUENE [2C]
5.267	1	VV B	1	1.35976e5	2.52513	3.66945e-1		1,3-DINITROBENZENE [2C]
5.899	1	VB	1	2.23072e5	1.62139	3.86532e-1		2,4-DINITROTOLUENE [2C]
6.208	1	BB	1	4.33635e5	8.68945e-1	4.02690e-1		3,4-DINITROTOLUENE [2C]
7.476	1	BV	1	3.29510e5	1.02756	3.61850e-1		2,4,6-TRINITROTOLUENE [2C]
7.721	1	VV	1	1.73967e5	2.00721	3.73177e-1		1,3,5-TRINITROBENZENE [2C]
7.779	1	VB	1	2.42683e5	1.48324	3.84684e-1		PETN [2C]
8.339	1	BV	1	5.28596e5	6.95159e-1	3.92702e-1		RDX [2C]
8.699	1	BV	1	2.66792e5	1.44103	4.10866e-1		4-AMINO-2,6-DINITROTOLUENE [2C]
8.856	1	VV	1	2.71038e5	1.34389	3.89267e-1		3,5-DINITROANILINE [2C]
9.030	1	VB	1	3.17825e5	1.14908	3.90295e-1		2-AMINO-4,6-DINITROTOLUENE [2C]
9.415	1	BV +	1	3.42732e5	1.03096	3.77616e-1		SURROGATE (2,2'-DINITROBIPHENYL)
9.897	1	BV	1	1.39958e5	1.42702	2.13443e-1		TETRYL [2C] - NIT IN SEAL
12.863	1	MM	1	5.77226e4	6.73683	4.15581e-1		HMX [2C]

Totals without ISTD(s) : 7.16028

OK 12/12/17

=====

Acq. Operator	: jjk	Seq. Line	: 8
Acq. Instrument	: 3337G12416	Location	: Vial 8
Injection Date	: 12/11/2017 3:42:29 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440-H2O.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

=====

Acq. Operator	: jjk	Seq. Line	: 9
Acq. Instrument	: 3337G12416	Location	: Vial 9
Injection Date	: 12/11/2017 4:04:18 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

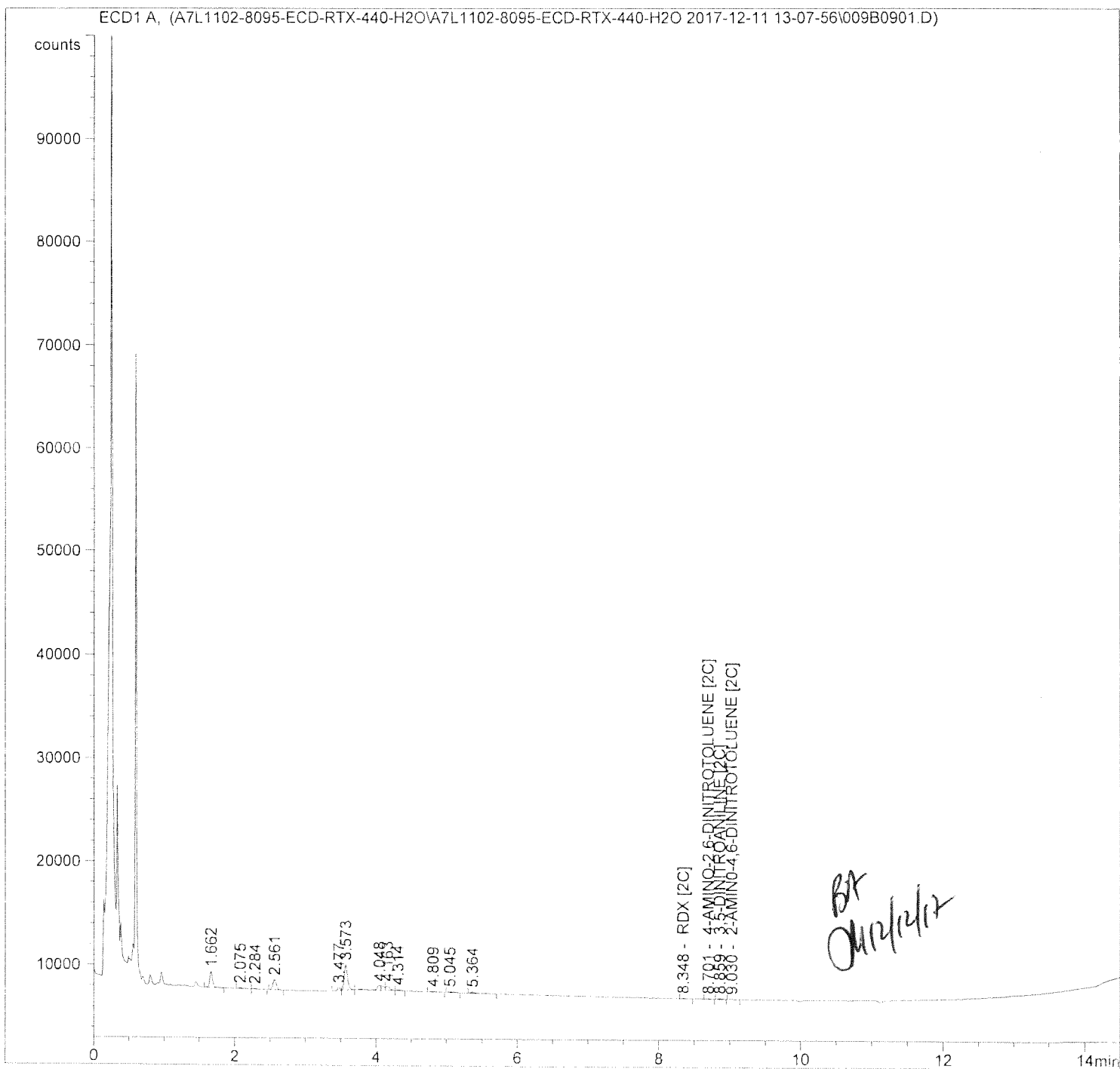
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====



Sample Name: A7L1102-IBL3

```

=====
Acq. Operator   : jjk                      Seq. Line :    9
Acq. Instrument : 3337G12416              Location  : Vial 9
Injection Date  : 12/11/2017 4:04:18 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-
                  H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====
    
```

Internal Standard Report

```

Sorted By           :      Retention Time
Calib. Data Modified :      Tuesday, December 12, 2017 2:01:29 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
1.792	1		1	-	-	-		NITROBENZENE [2C]
2.462	1		1	-	-	-		2-NITROTOLUENE [2C]
2.810	1		1	-	-	-		3-NITROTOLUENE [2C]
2.983	1		1	-	-	-		4-NITROTOLUENE [2C]
4.104	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1		1	-	-	-		NITROGLYCERIN [2C]
5.208	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.267	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.898	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.207	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.475	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.721	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.780	1		1	-	-	-		PETN [2C]
8.348	1	BB	1	32.39756	0.00000	0.00000		RDX [2C]
8.701	1	BB	1	43.16789	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE [2C]
8.859	1	BB	1	59.96352	0.00000	0.00000		3,5-DINITROANILINE [2C]
9.030	1	BB	1	30.59575	0.00000	0.00000		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.891	1		1	-	-	-		TETRYL [2C]
12.861	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

Handwritten signature

Sample Name: A7L1102-IBL3

```
=====
Acq. Operator   : jjk                               Seq. Line :    9
Acq. Instrument : 3337G12416                         Location  : Vial 9
Injection Date  : 12/11/2017 4:04:18 PM              Inj       :    1
                                                    Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440-
H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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 :

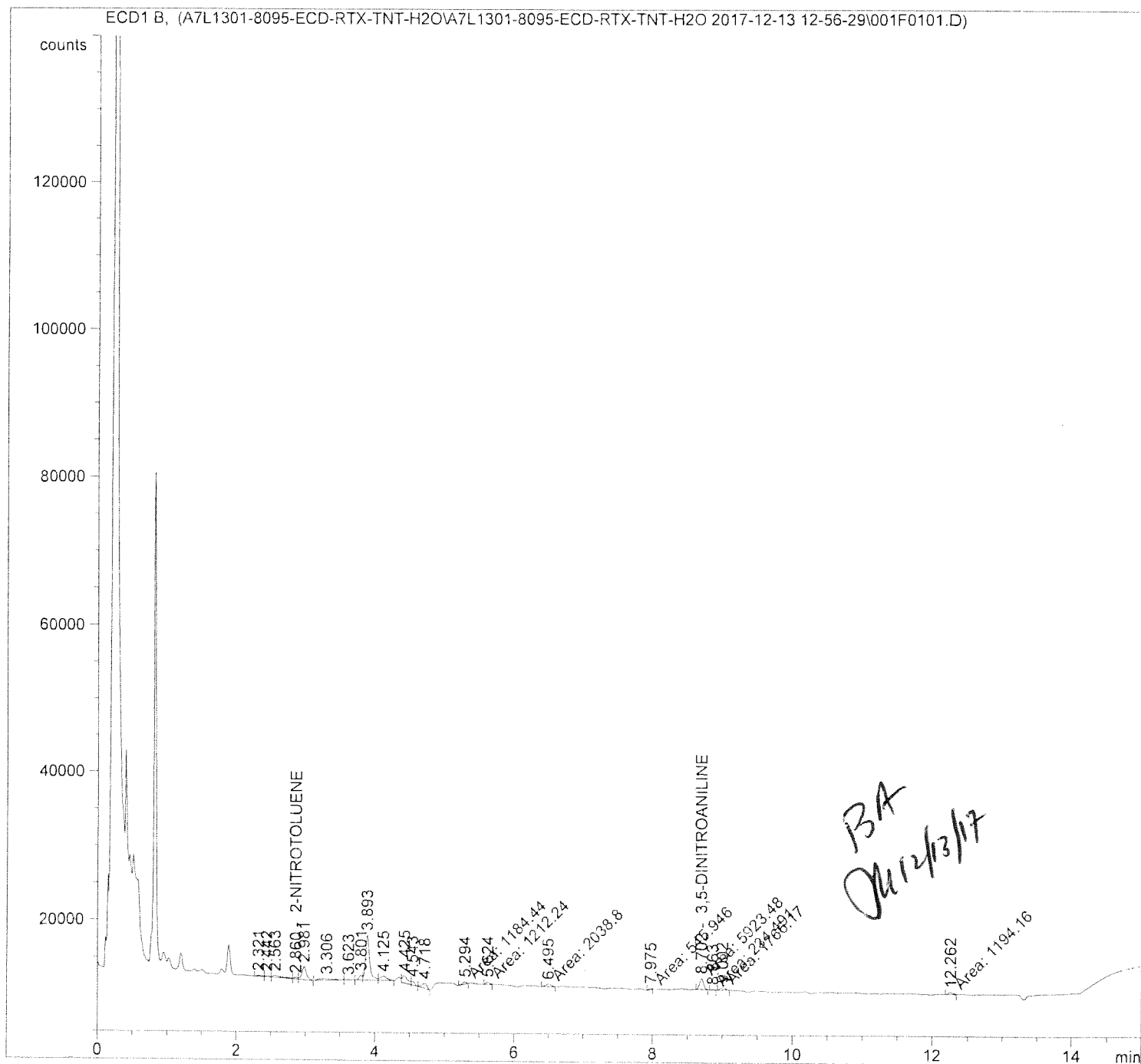
Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

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

=====

Acq. Operator	: JJK	Seq. Line	: 1
Acq. Instrument	: 3336A52146	Location	: Vial 1
Injection Date	: 12/13/2017 12:58:39 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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	: JJK	Seq. Line	: 1
Acq. Instrument	: 3336A52146	Location	: Vial 1
Injection Date	: 12/13/2017 12:58:39 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 : 12/12/2017 12:34:44 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)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.176	1		1	-	-	-		NITROBENZENE
2.860	1	VV	1	200.45221	0.00000	0.00000		2-NITROTOLUENE
3.185	1		1	-	-	-		3-NITROTOLUENE
3.327	1		1	-	-	-		4-NITROTOLUENE
4.304	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.593	1		1	-	-	-		NITROGLYCERIN
5.216	1		1	-	-	-		1,3-DINITROBENZENE
5.348	1		1	-	-	-		2,6-DINITROTOLUENE
5.914	1		1	-	-	-		2,4-DINITROTOLUENE
6.306	1		1	-	-	-		3,4-DINITROTOLUENE
6.998	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.161	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.788	1		1	-	-	-		PETN
8.108	1		1	-	-	-		RDX
8.654	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.702	1	MM	1	1465.91748	0.00000	0.00000		3,5-DINITROANILINE
8.969	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.475	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.576	1		1	-	-	-		TETRYL
12.210	1		1	-	-	-		HMX

Handwritten signature
12/13/17

```
=====
Acq. Operator   : JJK                               Seq. Line :    1
Acq. Instrument : 3336A52146                         Location  : Vial 1
Injection Date  : 12/13/2017 12:58:39 PM              Inj       :    1
                                                Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-
                  H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====
```

Totals without ISTD(s) : 0.00000

2 Warnings or Errors :

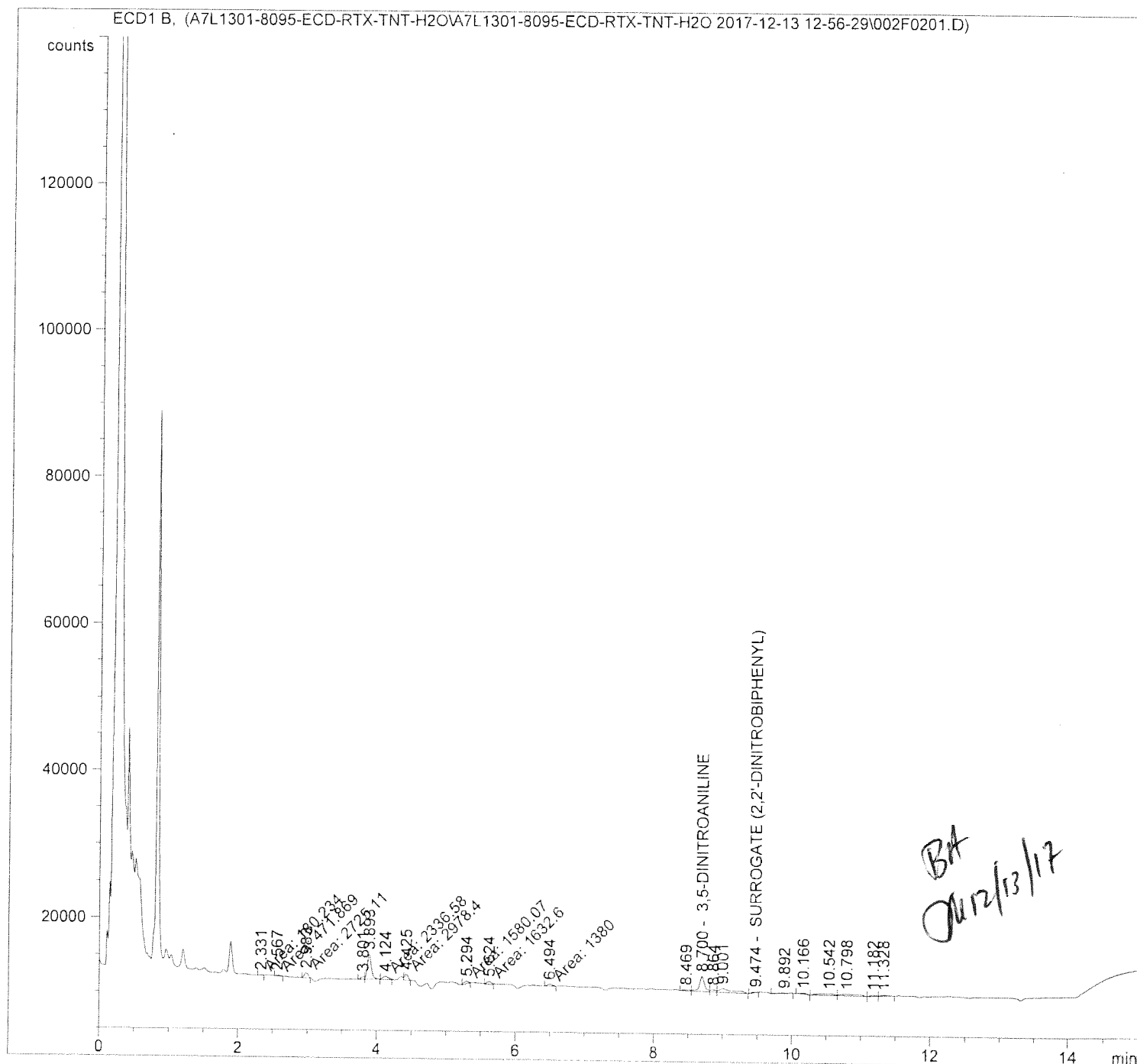
Warning : Calibration warnings (see calibration table listing)
Warning : Time reference compound(s) not found

