

Data File : S:\HPCHEM1\HPLC_L\DATA\HL102113\HL005600.D Vial: 1
 Acq On : 21-Oct-2013, 14:32 Operator: QM
 Sample : HSTDICC5000 Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile : AUTOINT1.E
 Quant