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

=====

Acq. Operator	: JJK	Seq. Line	: 2
Acq. Instrument	: 3336A52146	Location	: Vial 2
Injection Date	: 12/13/2017 1:20:11 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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 CYCLOSPPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: JJK	Seq. Line	: 2
Acq. Instrument	: 3336A52146	Location	: Vial 2
Injection Date	: 12/13/2017 1:20:11 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime	Sig	Type	ISTD	Height	Amt/Height	Amount	Grp	Name
[min]			used	[counts]	ratio			
2.175	1		1	-	-	-		NITROBENZENE
2.861	1		1	-	-	-		2-NITROTOLUENE
3.185	1		1	-	-	-		3-NITROTOLUENE
3.327	1		1	-	-	-		4-NITROTOLUENE
4.304	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.592	1		1	-	-	-		NITROGLYCERIN
5.215	1		1	-	-	-		1,3-DINITROBENZENE
5.348	1		1	-	-	-		2,6-DINITROTOLUENE
5.913	1		1	-	-	-		2,4-DINITROTOLUENE
6.305	1		1	-	-	-		3,4-DINITROTOLUENE
6.997	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.160	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.788	1		1	-	-	-		PETN
8.107	1		1	-	-	-		RDX
8.653	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.700	1	VV	1	2035.97791	0.00000	0.00000		3,5-DINITROANILINE
8.968	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.474	1	BB +	1	90.43697	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.575	1		1	-	-	-		TETRYL
12.209	1		1	-	-	-		HMX

12/13/17

Sample Name: A7L1301-IBL2

```
=====
Acq. Operator   : JJK                               Seq. Line :    2
Acq. Instrument : 3336A52146                         Location  : Vial 2
Injection Date  : 12/13/2017 1:20:11 PM              Inj       :    1
                                                    Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-
                  H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====
```

Totals without ISTD(s) : 0.00000

2 Warnings or Errors :

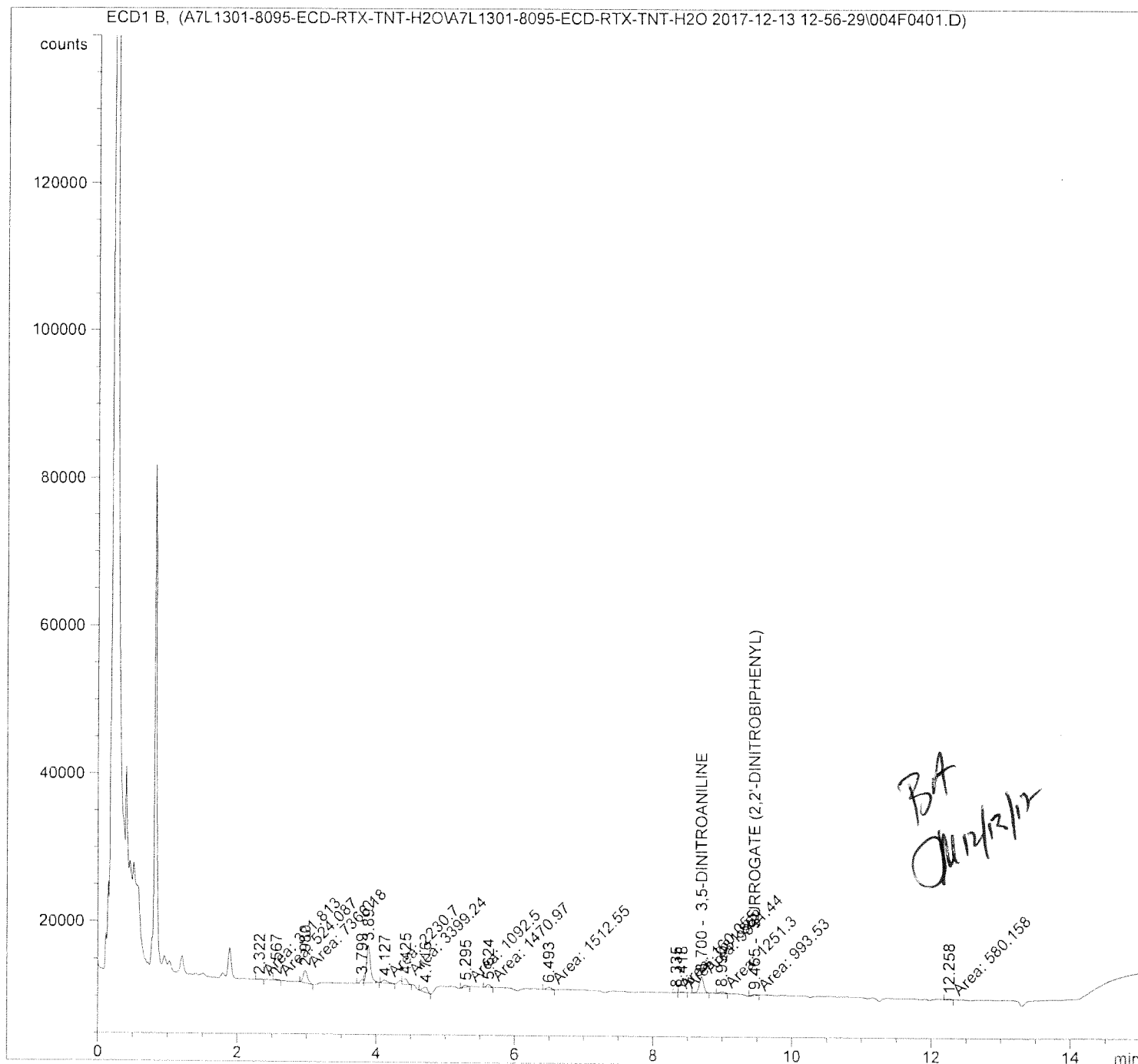
Warning : Calibration warnings (see calibration table listing)

Warning : Time reference compound(s) not found

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

Sample Name: A7L1301-IBL3

```
=====
Acq. Operator   : JJK                               Seq. Line :    4
Acq. Instrument : 3336A52146                         Location  : Vial 4
Injection Date  : 12/13/2017 2:03:04 PM              Inj       :    1
                                                    Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-
                  H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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 CYCLOSPPLITTER LINER USING A GOLD SEAL.
=====
```



=====

Acq. Operator	: JJK	Seq. Line	: 4
Acq. Instrument	: 3336A52146	Location	: Vial 4
Injection Date	: 12/13/2017 2:03:04 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)
---	------------	--

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.173	1		1	-	-	-		NITROBENZENE
2.859	1		1	-	-	-		2-NITROTOLUENE
3.182	1		1	-	-	-		3-NITROTOLUENE
3.324	1		1	-	-	-		4-NITROTOLUENE
4.304	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.588	1		1	-	-	-		NITROGLYCERIN
5.210	1		1	-	-	-		1,3-DINITROBENZENE
5.343	1		1	-	-	-		2,6-DINITROTOLUENE
5.908	1		1	-	-	-		2,4-DINITROTOLUENE
6.299	1		1	-	-	-		3,4-DINITROTOLUENE
6.990	1		1	-	-	-		1,3,5-TRINITROBENZENE
7.154	1		1	-	-	-		2,4,6-TRINITROTOLUENE
7.780	1		1	-	-	-		PETN
8.099	1		1	-	-	-		RDX
8.645	1		1	-	-	-		4-AMINO-2,6-DINITROTOLUENE
8.700	1	MM	1	2181.45605	0.00000	0.00000		3,5-DINITROANILINE
8.959	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE
9.465	1	MM +	1	173.65382	0.00000	0.00000		SURROGATE (2,2'-DINITROBIPHENYL)
9.566	1		1	-	-	-		TETRYL
12.197	1		1	-	-	-		HMX

12/13/17

=====

Acq. Operator	: JJK	Seq. Line	: 4
Acq. Instrument	: 3336A52146	Location	: Vial 4
Injection Date	: 12/13/2017 2:03:04 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

Totals without ISTD(s) : 0.00000

2 Warnings or Errors :

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

=====

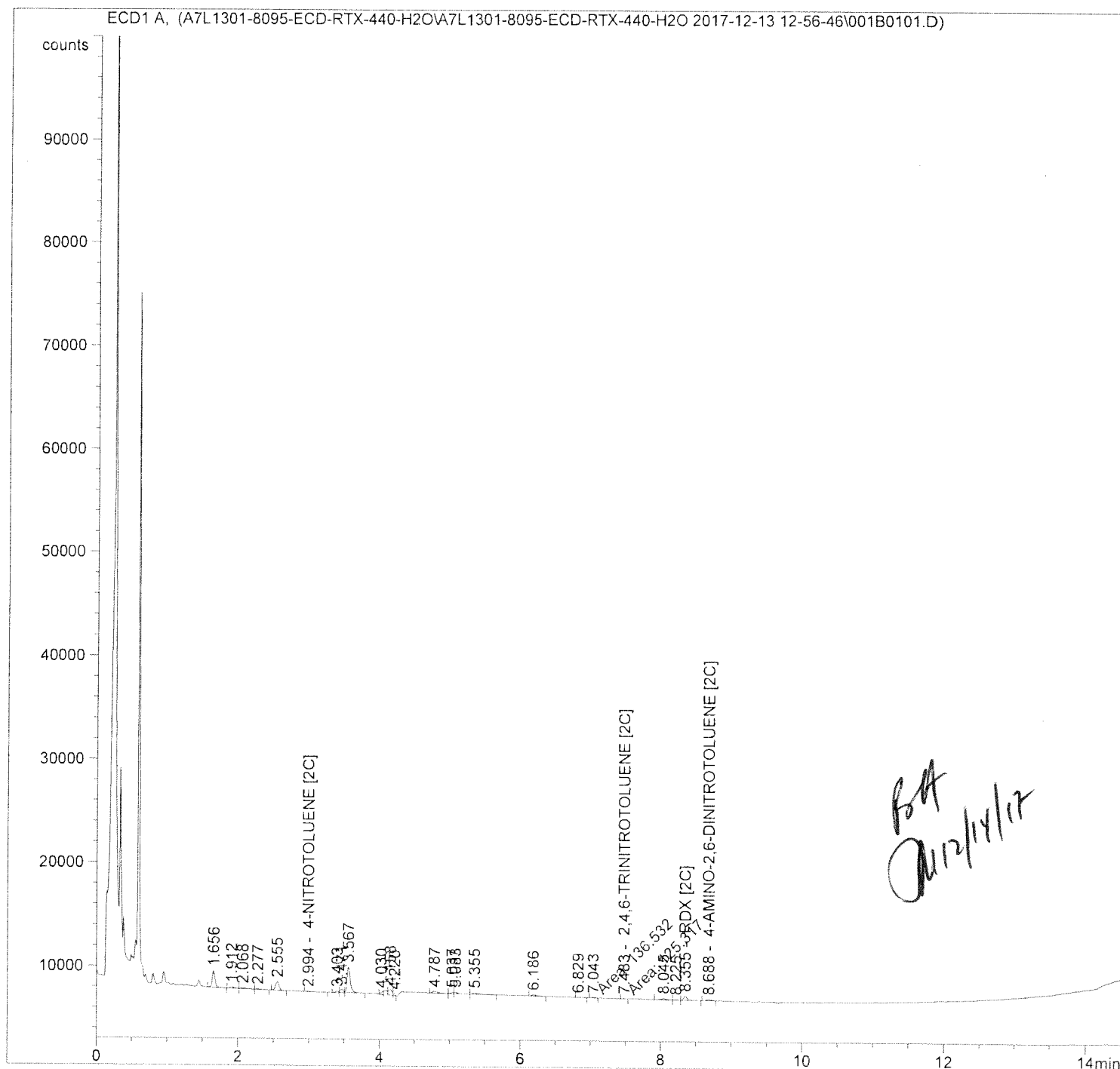
*** End of Report ***

Sample Name: A7L1301-IBL1

=====

Acq. Operator	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 1
Injection Date	: 12/13/2017 12:59:01 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M		
Last changed	: 11/9/2017 1:20:54 PM by JJK		
Analysis Method	: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M		
Last changed	: 12/12/2017 2:02:33 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.		

=====



Internal Standard Report

#		
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
1.792	1		1	-	-	-		NITROBENZENE [2C]
2.462	1		1	-	-	-		2-NITROTOLUENE [2C]
2.810	1		1	-	-	-		3-NITROTOLUENE [2C]
2.994	1	BB	1	45.22998	0.00000	0.00000		4-NITROTOLUENE [2C]
4.104	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1		1	-	-	-		NITROGLYCERIN [2C]
5.208	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.267	1		1	-	-	-		1,3-DINTROBENZENE [2C]
5.898	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.207	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.483	1	MF	1	37.53901	0.00000	0.00000		2,4,6-TRINITROTOLUENE [2C]
7.721	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.780	1		1	-	-	-		PETN [2C]
8.355	1	VB	1	398.96078	0.00000	0.00000		RDX [2C]
8.688	1	BB	1	109.33041	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE [2C]
8.856	1		1	-	-	-		3,5-DINITROANILINE [2C]
9.030	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL) [2C]
9.891	1		1	-	-	-		TETRYL [2C]
12.861	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

3337G12416 12/14/2017 10:26:16 AM jjk

=====

Acq. Operator	: jjk	Seq. Line	: 1
Acq. Instrument	: 3337G12416	Location	: Vial 1
Injection Date	: 12/13/2017 12:59:01 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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)

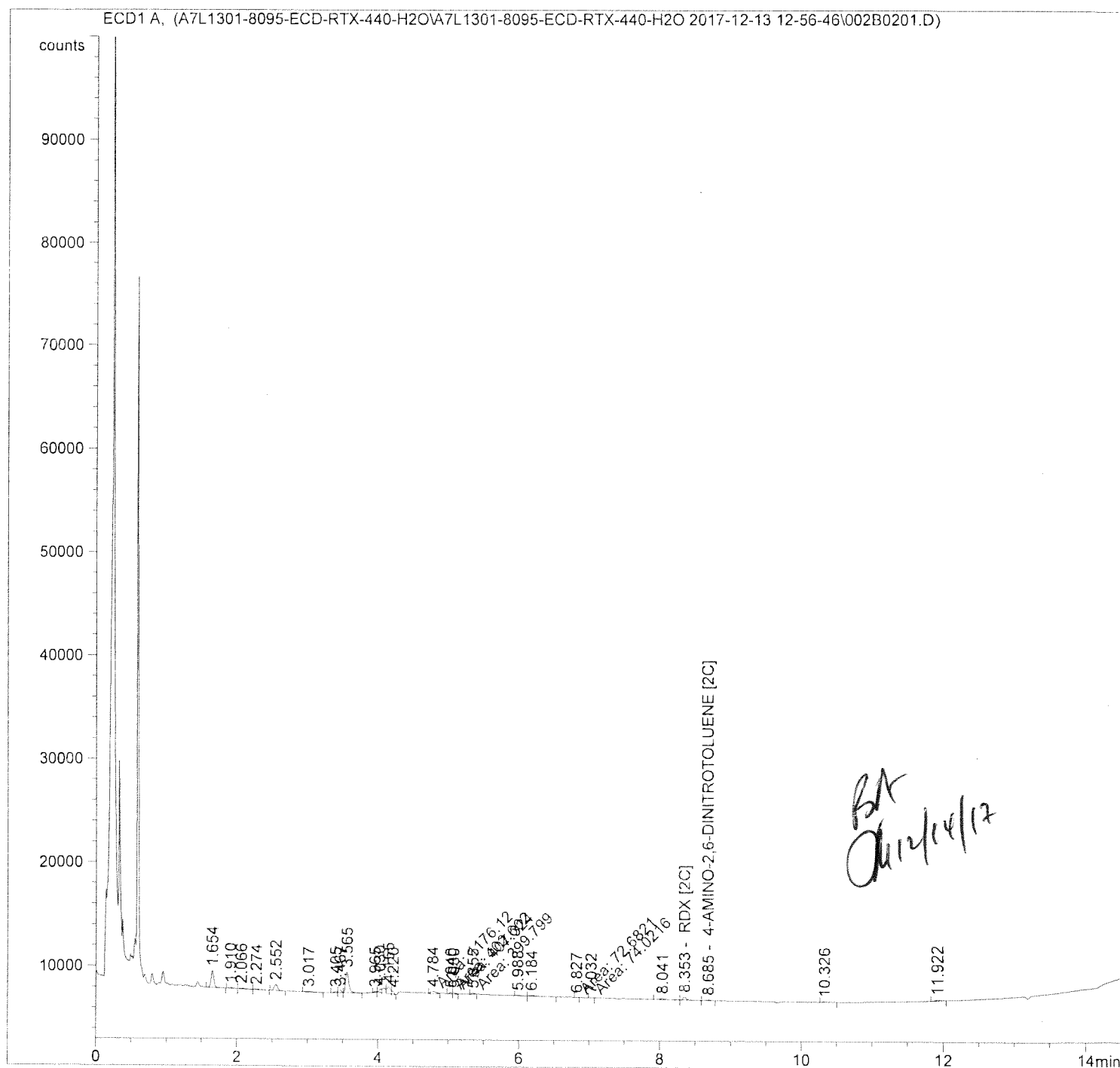
Warning : Time reference compound(s) not found

=====

*** End of Report ***

Sample Name: A7L1301-IBL2

```
=====
Acq. Operator   : jjk                      Seq. Line :    2
Acq. Instrument : 3337G12416              Location  : Vial 2
Injection Date  : 12/13/2017 1:20:59 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 2
Injection Date	: 12/13/2017 1:20:59 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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 : Tuesday, December 12, 2017 2:01:29 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			
1.792	1		1	-	-	-		NITROBENZENE [2C]
2.462	1		1	-	-	-		2-NITROTOLUENE [2C]
2.810	1		1	-	-	-		3-NITROTOLUENE [2C]
2.983	1		1	-	-	-		4-NITROTOLUENE [2C]
4.104	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1		1	-	-	-		NITROGLYCERIN [2C]
5.208	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.267	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.898	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.207	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.475	1		1	-	-	-		2,4,6-TRINITROTOLUENE [2C]
7.721	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.780	1		1	-	-	-		PETN [2C]
8.353	1	VB	1	293.71866	0.00000	0.00000		RDX [2C]
8.685	1	BB	1	71.64346	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE [2C]
8.856	1		1	-	-	-		3,5-DINITROANILINE [2C]
9.030	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.891	1		1	-	-	-		TETRYL [2C]
12.861	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

Handwritten signature

Sample Name: A7L1301-IBL2

```
=====
Acq. Operator   : jjk                      Seq. Line :    2
Acq. Instrument : 3337G12416              Location  : Vial 2
Injection Date  : 12/13/2017 1:20:59 PM    Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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

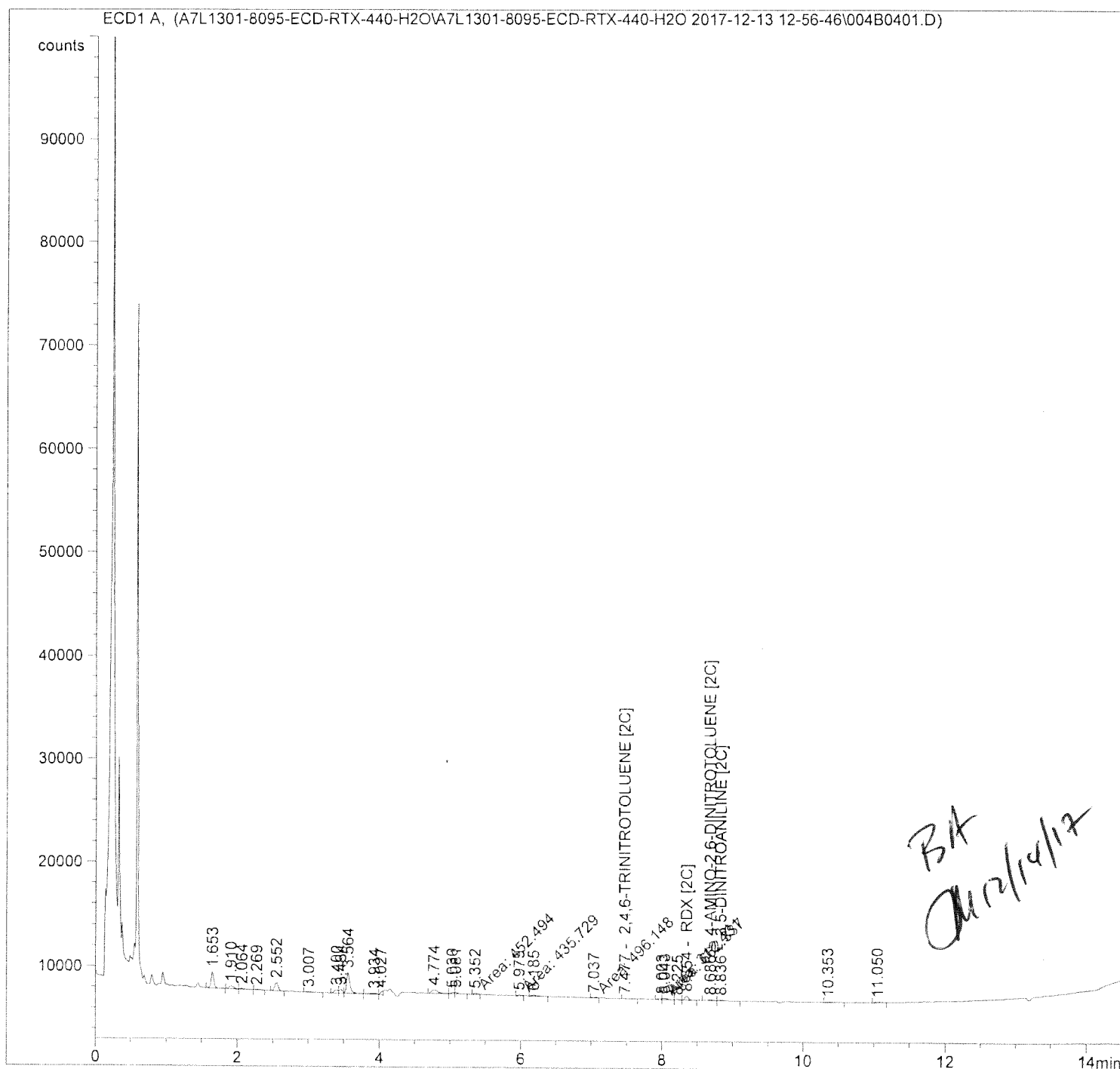
=====

*** End of Report ***

=====

Acq. Operator	: jjk	Seq. Line	: 4
Acq. Instrument	: 3337G12416	Location	: Vial 4
Injection Date	: 12/13/2017 2:04:54 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M		
Last changed	: 11/9/2017 1:20:54 PM by JJK		
Analysis Method	: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M		
Last changed	: 12/12/2017 2:02:33 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.		

=====



Sample Name: A7L1301-IBL3

```

=====
Acq. Operator   : jjk                      Seq. Line :    4
Acq. Instrument : 3337G12416                Location  : Vial 4
Injection Date  : 12/13/2017 2:04:54 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====

```

```

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

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      Tuesday, December 12, 2017 2:01:29 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
1.792	1		1	-	-	-		NITROBENZENE [2C]
2.462	1		1	-	-	-		2-NITROTOLUENE [2C]
2.810	1		1	-	-	-		3-NITROTOLUENE [2C]
2.983	1		1	-	-	-		4-NITROTOLUENE [2C]
4.104	1		1	-	-	-		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.494	1		1	-	-	-		NITROGLYCERIN [2C]
5.208	1		1	-	-	-		2,6-DINITROTOLUENE [2C]
5.267	1		1	-	-	-		1,3-DINITROBENZENE [2C]
5.898	1		1	-	-	-		2,4-DINITROTOLUENE [2C]
6.207	1		1	-	-	-		3,4-DINITROTOLUENE [2C]
7.477	1	BB	1	25.62171	0.00000	0.00000		2,4,6-TRINITROTOLUENE [2C]
7.721	1		1	-	-	-		1,3,5-TRINITROBENZENE [2C]
7.780	1		1	-	-	-		PETN [2C]
8.354	1	VB	1	380.01990	0.00000	0.00000		RDX [2C]
8.686	1	BB	1	73.84222	0.00000	0.00000		4-AMINO-2,6-DINITROTOLUENE [2C]
8.836	1	BB	1	66.21169	0.00000	0.00000		3,5-DINITROANILINE [2C]
9.030	1		1	-	-	-		2-AMINO-4,6-DINITROTOLUENE [2C]
9.414	1		1	-	-	-		SURROGATE (2,2'-DINITROBIPHENYL)
9.891	1		1	-	-	-		TETRYL [2C]
12.861	1		1	-	-	-		HMX [2C]

Totals without ISTD(s) : 0.00000

=====

Acq. Operator	: jjk	Seq. Line	: 4
Acq. Instrument	: 3337G12416	Location	: Vial 4
Injection Date	: 12/13/2017 2:04:54 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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

=====

*** 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: A7L1102
 Lab Sample ID: A7L1102-CCV1

SDG: A175003
 Project: Ashland Kenvil - Kenvil, NJ
 Calibration: A171205
 Calibration Date: 12/11/17 13:00
 Injection Date: 12/11/17
 Injection Time: 16:38

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0390	53.53438	46.24456		-2.5	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0407	21.87859	20.95795		1.7	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0387	46.80831	40.0649		-3.3	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0402	19.60715	17.93082		0.4	20
3,5-Dinitroaniline	PR	0.04000	0.0383	49.46364	41.94231		-4.2	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0405	18.86183	17.95203		1.2	20
1,3-Dinitrobenzene	PR	0.04000	0.0396	16.60052	15.13284		-1.0	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0420	9.860689	9.704036		4.9	20
2,6-Dinitrotoluene	PR	0.04000	0.0381	63.68702	54.69995		-4.7	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0409	29.79568	28.29516		2.2	20
2,4-Dinitrotoluene	PR	0.04000	0.0388	36.42396	31.2059		-2.9	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0411	16.55548	15.68892		2.8	20
HMX	PR	0.04000	0.0374	5.647487	4.226123		-6.4	20
HMX [2C]	PR	0.04000	0.0379	1.729791	1.696642		-5.3	20
Nitroglycerin	PR	0.04000	0.0403	37.60021	35.78739		0.7	20
Nitroglycerin [2C]	PR	0.04000	0.0414	27.64398	28.06086		3.6	20
3-Nitrotoluene	PR	0.04000	0.0392	4.664681	4.092477		-2.1	20
3-Nitrotoluene [2C]	PR	0.04000	0.0413	4.386919	4.231814		3.2	20
4-Nitrotoluene	PR	0.04000	0.0404	3.333154	3.12875		1.0	20
4-Nitrotoluene [2C]	PR	0.04000	0.0413	4.20425	4.110258		3.2	20
PETN	PR	0.04000	0.0400	18.46676	17.2934		-0.008	20
PETN [2C]	PR	0.04000	0.0413	14.91529	15.03051		3.3	20
RDX	PR	0.04000	0.0402	57.55802	57.79		0.4	20
RDX [2C]	PR	0.04000	0.0421	28.60707	30.12891		5.2	20
Tetryl	PR	0.04000	0.0412	15.05799	18.59659		3.0	20
Tetryl [2C]	PR	0.04000	0.0455	5.574074	8.491003		13.9	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0391	25.4378	22.99436		-2.4	20
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0420	11.9086	11.89184		4.9	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0404	49.70521	46.32741		0.9	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0433	22.93219	23.66784		8.3	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0408	47.56922	45.00256		2.0	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Instrument ID: 3336A52146

Calibration: A171205

Lab File ID: 011B1101.D.Report.TXT

Calibration Date: 12/11/17 13:00

Sequence: A7L1102

Injection Date: 12/11/17

Lab Sample ID: A7L1102-CCV1

Injection Time: 16:38

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0428	20.92284	21.97526		7.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Sample Name: A7L1102-CCV1

=====

Acq. Operator : JJK Seq. Line : 11
Acq. Instrument : 3336A52146 Location : Vial 11
Injection Date : 12/11/2017 4:38:27 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

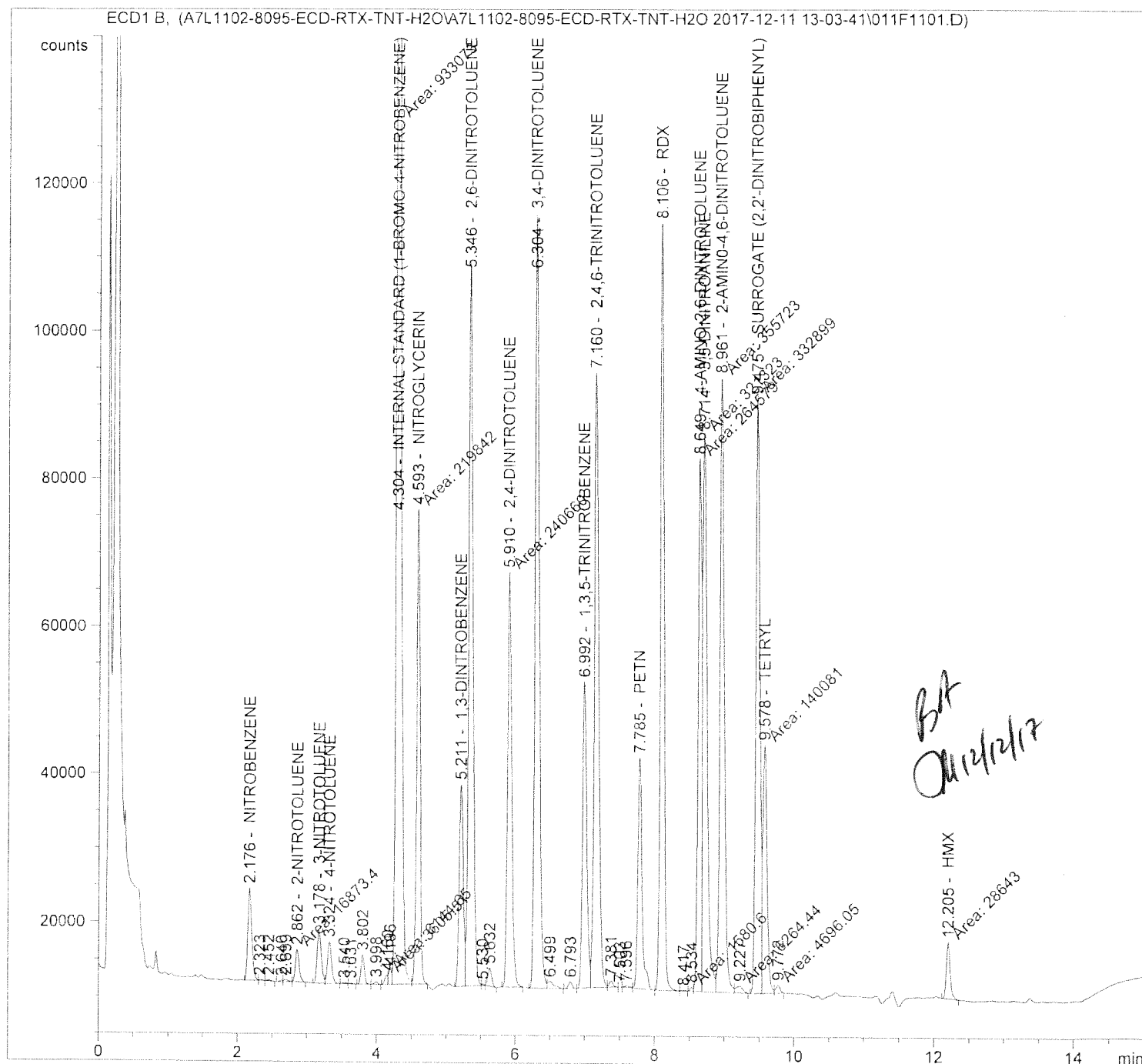
Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====



Sample Name: A7L1102-CCV1

```

=====
Acq. Operator   : JJK                      Seq. Line :   11
Acq. Instrument : 3336A52146                Location  : Vial 11
Injection Date  : 12/11/2017 4:38:27 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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 :      12/12/2017 12:34:44 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)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.176	1	BV	1	1.24398e4	5.75873	3.99920e-2		NITROBENZENE
2.862	1	MM	1	4365.49854	16.62576	4.05180e-2		2-NITROTOLUENE
3.178	1	BV	1	7330.83691	9.56913	3.91615e-2		3-NITROTOLUENE
3.324	1	VB	1	5604.51758	12.90933	4.03901e-2		4-NITROTOLUENE
4.304	1	FM +I	1	2.23912e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.593	1	FM	1	6.41058e4	1.12504	4.02622e-2		NITROGLYCERIN
5.211	1	BV	1	2.71074e4	2.61776	3.96141e-2		1,3-DINITROBENZENE
5.346	1	VV	1	9.79838e4	6.96597e-1	3.81039e-2		2,6-DINITROTOLUENE
5.910	1	MM	1	5.58990e4	1.24416	3.88251e-2		2,4-DINITROTOLUENE
6.304	1	BV	1	1.04334e5	6.69408e-1	3.89897e-2		3,4-DINITROTOLUENE
6.992	1	BV	1	4.11897e4	1.69867	3.90599e-2		1,3,5-TRINITROBENZENE
7.160	1	VV	1	8.29861e4	8.71436e-1	4.03714e-2		2,4,6-TRINITROTOLUENE
7.785	1	VB	1	3.09776e4	2.31284	3.99969e-2		PETN
8.106	1	BV	1	1.03519e5	6.95258e-1	4.01791e-2		RDX
8.649	1	MF	1	7.17681e4	9.64965e-1	3.86613e-2		4-AMINO-2,6-DINITROTOLUENE
8.714	1	MF	1	7.51311e4	9.13483e-1	3.83137e-2		3,5-DINITROANILINE
8.961	1	FM	1	8.28377e4	8.43453e-1	3.90051e-2		2-AMINO-4,6-DINITROTOLUENE
9.475	1	MF +	1	8.06129e4	9.06992e-1	4.08170e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.578	1	FM	1	3.33120e4	2.21468	4.11856e-2		TETRYL
12.205	1	MM	1	7570.23828	8.86012	3.74440e-2		HMX

OK
01/2/2017

=====

Acq. Operator	: JJK	Seq. Line	: 11
Acq. Instrument	: 3336A52146	Location	: Vial 11
Injection Date	: 12/11/2017 4:38:27 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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.		

=====

Totals without ISTD(s) : 7.50891e-1

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

Sample Name: A7L1102-CCV1

=====

Acq. Operator : jjk Seq. Line : 11
Acq. Instrument : 3337G12416 Location : Vial 11
Injection Date : 12/11/2017 4:47:50 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

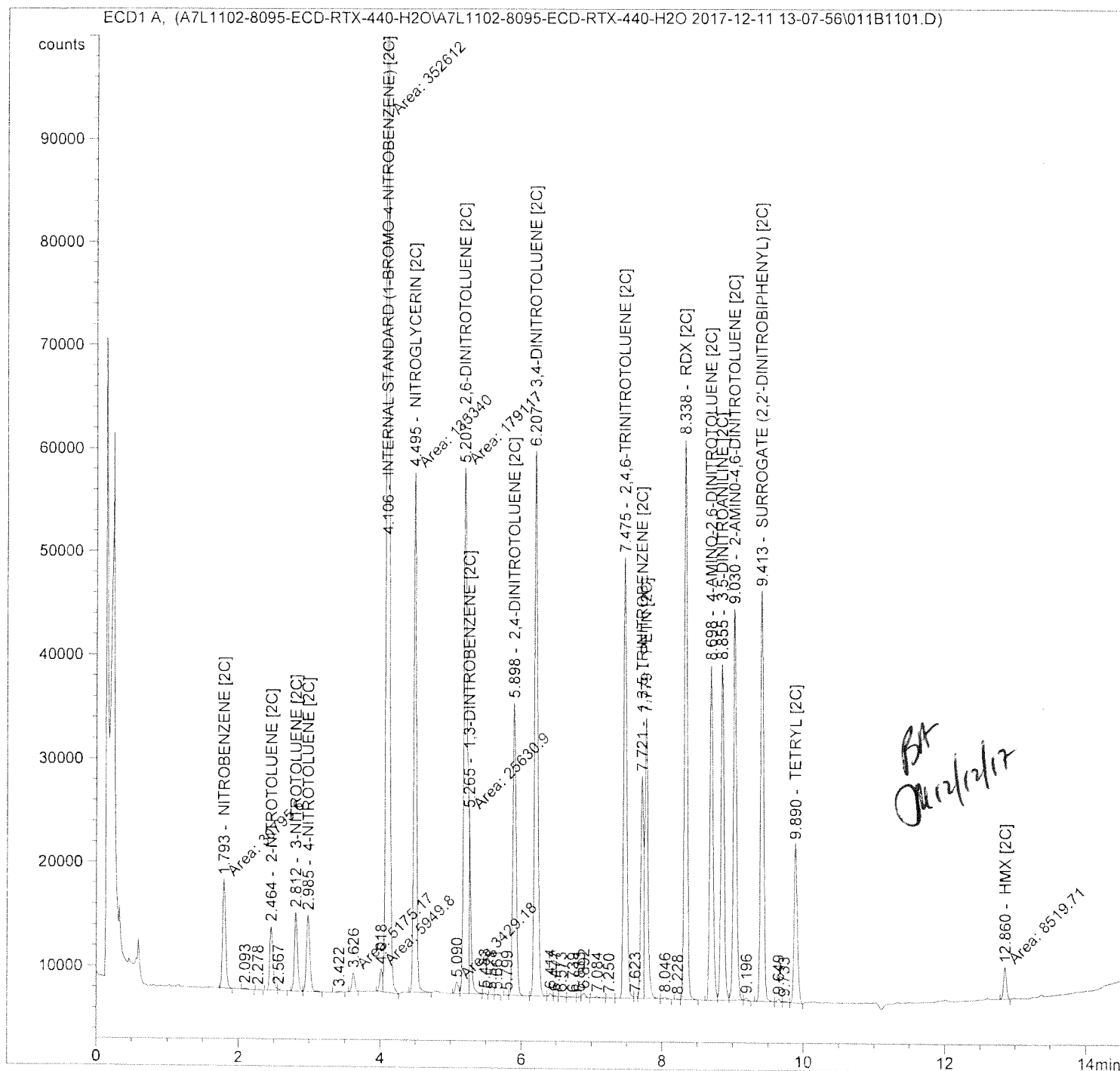
Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 11
Acq. Instrument	: 3337G12416	Location	: Vial 11
Injection Date	: 12/11/2017 4:47:50 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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 : Tuesday, December 12, 2017 2:01:29 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
1.793	1	MM	1	1.04480e4	3.45305	4.08781e-2		NITROBENZENE [2C]
2.464	1	BV	1	6177.48438	5.90292	4.13175e-2		2-NITROTOLUENE [2C]
2.812	1	BV	1	7580.43115	4.80697	4.12877e-2		3-NITROTOLUENE [2C]
2.985	1	VB	1	7362.68896	4.94796	4.12780e-2		4-NITROTOLUENE [2C]
4.106	1	FM +I	1	1.10320e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.495	1	MM	1	5.02653e4	7.27582e-1	4.14387e-2		NITROGLYCERIN [2C]
5.207	1	MF	1	5.06850e4	7.11764e-1	4.08762e-2		2,6-DINITROTOLUENE [2C]
5.265	1	FM	1	1.73828e4	2.13023	4.19567e-2		1,3-DINITROBENZENE [2C]
5.898	1	VB	1	2.81035e4	1.29122	4.11164e-2		2,4-DINITROTOLUENE [2C]
6.207	1	BB	1	5.25242e4	6.72335e-1	4.00130e-2		3,4-DINITROTOLUENE [2C]
7.475	1	BV	1	4.23961e4	9.01492e-1	4.33055e-2		2,4,6-TRINITROTOLUENE [2C]
7.721	1	VV	1	2.13018e4	1.73847	4.19604e-2		1,3,5-TRINITROBENZENE [2C]
7.779	1	VB	1	2.69241e4	1.35427	4.13144e-2		PETN [2C]
8.338	1	BB	1	5.39698e4	6.88390e-1	4.20960e-2		RDX [2C]
8.698	1	BV	1	3.21194e4	1.10352	4.01610e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.855	1	VV	1	3.21574e4	1.11150	4.04993e-2		3,5-DINITROANILINE [2C]
9.030	1	VB	1	3.75419e4	9.56300e-1	4.06786e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.413	1	BB +	1	3.93642e4	9.60473e-1	4.28393e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.890	1	VB	1	1.52099e4	2.64305	4.55499e-2		TETRYL [2C]
12.860	1	MM	1	3039.18823	11.00146	3.78847e-2		HMX [2C]

Totals without ISTD(s) : 7.86451e-1

OK
12/12/17

=====

Acq. Operator	: jjk	Seq. Line	: 11
Acq. Instrument	: 3337G12416	Location	: Vial 11
Injection Date	: 12/11/2017 4:47:50 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M		
Last changed	: 11/9/2017 1:20:54 PM by JJK		
Analysis Method	: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M		
Last changed	: 12/12/2017 2:02:33 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.		

=====

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: A7L1102

Lab Sample ID: A7L1102-ICV1

SDG: A175003

Project: Ashland Kenvil - Kenvil, NJ

Calibration: A171205

Calibration Date: 12/11/17 13:00

Injection Date: 12/11/17

Injection Time: 16:17

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0382	53.53438	45.37223		-4.6	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0386	21.87859	19.53831		-3.4	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0391	46.80831	40.47533		-2.2	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0386	19.60715	16.9164		-3.5	20
3,5-Dinitroaniline	PR	0.04000	0.0376	49.46364	41.29172		-5.9	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0378	18.86183	16.46881		-5.5	20
1,3-Dinitrobenzene	PR	0.04000	0.0403	16.60052	15.37719		0.8	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0400	9.860689	9.079775		0.03	20
2,6-Dinitrotoluene	PR	0.04000	0.0371	63.68702	53.36341		-7.4	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0390	29.79568	26.50772		-2.5	20
2,4-Dinitrotoluene	PR	0.04000	0.0375	36.42396	30.27377		-6.3	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0392	16.55548	14.6924		-2.0	20
HMX	PR	0.04000	0.0397	5.647487	4.486124		-0.7	20
HMX [2C]	PR	0.04000	0.0375	1.729791	1.636524		-6.3	20
Nitroglycerin	PR	0.04000	0.0370	37.60021	33.07855		-7.5	20
Nitroglycerin [2C]	PR	0.04000	0.0384	27.64398	25.49495		-4.0	20
3-Nitrotoluene	PR	0.04000	0.0387	4.664681	4.046863		-3.3	20
3-Nitrotoluene [2C]	PR	0.04000	0.0403	4.386919	4.041761		0.6	20
4-Nitrotoluene	PR	0.04000	0.0400	3.333154	3.101871		0.03	20
4-Nitrotoluene [2C]	PR	0.04000	0.0403	4.20425	3.92736		0.7	20
PETN	PR	0.04000	0.0388	18.46676	16.80233		-3.1	20
PETN [2C]	PR	0.04000	0.0390	14.91529	13.88849		-2.6	20
RDX	PR	0.04000	0.0406	57.55802	58.43619		1.6	20
RDX [2C]	PR	0.04000	0.0400	28.60707	27.97082		-0.07	20
Tetryl	PR	0.04000	0.0446	15.05799	20.53591		11.4	20
Tetryl [2C]	PR	0.04000	0.0455	5.574074	8.276189		13.6	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0409	25.4378	23.99652		2.3	20
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0426	11.9086	11.78603		6.5	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0389	49.70521	44.7576		-2.8	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0405	22.93219	21.75088		1.4	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0404	47.56922	44.59743		1.0	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Instrument ID: 3336A52146

Calibration: A171205

Lab File ID: 010B1001.D.Report.TXT

Calibration Date: 12/11/17 13:00

Sequence: A7L1102

Injection Date: 12/11/17

Lab Sample ID: A7L1102-ICV1

Injection Time: 16:17

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0420	20.92284	21.07652		5.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Sample Name: A7L1102-ICV1

=====

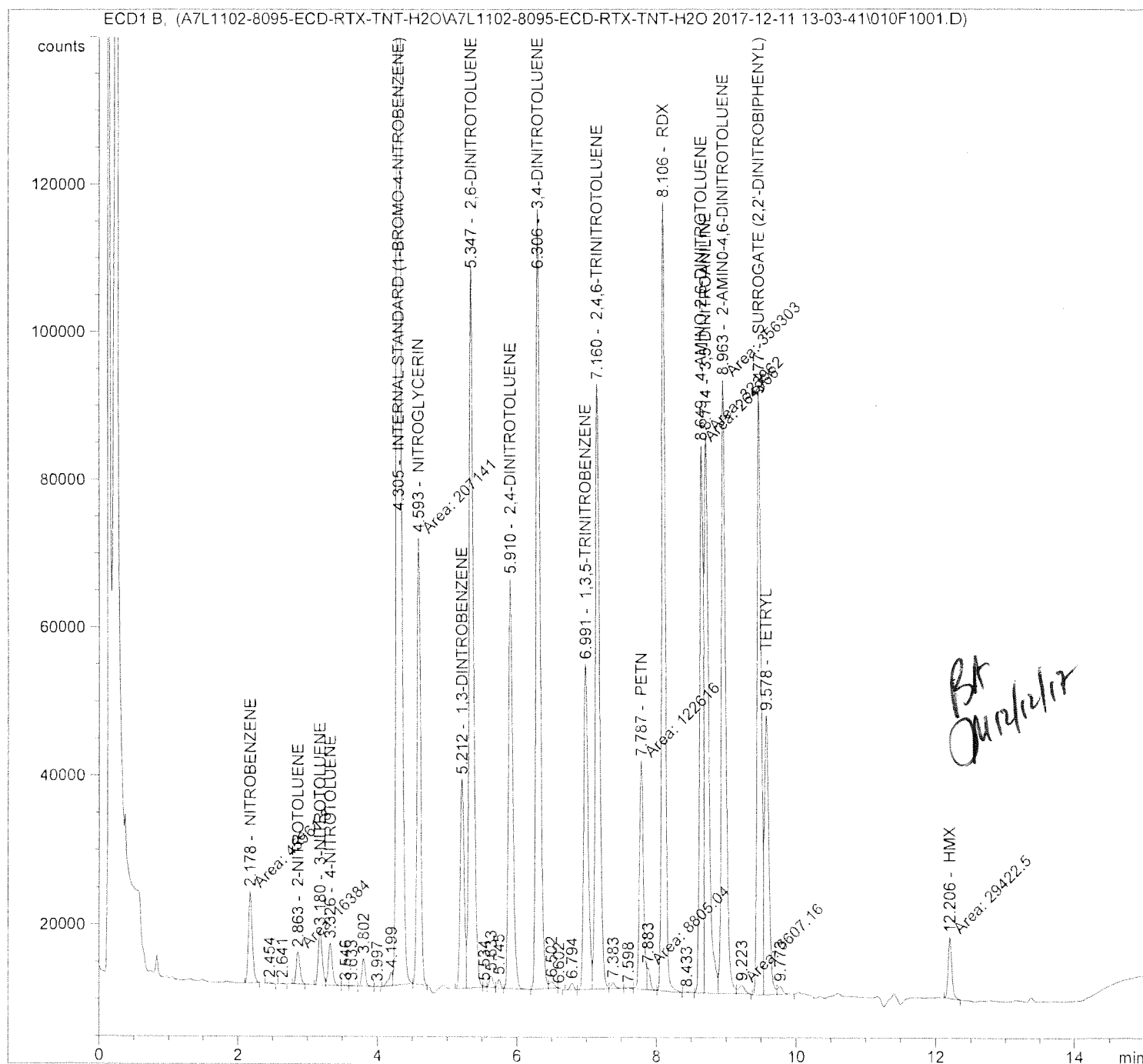
Acq. Operator : JJK Seq. Line : 10
Acq. Instrument : 3336A52146 Location : Vial 10
Injection Date : 12/11/2017 4:17:13 PM Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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: A7L1102-ICV1

```

=====
Acq. Operator   : JJK                               Seq. Line :   10
Acq. Instrument : 3336A52146                         Location  : Vial 10
Injection Date  : 12/11/2017 4:17:13 PM                Inj       :    1
                                           Inj Volume : Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====

```

```

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

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      12/12/2017 12:34:44 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)

```

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.178	1	MM	1	1.22751e4	5.74127	3.87228e-2		NITROBENZENE
2.863	1	MM	1	4302.57617	16.59768	3.92384e-2		2-NITROTOLUENE
3.180	1	BV	1	7365.16211	9.55506	3.86679e-2		3-NITROTOLUENE
3.326	1	VB	1	5645.30566	12.89930	4.00119e-2		4-NITROTOLUENE
4.305	1	VB +I	1	2.27496e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.593	1	MM	1	6.02019e4	1.11871	3.70052e-2		NITROGLYCERIN
5.212	1	BV	1	2.79860e4	2.62214	4.03210e-2		1,3-DINITROBENZENE
5.347	1	VV	1	9.71197e4	6.94307e-1	3.70505e-2		2,6-DINITROTOLUENE
5.910	1	BB	1	5.50973e4	1.23833	3.74888e-2		2,4-DINITROTOLUENE
6.306	1	BV	1	1.05168e5	6.68826e-1	3.86483e-2		3,4-DINITROTOLUENE
6.991	1	BV	1	4.36729e4	1.70592	4.09361e-2		1,3,5-TRINITROBENZENE
7.160	1	VV	1	8.14574e4	8.68538e-1	3.88736e-2		2,4,6-TRINITROTOLUENE
7.787	1	MF	1	3.05797e4	2.30729	3.87677e-2		PETN
8.106	1	BB	1	1.06352e5	6.95262e-1	4.06282e-2		RDX
8.649	1	MF	1	7.36638e4	9.66451e-1	3.91173e-2		4-AMINO-2,6-DINITROTOLUENE
8.714	1	FM	1	7.51496e4	9.11326e-1	3.76301e-2		3,5-DINITROANILINE
8.963	1	MF	1	8.25760e4	8.41063e-1	3.81608e-2		2-AMINO-4,6-DINITROTOLUENE
9.477	1	BV +	1	8.11659e4	9.06224e-1	4.04152e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.578	1	VV	1	3.73747e4	2.16998	4.45624e-2		TETRYL
12.206	1	MM	1	8164.60254	8.85380	3.97191e-2		HMX

OK
Muz/12/17

Sample Name: A7L1102-ICV1

```
=====
Acq. Operator   : JJK                               Seq. Line :   10
Acq. Instrument : 3336A52146                         Location  : Vial 10
Injection Date  : 12/11/2017 4:17:13 PM              Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\1\DATA\A7L1102-8095-ECD-RTX-TNT-H2O\A7L1102-8095-ECD-RTX-TNT-
                  H2O 2017-12-11 13-03-41\8095-ECD-RTX-TNT.M
Last changed    : 11/7/2017 12:56:57 PM by JJK
Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M
Last changed    : 12/12/2017 12:34:39 PM by JJK
                  (modified after loading)
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.
=====
```

Totals without ISTD(s) : 7.45965e-1

1 Warnings or Errors :

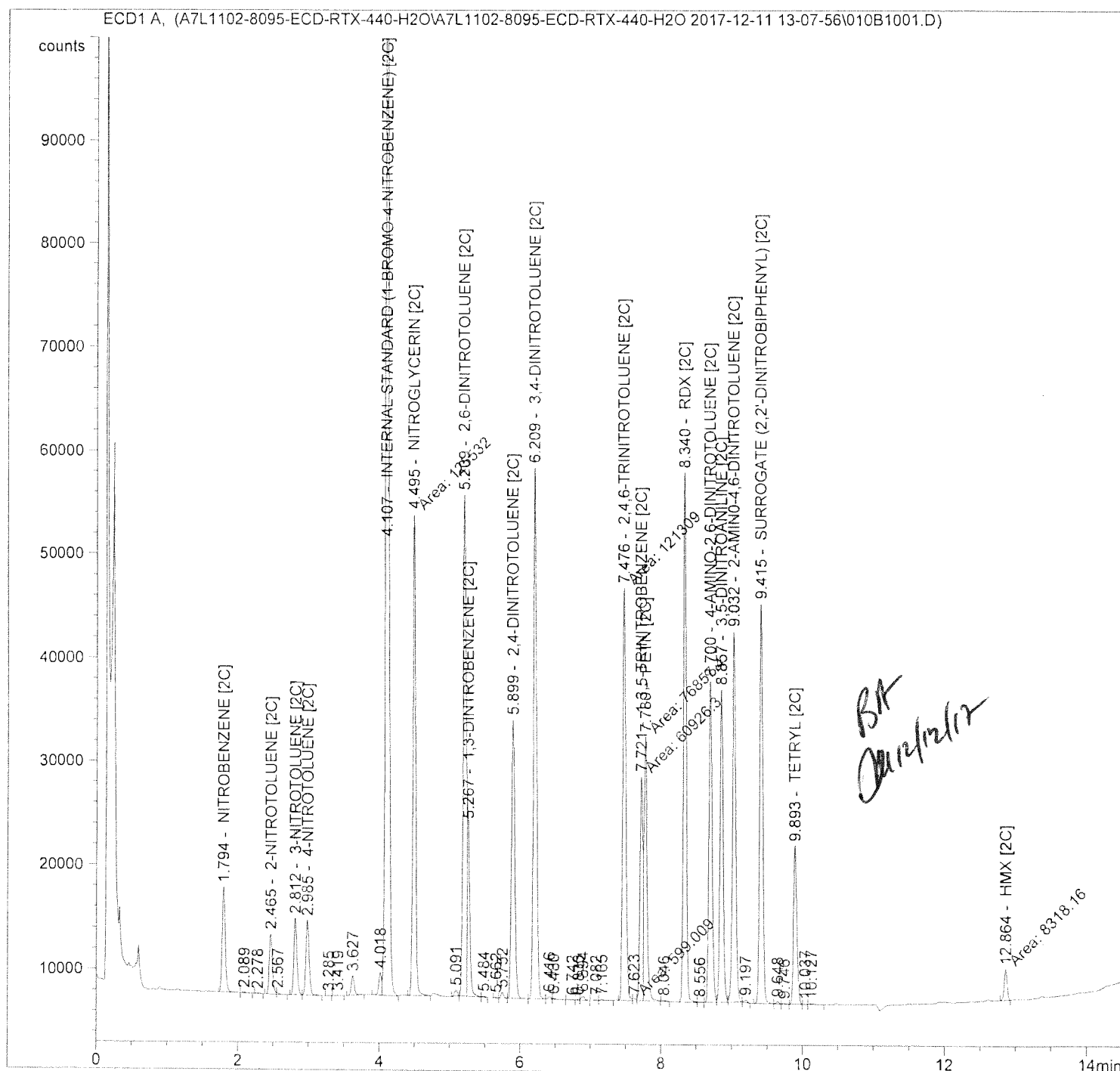
Warning : Calibration warnings (see calibration table listing)

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

=====

Acq. Operator	: jjk	Seq. Line	: 10
Acq. Instrument	: 3337G12416	Location	: Vial 10
Injection Date	: 12/11/2017 4:25:59 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M		
Last changed	: 11/9/2017 1:20:54 PM by JJK		
Analysis Method	: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M		
Last changed	: 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 10
Acq. Instrument	: 3337G12416	Location	: Vial 10
Injection Date	: 12/11/2017 4:25:59 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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			
1.794	1	BV	1	1.00274e4	3.44139	3.93694e-2		NITROBENZENE [2C]
2.465	1	BV	1	5760.32959	5.88080	3.86474e-2		2-NITROTOLUENE [2C]
2.812	1	BV	1	7355.87451	4.79623	4.02504e-2		3-NITROTOLUENE [2C]
2.985	1	VB	1	7147.67041	4.93896	4.02751e-2		4-NITROTOLUENE [2C]
4.107	1	VB +I	1	1.09566e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.495	1	MM	1	4.64000e4	7.25648e-1	3.84132e-2		NITROGLYCERIN [2C]
5.209	1	BV	1	4.82432e4	7.08615e-1	3.90017e-2		2,6-DINITROTOLUENE [2C]
5.267	1	VV B	1	1.65249e4	2.12232	4.00116e-2		1,3-DINITROBENZENE [2C]
5.899	1	VB	1	2.67397e4	1.28497	3.91998e-2		2,4-DINITROTOLUENE [2C]
6.209	1	BB	1	5.11608e4	6.70703e-1	3.91475e-2		3,4-DINITROTOLUENE [2C]
7.476	1	MF	1	3.95859e4	8.97843e-1	4.05487e-2		2,4,6-TRINITROTOLUENE [2C]
7.721	1	MF	1	2.14502e4	1.74016	4.25851e-2		1,3,5-TRINITROBENZENE [2C]
7.780	1	FM	1	2.52766e4	1.35103	3.89602e-2		PETN [2C]
8.340	1	BV	1	5.09060e4	6.88234e-1	3.99706e-2		RDX [2C]
8.700	1	BV	1	3.07873e4	1.09846	3.85826e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.857	1	VV	1	2.99727e4	1.10506	3.77874e-2		3,5-DINITROANILINE [2C]
9.032	1	VB	1	3.55591e4	9.52302e-1	3.86332e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.415	1	BV +	1	3.83586e4	9.59859e-1	4.20055e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.893	1	BB	1	1.50624e4	2.64522	4.54562e-2		TETRYL [2C]
12.864	1	MM	1	2978.42114	11.02643	3.74677e-2		HMX [2C]

Totals without ISTD(s) : 7.56313e-1

OK
12/12/17

Sample Name: A7L1102-ICV1

```
=====
Acq. Operator   : jjk                      Seq. Line :   10
Acq. Instrument : 3337G12416              Location  : Vial 10
Injection Date  : 12/11/2017 4:25:59 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1102-8095-ECD-RTX-440-H2O\A7L1102-8095-ECD-RTX-440-
                  H2O 2017-12-11 13-07-56\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====
```

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: 003F0301.D.Report.TXT

Sequence: A7L1301

Lab Sample ID: A7L1301-CCV1

SDG: A175003

Project: Ashland Kenvil - Kenvil, NJ

Calibration: A171205

Calibration Date: 12/11/17 13:00

Injection Date: 12/13/17

Injection Time: 13:41

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0369	53.53438	44.10768		-7.6	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0400	21.87859	20.41175		0.02	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0377	46.80831	39.18814		-5.8	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0389	19.60715	17.24957		-2.7	20
3,5-Dinitroaniline	PR	0.04000	0.0368	49.46364	40.46072		-8.1	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0405	18.86183	17.76676		1.3	20
1,3-Dinitrobenzene	PR	0.04000	0.0384	16.60052	14.69826		-4.1	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0406	9.860689	9.316855		1.6	20
2,6-Dinitrotoluene	PR	0.04000	0.0380	63.68702	54.60332		-4.9	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0405	29.79568	27.77655		1.4	20
2,4-Dinitrotoluene	PR	0.04000	0.0390	36.42396	31.31853		-2.5	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0409	16.55548	15.44435		2.3	20
HMX	PR	0.04000	0.0292	5.647487	3.282535		-27.1	20 *
HMX [2C]	PR	0.04000	0.0407	1.729791	1.829021		1.7	20
Nitroglycerin	PR	0.04000	0.0395	37.60021	35.18013		-1.2	20
Nitroglycerin [2C]	PR	0.04000	0.0421	27.64398	28.1684		5.2	20
3-Nitrotoluene	PR	0.04000	0.0386	4.664681	4.039283		-3.5	20
3-Nitrotoluene [2C]	PR	0.04000	0.0418	4.386919	4.234294		4.5	20
4-Nitrotoluene	PR	0.04000	0.0390	3.333154	3.031321		-2.4	20
4-Nitrotoluene [2C]	PR	0.04000	0.0413	4.20425	4.064659		3.2	20
PETN	PR	0.04000	0.0384	18.46676	16.6655		-3.9	20
PETN [2C]	PR	0.04000	0.0414	14.91529	14.89253		3.5	20
RDX	PR	0.04000	0.0399	57.55802	57.44184		-0.2	20
RDX [2C]	PR	0.04000	0.0423	28.60707	29.94158		5.8	20
Tetryl	PR	0.04000	0.0406	15.05799	18.24516		1.4	20
Tetryl [2C]	PR	0.04000	0.0449	5.574074	8.223859		12.2	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0378	25.4378	22.3107		-5.5	20
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0412	11.9086	11.55541		2.9	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0401	49.70521	46.06871		0.3	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0424	22.93219	22.93908		6.0	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0404	47.56922	44.60185		1.0	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Instrument ID: 3336A52146

Calibration: A171205

Lab File ID: 003B0301.D.Report.TXT

Calibration Date: 12/11/17 13:00

Sequence: A7L1301

Injection Date: 12/13/17

Lab Sample ID: A7L1301-CCV1

Injection Time: 13:41

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0423	20.92284	21.46191		5.7	20

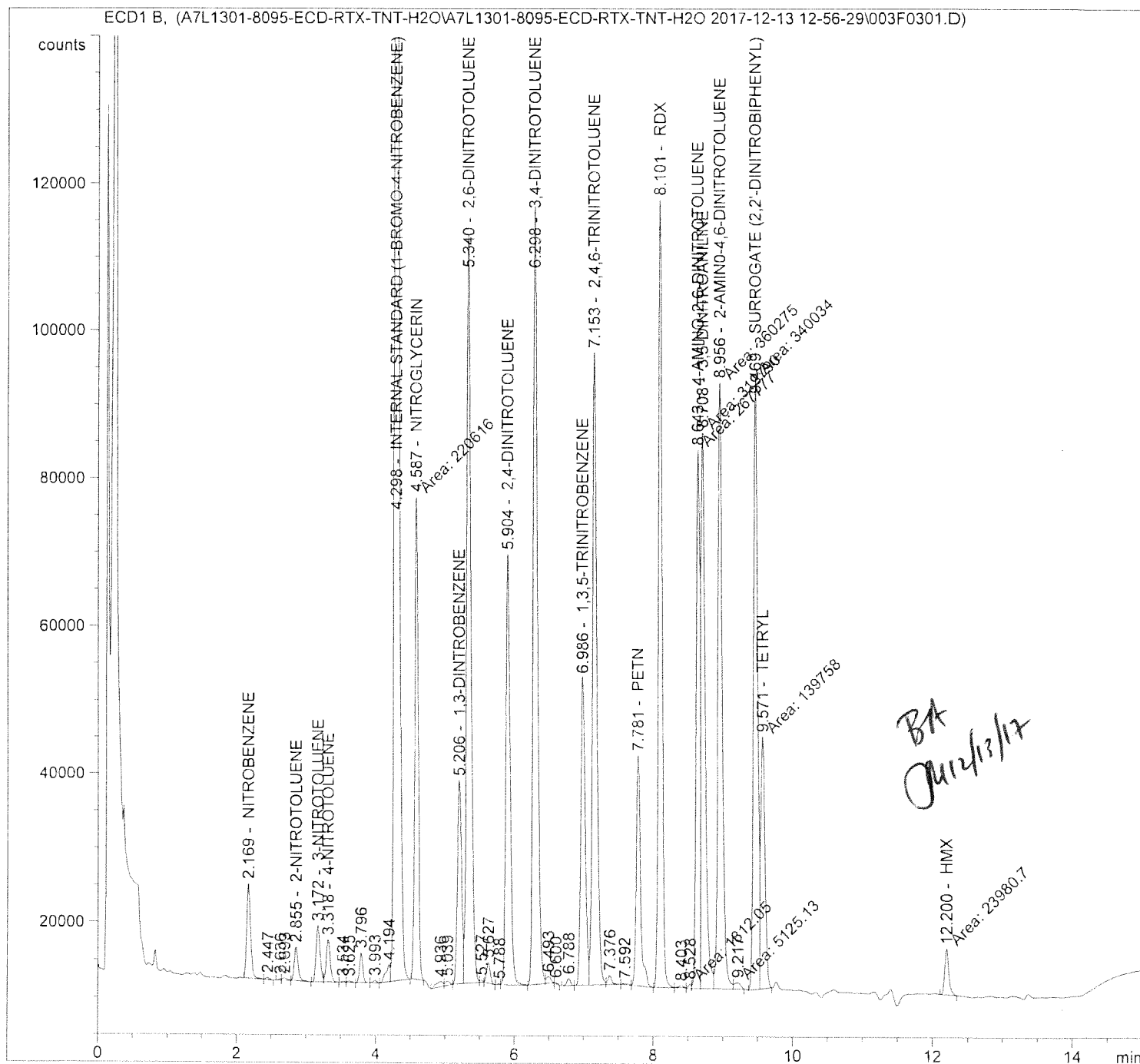
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

=====

Acq. Operator	: JJK	Seq. Line	: 3
Acq. Instrument	: 3336A52146	Location	: Vial 3
Injection Date	: 12/13/2017 1:41:40 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:34:39 PM by JJK (modified after loading)		
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 CYCLOSPPLITTER LINER USING A GOLD SEAL.		

=====



=====

Acq. Operator	: JJK	Seq. Line	: 3
Acq. Instrument	: 3336A52146	Location	: Vial 3
Injection Date	: 12/13/2017 1:41:40 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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 CYCLOSPPLITTER LINER USING A GOLD SEAL.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 12:34:44 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)

Signal 1: ECD1 B,

RetTime [min]	Sig	Type	ISTD used	Height [counts]	Amt/Height ratio	Amount	Grp	Name
2.169	1	BV	1	1.26203e4	5.74775	3.91895e-2		NITROBENZENE
2.855	1	BB	1	4453.54004	16.61393	3.99742e-2		2-NITROTOLUENE
3.172	1	BV	1	7476.58252	9.55271	3.85862e-2		3-NITROTOLUENE
3.318	1	VB	1	5610.87842	12.87262	3.90211e-2		4-NITROTOLUENE
4.298	1	VB +I	1	2.31371e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.587	1	MM	1	6.51173e4	1.12366	3.95305e-2		NITROGLYCERIN
5.206	1	BV	1	2.72060e4	2.60980	3.83596e-2		1,3-DINITROBENZENE
5.340	1	VV	1	1.01069e5	6.96433e-1	3.80275e-2		2,6-DINITROTOLUENE
5.904	1	VB	1	5.79696e4	1.24485	3.89871e-2		2,4-DINITROTOLUENE
6.298	1	BV	1	1.05390e5	6.67740e-1	3.80197e-2		3,4-DINITROTOLUENE
6.986	1	BV	1	4.12964e4	1.69356	3.77847e-2		1,3,5-TRINITROBENZENE
7.153	1	VV	1	8.52717e4	8.70965e-1	4.01243e-2		2,4,6-TRINITROTOLUENE
7.781	1	VB	1	3.08473e4	2.30572	3.84260e-2		PETN
8.101	1	BV	1	1.06323e5	6.95256e-1	3.99369e-2		RDX
8.643	1	MF	1	7.25360e4	9.61747e-1	3.76891e-2		4-AMINO-2,6-DINITROTOLUENE
8.708	1	FM	1	7.48915e4	9.08530e-1	3.67598e-2		3,5-DINITROANILINE
8.956	1	FM	1	8.16419e4	8.37529e-1	3.69415e-2		2-AMINO-4,6-DINITROTOLUENE
9.469	1	MF +	1	8.25566e4	9.06233e-1	4.04198e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.571	1	FM	1	3.37712e4	2.22338	4.05661e-2		TETRYL
12.200	1	MM	1	6075.86719	8.88696	2.91718e-2		HMX — low

OK 12/13/17

=====

Acq. Operator	: JJK	Seq. Line	: 3
Acq. Instrument	: 3336A52146	Location	: Vial 3
Injection Date	: 12/13/2017 1:41:40 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301-8095-ECD-RTX-TNT-H2O 2017-12-13 12-56-29\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:34:39 PM by JJK
(modified after loading)

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.

=====

Totals without ISTD(s) : 7.27515e-1

1 Warnings or Errors :

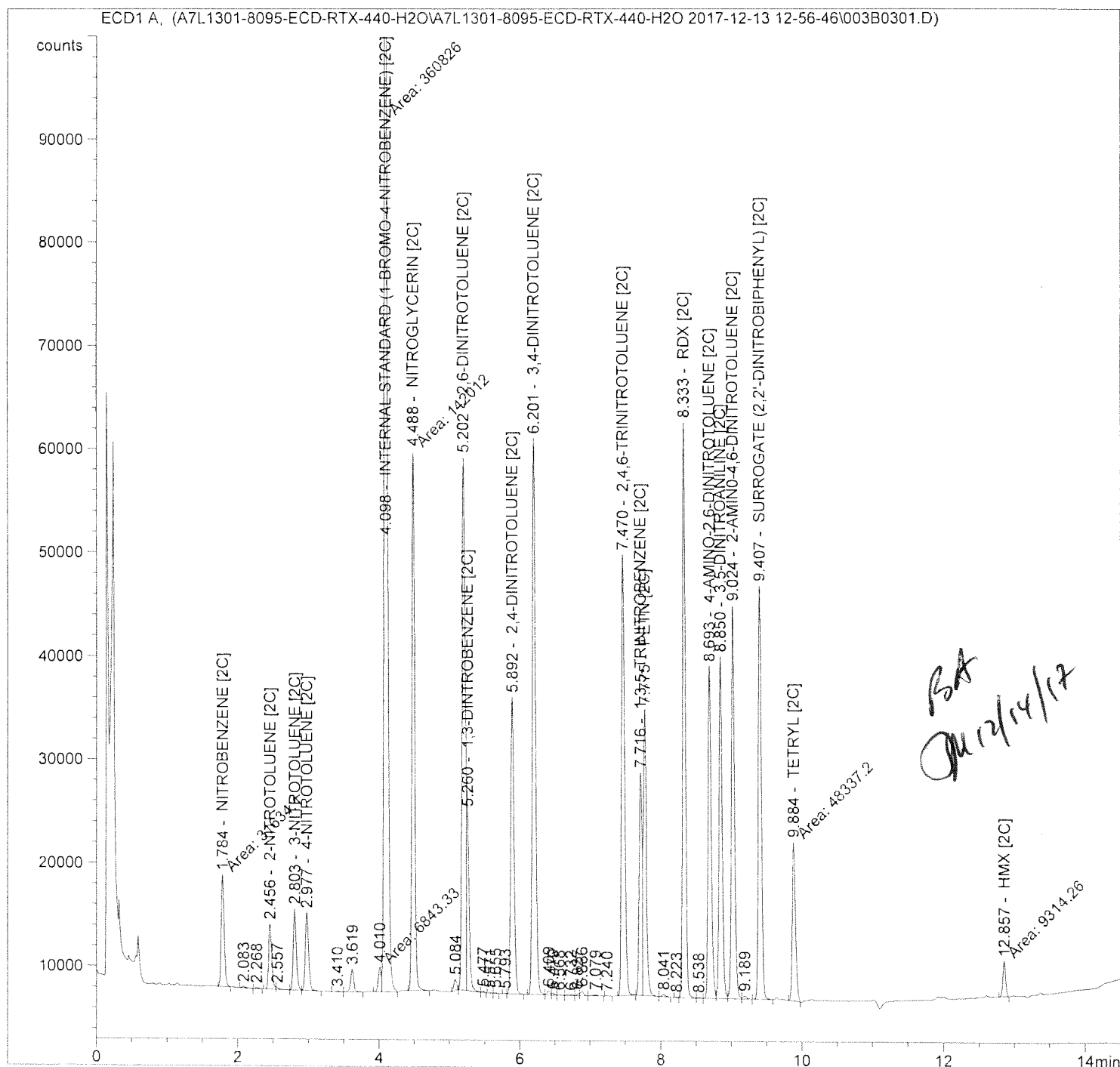
Warning : Calibration warnings (see calibration table listing)

=====

*** End of Report ***

Sample Name: A7L1301-CCV1

```
=====
Acq. Operator   : jjk                               Seq. Line :    3
Acq. Instrument : 3337G12416                         Location  : Vial 3
Injection Date  : 12/13/2017 1:43:03 PM              Inj       :    1
                                                    Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====
```



Sample Name: A7L1301-CCV1

```

=====
Acq. Operator   : jjk                      Seq. Line :    3
Acq. Instrument : 3337G12416              Location  : Vial 3
Injection Date  : 12/13/2017 1:43:03 PM    Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-
                  H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====

```

```

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

```

```

Sorted By           :      Retention Time
Calib. Data Modified :      Tuesday, December 12, 2017 2:01:29 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
1.784	1	MM	1	1.08024e4	3.45703	4.14060e-2		NITROBENZENE [2C]
2.456	1	BV	1	6298.99023	5.90214	4.12214e-2		2-NITROTOLUENE [2C]
2.803	1	VV	1	7837.54150	4.81238	4.18197e-2		3-NITROTOLUENE [2C]
2.977	1	VB	1	7523.55371	4.94794	4.12752e-2		4-NITROTOLUENE [2C]
4.098	1	FM +I	1	1.12737e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.488	1	MM	1	5.21388e4	7.27977e-1	4.20843e-2		NITROGLYCERIN [2C]
5.202	1	BV	1	5.14135e4	7.11214e-1	4.05433e-2		2,6-DINITROTOLUENE [2C]
5.260	1	VB B	1	1.72452e4	2.12487	4.06295e-2		1,3-DINITROBENZENE [2C]
5.892	1	VB	1	2.85870e4	1.29054	4.09055e-2		2,4-DINITROTOLUENE [2C]
6.201	1	BV	1	5.36641e4	6.72317e-1	4.00037e-2		3,4-DINITROTOLUENE [2C]
7.470	1	BB	1	4.24595e4	9.00297e-1	4.23840e-2		2,4,6-TRINITROTOLUENE [2C]
7.716	1	BV	1	2.13887e4	1.73632	4.11769e-2		1,3,5-TRINITROBENZENE [2C]
7.775	1	VB	1	2.75656e4	1.35438	4.13952e-2		PETN [2C]
8.333	1	BV	1	5.54209e4	6.88405e-1	4.23018e-2		RDX [2C]
8.693	1	BV	1	3.19284e4	1.09958	3.89264e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.850	1	VV	1	3.28857e4	1.11158	4.05310e-2		3,5-DINITROANILINE [2C]
9.024	1	VV	1	3.77815e4	9.55006e-1	4.00062e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.407	1	BB +	1	3.97253e4	9.60068e-1	4.22874e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.884	1	MM	1	1.52221e4	2.65883	4.48753e-2		TETRYL [2C]
12.857	1	MM	1	3385.45972	10.84142	4.06954e-2		HMX [2C]

Totals without ISTD(s) : 7.84468e-1

On 12/14/17

=====

Acq. Operator	: jjk	Seq. Line	: 3
Acq. Instrument	: 3337G12416	Location	: Vial 3
Injection Date	: 12/13/2017 1:43:03 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301-8095-ECD-RTX-440-H2O\A7L1301-8095-ECD-RTX-440-H2O 2017-12-13 12-56-46\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

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: 011F0201.D.Report.TXT

Sequence: A7L1301

Lab Sample ID: A7L1301-CCV2

SDG: A175003

Project: Ashland Kenvil - Kenvil, NJ

Calibration: A171205

Calibration Date: 12/11/17 13:00

Injection Date: 12/13/17

Injection Time: 17:00

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Amino-4,6-dinitrotoluene	PR	0.04000	0.0355	53.53438	42.61251		-11.2	20
2-Amino-4,6-dinitrotoluene [2C]	PR	0.04000	0.0391	21.87859	22.97245		-2.3	20
4-Amino-2,6-dinitrotoluene	PR	0.04000	0.0367	46.80831	38.29226		-8.3	20
4-Amino-2,6-dinitrotoluene [2C]	PR	0.04000	0.0380	19.60715	19.43846		-4.9	20
3,5-Dinitroaniline	PR	0.04000	0.0350	49.46364	38.75161		-12.6	20
3,5-Dinitroaniline [2C]	PR	0.04000	0.0387	18.86183	19.58565		-3.3	20
1,3-Dinitrobenzene	PR	0.04000	0.0399	16.60052	15.22877		-0.3	20
1,3-Dinitrobenzene [2C]	PR	0.04000	0.0427	9.860689	11.2167		6.7	20
2,6-Dinitrotoluene	PR	0.04000	0.0385	63.68702	55.15481		-3.8	20
2,6-Dinitrotoluene [2C]	PR	0.04000	0.0397	29.79568	31.36979		-0.7	20
2,4-Dinitrotoluene	PR	0.04000	0.0382	36.42396	30.7849		-4.4	20
2,4-Dinitrotoluene [2C]	PR	0.04000	0.0402	16.55548	17.49326		0.5	20
HMX	PR	0.04000	0.0292	5.647487	3.288841		-26.9	20 *
HMX [2C]	PR	0.04000	0.0432	1.729791	2.263556		8.1	20
Nitroglycerin	PR	0.04000	0.0381	37.60021	33.99535		-4.7	20
Nitroglycerin [2C]	PR	0.04000	0.0393	27.64398	30.32488		-1.8	20
3-Nitrotoluene	PR	0.04000	0.0389	4.664681	4.070057		-2.7	20
3-Nitrotoluene [2C]	PR	0.04000	0.0398	4.386919	4.654248		-0.5	20
4-Nitrotoluene	PR	0.04000	0.0408	3.333154	3.157517		2.0	20
4-Nitrotoluene [2C]	PR	0.04000	0.0395	4.20425	4.490843		-1.2	20
PETN	PR	0.04000	0.0356	18.46676	15.53986		-10.9	20
PETN [2C]	PR	0.04000	0.0401	14.91529	16.61809		0.3	20
RDX	PR	0.04000	0.0381	57.55802	54.76916		-4.8	20
RDX [2C]	PR	0.04000	0.0402	28.60707	32.7236		0.5	20
Tetryl	PR	0.04000	0.0381	15.05799	16.88554		-4.6	20
Tetryl [2C]	PR	0.04000	0.0434	5.574074	9.03837		8.6	20
1,3,5-Trinitrobenzene	PR	0.04000	0.0360	25.4378	21.35567		-10.0	20
1,3,5-Trinitrobenzene [2C]	PR	0.04000	0.0401	11.9086	12.98145		0.4	20
2,4,6-Trinitrotoluene	PR	0.04000	0.0387	49.70521	44.61269		-3.2	20
2,4,6-Trinitrotoluene [2C]	PR	0.04000	0.0418	22.93219	26.03733		4.5	20
2,2'-Dinitrobiphenyl	PR	0.04000	0.0389	47.56922	43.02721		-2.8	20

CONTINUING CALIBRATION CHECK

EPA 8095

Laboratory: Pace Analytical - Madison

SDG: A175003

Client: Kennedy Jenks Consultants

Project: Ashland Kenvil - Kenvil, NJ

Instrument ID: 3336A52146

Calibration: A171205

Lab File ID: 011B0201.D.Report.TXT

Calibration Date: 12/11/17 13:00

Sequence: A7L1301

Injection Date: 12/13/17

Lab Sample ID: A7L1301-CCV2

Injection Time: 17:00

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,2'-Dinitrobiphenyl [2C]	PR	0.04000	0.0410	20.92284	23.93456		2.4	20

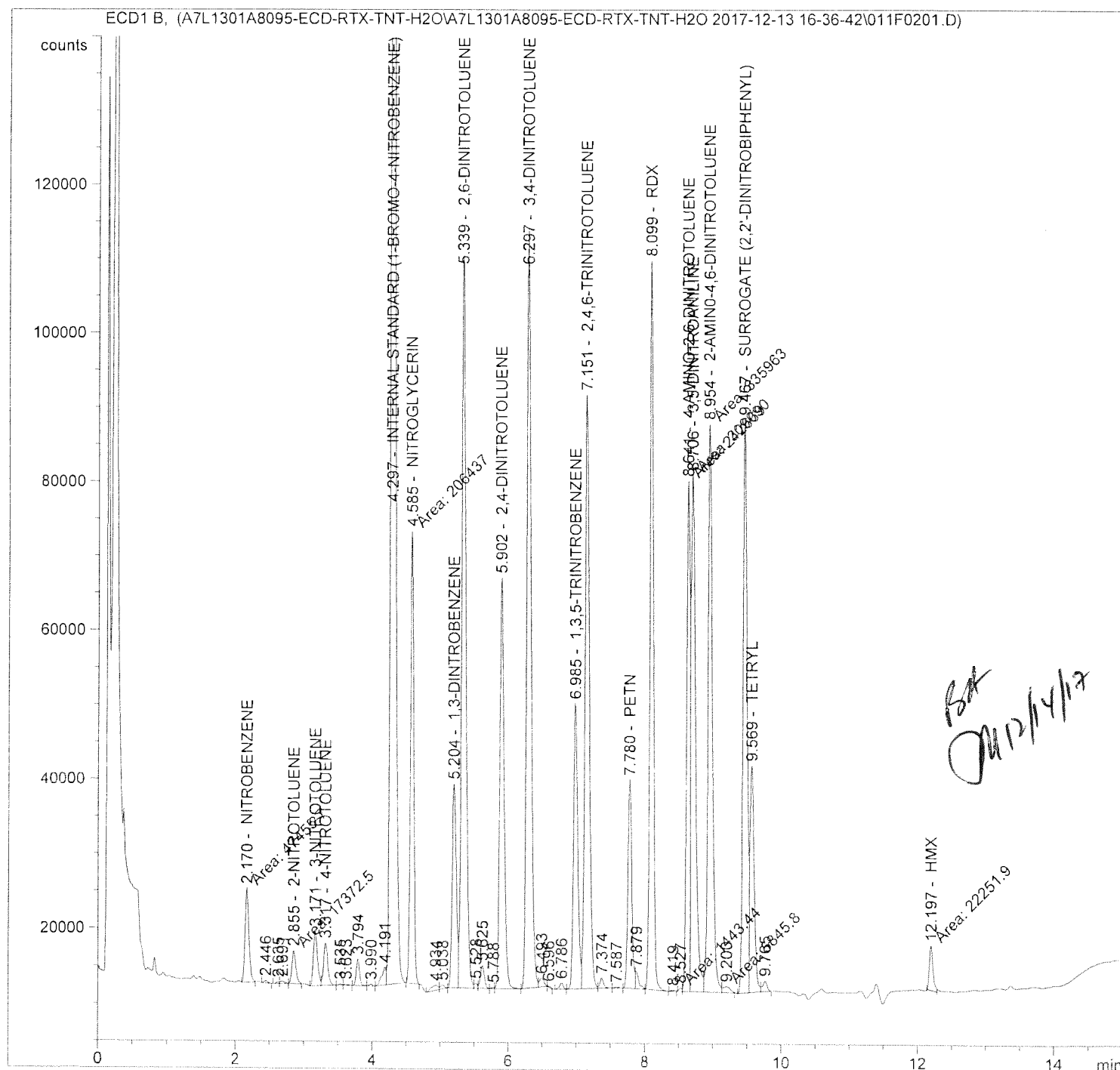
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

=====

Acq. Operator	: JJK	Seq. Line	: 2
Acq. Instrument	: 3336A52146	Location	: Vial 11
Injection Date	: 12/13/2017 5:00:38 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\A7L1301A8095-ECD-RTX-TNT-H2O\A7L1301A8095-ECD-RTX-TNT-H2O 2017-12-13 16-36-42\8095-ECD-RTX-TNT.M		
Last changed	: 11/7/2017 12:56:57 PM by JJK		
Analysis Method	: C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M		
Last changed	: 12/12/2017 12:23:17 PM by JJK		
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	: JJK	Seq. Line	: 2
Acq. Instrument	: 3336A52146	Location	: Vial 11
Injection Date	: 12/13/2017 5:00:38 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301A8095-ECD-RTX-TNT-H2O\A7L1301A8095-ECD-RTX-TNT-H2O 2017-12-13 16-36-42\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : 12/12/2017 8:33:54 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
2.170	1	MM	1	1.24654e4	5.76282	4.02950e-2		NITROBENZENE
2.855	1	MM	1	4372.30127	16.63162	4.07902e-2		2-NITROTOLUENE
3.171	1	BV	1	7255.86865	9.56223	3.89188e-2		3-NITROTOLUENE
3.317	1	VB	1	5629.04541	12.91996	4.07950e-2		4-NITROTOLUENE
4.297	1	VB +I	1	2.22843e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE)
4.585	1	MM	1	6.06050e4	1.12090	3.81054e-2		NITROGLYCERIN
5.204	1	BV	1	2.71490e4	2.61948	3.98916e-2		1,3-DINITROBENZENE
5.339	1	VV	1	9.83269e4	6.97366e-1	3.84631e-2		2,6-DINITROTOLUENE
5.902	1	VB	1	5.48816e4	1.24155	3.82209e-2		2,4-DINITROTOLUENE
6.297	1	BV	1	1.01633e5	6.67832e-1	3.80725e-2		3,4-DINITROTOLUENE
6.985	1	BV	1	3.80717e4	1.68618	3.60096e-2		1,3,5-TRINITROBENZENE
7.151	1	VV	1	7.95330e4	8.68266e-1	3.87357e-2		2,4,6-TRINITROTOLUENE
7.780	1	BV	1	2.77036e4	2.29231	3.56221e-2		PETN
8.099	1	BB	1	9.76394e4	6.95242e-1	3.80778e-2		RDX
8.641	1	MF	1	6.82653e4	9.58395e-1	3.66991e-2		4-AMINO-2,6-DINITROTOLUENE
8.706	1	FM	1	6.90842e4	9.02620e-1	3.49780e-2		3,5-DINITROANILINE
8.954	1	MF	1	7.59672e4	8.33237e-1	3.55063e-2		2-AMINO-4,6-DINITROTOLUENE
9.467	1	BV +	1	7.67065e4	9.03189e-1	3.88617e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.569	1	VV	1	3.01026e4	2.25907	3.81456e-2		TETRYL
12.197	1	MM	1	5863.16064	8.88676	2.92271e-2		HMX — low

Totals without ISTD(s) : 7.15416e-1

Sample Name: A7L1301-CCV2

=====

Acq. Operator	: JJK	Seq. Line	: 2
Acq. Instrument	: 3336A52146	Location	: Vial 11
Injection Date	: 12/13/2017 5:00:38 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\A7L1301A8095-ECD-RTX-TNT-H2O 2017-12-13 16-36-42\8095-ECD-RTX-TNT.M

Last changed : 11/7/2017 12:56:57 PM by JJK

Analysis Method : C:\CHEM32\1\METHODS\A7L1102-ECD-8095-RTX-TNT-H2O.M

Last changed : 12/12/2017 12:23:17 PM by JJK

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)

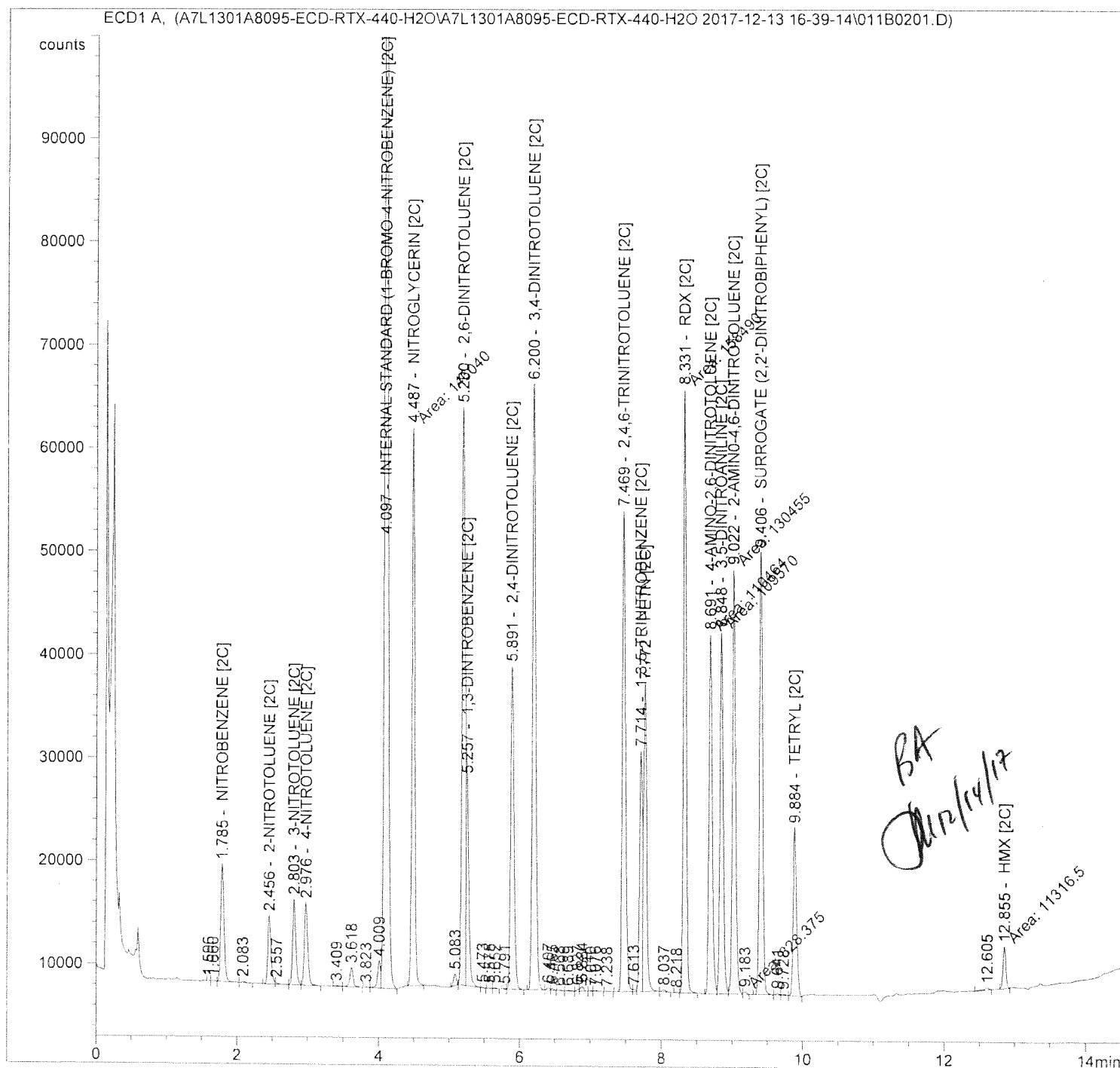
=====

*** End of Report ***

=====

Acq. Operator	: jjk	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 11
Injection Date	: 12/13/2017 5:05:05 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\2\DATA\A7L1301A8095-ECD-RTX-440-H2O\A7L1301A8095-ECD-RTX-440-H2O 2017-12-13 16-39-14\8095-ECD-RTX-440.M		
Last changed	: 11/9/2017 1:20:54 PM by JJK		
Analysis Method	: C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M		
Last changed	: 12/12/2017 2:02:33 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	: jjk	Seq. Line	: 2
Acq. Instrument	: 3337G12416	Location	: Vial 11
Injection Date	: 12/13/2017 5:05:05 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\2\DATA\A7L1301A8095-ECD-RTX-440-H2O\A7L1301A8095-ECD-RTX-440-H2O 2017-12-13 16-39-14\8095-ECD-RTX-440.M

Last changed : 11/9/2017 1:20:54 PM by JJK

Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M

Last changed : 12/12/2017 2:02:33 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.

=====

Internal Standard Report

=====

Sorted By : Retention Time

Calib. Data Modified : Tuesday, December 12, 2017 2:01:29 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
1.785	1	BB	1	1.13204e4	3.43807	3.89492e-2		NITROBENZENE [2C]
2.456	1	BV	1	6608.60352	5.88302	3.89074e-2		2-NITROTOLUENE [2C]
2.803	1	VV	1	8297.33203	4.79133	3.97847e-2		3-NITROTOLUENE [2C]
2.976	1	VB	1	8006.02441	4.93200	3.95150e-2		4-NITROTOLUENE [2C]
4.097	1	VB +I	1	1.24907e5	1.00000	1.25000e-1		INTERNAL STANDARD (1-BROMO-4-NITROBENZENE) [2C]
4.487	1	MM	1	5.40615e4	7.26223e-1	3.92898e-2		NITROGLYCERIN [2C]
5.200	1	BV	1	5.59243e4	7.09850e-1	3.97273e-2		2,6-DINITROTOLUENE [2C]
5.257	1	VV B	1	1.99965e4	2.13311	4.26864e-2		1,3-DINITROBENZENE [2C]
5.891	1	VB	1	3.11860e4	1.28828	4.02061e-2		2,4-DINITROTOLUENE [2C]
6.200	1	BB	1	5.85958e4	6.71092e-1	3.93523e-2		3,4-DINITROTOLUENE [2C]
7.469	1	BV	1	4.64179e4	8.99506e-1	4.17841e-2		2,4,6-TRINITROTOLUENE [2C]
7.714	1	VV	1	2.31426e4	1.73342	4.01456e-2		1,3,5-TRINITROBENZENE [2C]
7.772	1	VB	1	2.96258e4	1.35263	4.01023e-2		PETN [2C]
8.331	1	MM	1	5.83378e4	6.88250e-1	4.01807e-2		RDX [2C]
8.691	1	MF	1	3.46538e4	1.09665	3.80311e-2		4-AMINO-2,6-DINITROTOLUENE [2C]
8.848	1	MF	1	3.49162e4	1.10725	3.86896e-2		3,5-DINITROANILINE [2C]
9.022	1	MF	1	4.09540e4	9.53161e-1	3.90647e-2		2-AMINO-4,6-DINITROTOLUENE [2C]
9.406	1	BB +	1	4.26692e4	9.59067e-1	4.09529e-2		SURROGATE (2,2'-DINITROBIPHENYL)
9.884	1	BB	1	1.61131e4	2.69366	4.34355e-2		TETRYL [2C]
12.855	1	MM	1	4035.34131	10.70757	4.32407e-2		HMX [2C]

Totals without ISTD(s) : 7.64046e-1

OK
12/14/17

Sample Name: A7L1301-CCV2

```
=====
Acq. Operator   : jjk                      Seq. Line :    2
Acq. Instrument : 3337G12416                Location  : Vial 11
Injection Date  : 12/13/2017 5:05:05 PM      Inj       :    1
                                           Inj Volume: Manually
Acq. Method     : C:\CHEM32\2\DATA\A7L1301A8095-ECD-RTX-440-H2O\A7L1301A8095-ECD-RTX-440-
                  H2O 2017-12-13 16-39-14\8095-ECD-RTX-440.M
Last changed    : 11/9/2017 1:20:54 PM by JJK
Analysis Method : C:\CHEM32\2\METHODS\A7L1102-8095-ECD-RTX-440-H2O.M
Last changed    : 12/12/2017 2:02:33 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.
=====
```

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: A7L1102

SDG: A175003
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3336A52146
 Calibration: A171205

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (A7L1102-ICV1) ug/mL				Lab File ID: 010F1001.D.ReportAnalyzed: 12/11/17 16:17				
2,2'-Dinitrobiphenyl	0.04000	101	80 - 120	9.477	9.475667	0.0013	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	105	80 - 120	9.415	9.414833	0.0002	+/-1.000	
Calibration Check (A7L1102-CCV1) ug/mL				Lab File ID: 011F1101.D.ReportAnalyzed: 12/11/17 16:38				
2,2'-Dinitrobiphenyl	0.04000	102	80 - 120	9.475	9.475667	-0.0007	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	107	80 - 120	9.413	9.414833	-0.0018	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison
 Client: Kennedy Jenks Consultants
 Sequence: A7L1301

SDG: A175003
 Project: Ashland Kenvil - Kenvil, NJ
 Instrument: 3336A52146
 Calibration: A171205

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Instrument Blank (A7L1301-IBL1) ug/mL				Lab File ID: 001F0101.D.ReportAnalyzed: 12/13/17 12:58				
2,2'-Dinitrobiphenyl			60 - 140		9.475667	-9.4757	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		9.414833	-9.4148	+/-1.000	
Instrument Blank (A7L1301-IBL2) ug/mL				Lab File ID: 002F0201.D.ReportAnalyzed: 12/13/17 13:20				
2,2'-Dinitrobiphenyl			60 - 140	9.474	9.475667	-0.0017	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		9.414833	-9.4148	+/-1.000	
Calibration Check (A7L1301-CCV1) ug/mL				Lab File ID: 003F0301.D.ReportAnalyzed: 12/13/17 13:41				
2,2'-Dinitrobiphenyl	0.04000	101	80 - 120	9.469	9.475667	-0.0067	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	106	80 - 120	9.407	9.414833	-0.0078	+/-1.000	
Instrument Blank (A7L1301-IBL3) ug/mL				Lab File ID: 004F0401.D.ReportAnalyzed: 12/13/17 14:03				
2,2'-Dinitrobiphenyl			60 - 140	9.465	9.475667	-0.0107	+/-1.000	
2,2'-Dinitrobiphenyl [2C]			60 - 140		9.414833	-9.4148	+/-1.000	
Blank (A712034-BLK1) ug/L				Lab File ID: 005F0501.D.ReportAnalyzed: 12/13/17 14:24				
2,2'-Dinitrobiphenyl	1.000	98.4	60 - 140	9.468	9.475667	-0.0077	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	1.000	107	60 - 140	9.409	9.414833	-0.0058	+/-1.000	
PW-955-121117 (A175003-01) ug/L				Lab File ID: 006F0601.D.ReportAnalyzed: 12/13/17 14:45				
2,2'-Dinitrobiphenyl	1.000	98.7	60 - 140	9.468	9.475667	-0.0077	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	1.000	102	60 - 140	9.407	9.414833	-0.0078	+/-1.000	
PW-955-121117-DUP (A175003-02) ug/L				Lab File ID: 007F0701.D.ReportAnalyzed: 12/13/17 15:07				
2,2'-Dinitrobiphenyl	1.000	98.4	60 - 140	9.471	9.475667	-0.0047	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	1.000	104	60 - 140	9.409	9.414833	-0.0058	+/-1.000	
LCS (A712034-BS1) ug/L				Lab File ID: 008F0801.D.ReportAnalyzed: 12/13/17 15:28				
2,2'-Dinitrobiphenyl	1.000	104	60 - 140	9.47	9.475667	-0.0057	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	1.000	109	60 - 140	9.407	9.414833	-0.0078	+/-1.000	
Matrix Spike (A712034-MS1) ug/L				Lab File ID: 009F0901.D.ReportAnalyzed: 12/13/17 15:49				
2,2'-Dinitrobiphenyl	1.000	102	60 - 140	9.47	9.475667	-0.0057	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	1.000	103	60 - 140	9.409	9.414833	-0.0058	+/-1.000	
Matrix Spike Dup (A712034-MSD1) ug/L				Lab File ID: 010F0101.D.ReportAnalyzed: 12/13/17 16:39				
2,2'-Dinitrobiphenyl	1.000	100	60 - 140	9.471	9.475667	-0.0047	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	1.000	105	60 - 140	9.411	9.414833	-0.0038	+/-1.000	
Calibration Check (A7L1301-CCV2) ug/mL				Lab File ID: 011F0201.D.ReportAnalyzed: 12/13/17 17:00				
2,2'-Dinitrobiphenyl	0.04000	97.2	80 - 120	9.467	9.475667	-0.0087	+/-1.000	
2,2'-Dinitrobiphenyl [2C]	0.04000	102	80 - 120	9.406	9.414833	-0.0088	+/-1.000	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

Client: Kennedy Jenks Consultants

Sequence: A7L1102

Matrix: Water

SDG: A175003

Project: Ashland Kenvil - Kenvil, NJ

Instrument: 3336A52146

Calibration: A171205

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (A7L1102-ICV1)			Lab File ID: 010F1001.D.Report.TXT			Analyzed: 12/11/17 16:17			
1-Bromo-4-nitrobenzene	227496	4.305	224639	4.304	101	50 - 300	0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	109566	4.107	111679	4.104	98	50 - 300	0.0030	+/-0.50	
Calibration Check (A7L1102-CCV1)			Lab File ID: 011F1101.D.Report.TXT			Analyzed: 12/11/17 16:38			
1-Bromo-4-nitrobenzene	223912	4.304	224639	4.304	100	50 - 300	-0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	110320	4.106	111679	4.104	99	50 - 300	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8095

Laboratory: Pace Analytical - Madison

Client: Kennedy Jenks Consultants

Sequence: A7L1301

Matrix: Water

SDG: A175003

Project: Ashland Kenvil - Kenvil, NJ

Instrument: 3336A52146

Calibration: A171205

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Instrument Blank (A7L1301-IBL1)			Lab File ID: 001F0101.D.Report.TXT			Analyzed: 12/13/17 12:58			
1-Bromo-4-nitrobenzene			224639	4.304		50 - 300	-4.3040	+/-0.50	
1-Bromo-4-nitrobenzene [2C]			111679	4.104		50 - 300	-4.3040	+/-0.50	
Instrument Blank (A7L1301-IBL2)			Lab File ID: 002F0201.D.Report.TXT			Analyzed: 12/13/17 13:20			
1-Bromo-4-nitrobenzene			224639	4.304		50 - 300	-4.3040	+/-0.50	
1-Bromo-4-nitrobenzene [2C]			111679	4.104		50 - 300	-4.3040	+/-0.50	
Calibration Check (A7L1301-CCV1)			Lab File ID: 003F0301.D.Report.TXT			Analyzed: 12/13/17 13:41			
1-Bromo-4-nitrobenzene	231371	4.298	224639	4.304	103	50 - 300	-0.0060	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	112737	4.098	111679	4.104	101	50 - 300	-0.2060	+/-0.50	
Instrument Blank (A7L1301-IBL3)			Lab File ID: 004F0401.D.Report.TXT			Analyzed: 12/13/17 14:03			
1-Bromo-4-nitrobenzene			231371	4.298		50 - 300	-4.2980	+/-0.50	*
1-Bromo-4-nitrobenzene [2C]			112737	4.098		50 - 300	-4.0980	+/-0.50	*
Blank (A712034-BLK1)			Lab File ID: 005F0501.D.Report.TXT			Analyzed: 12/13/17 14:24			
1-Bromo-4-nitrobenzene	385417	4.297	231371	4.298	167	50 - 300	-0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	193564	4.098	112737	4.098	172	50 - 300	0.0000	+/-0.50	
PW-955-121117 (A175003-01)			Lab File ID: 006F0601.D.Report.TXT			Analyzed: 12/13/17 14:45			
1-Bromo-4-nitrobenzene	401822	4.296	231371	4.298	174	50 - 300	-0.0020	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	216387	4.099	112737	4.098	192	50 - 300	0.0010	+/-0.50	
PW-955-121117-DUP (A175003-02)			Lab File ID: 007F0701.D.Report.TXT			Analyzed: 12/13/17 15:07			
1-Bromo-4-nitrobenzene	408539	4.299	231371	4.298	177	50 - 300	0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	237839	4.1	112737	4.098	211	50 - 300	0.0020	+/-0.50	
LCS (A712034-BS1)			Lab File ID: 008F0801.D.Report.TXT			Analyzed: 12/13/17 15:28			
1-Bromo-4-nitrobenzene	370106	4.298	231371	4.298	160	50 - 300	0.0000	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	222100	4.097	112737	4.098	197	50 - 300	-0.0010	+/-0.50	
Matrix Spike (A712034-MS1)			Lab File ID: 009F0901.D.Report.TXT			Analyzed: 12/13/17 15:49			
1-Bromo-4-nitrobenzene	374768	4.299	231371	4.298	162	50 - 300	0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	230838	4.1	112737	4.098	205	50 - 300	0.0020	+/-0.50	
Matrix Spike Dup (A712034-MSD1)			Lab File ID: 010F0101.D.Report.TXT			Analyzed: 12/13/17 16:39			
1-Bromo-4-nitrobenzene	381259	4.295	231371	4.298	165	50 - 300	-0.0030	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	212388	4.102	112737	4.098	188	50 - 300	0.0040	+/-0.50	
Calibration Check (A7L1301-CCV2)			Lab File ID: 011F0201.D.Report.TXT			Analyzed: 12/13/17 17:00			
1-Bromo-4-nitrobenzene	222843	4.297	231371	4.298	96	50 - 300	-0.0010	+/-0.50	
1-Bromo-4-nitrobenzene [2C]	124907	4.097	112737	4.098	111	50 - 300	-0.0010	+/-0.50	



Pace Analytical - ECCS Division
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

No. 08770

Page: 1 of 1

Project Number: 1540001*38		PO Number:		Lab Work Order #: A175003		Report To: Lora Sterner									
Project Name: Ashland Kennel				Preservation Codes		Company: Kennedy/Jonks Consultants									
Project Location (City, State): Kennel, NJ				Analyses Requested		Address 1: 214 Carnegie Center, Suite 103									
Turn Around (check one): ☒ Normal ☐ Rush				A		Address 2: Princeton, NJ 08540									
If Rush, Report Due Date: Results Due on 1/2/18						E-mail Address: lorasterner@kennedyjonks.com									
Sampled By (Print): Lora Sterner						Invoice To: SAA									
						Company: SAA									
						Address 1: SAA									
						Address 2: SAA									
Sample Description		Collection Date Time		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time							
PW-955-121117	12/11/17 1315	W	4	X			01								
PW-955-121117-DWP	12/11/17 1315	W	2	X			02								
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 12/11/17 Time: 1330		Received By: <i>[Signature]</i>		Date: 12/12/17 Time: 0910					
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
				Custody Seal: ☐ NA ☒ Intact ☐ Not Intact		Shipped Via: FedEx		Receipt Temp: 21°C		Thermometer #/ Exp. Date: 160142294 1/21/18		Temp Blank: ☒ Y ☐ N			

Rev. 12/15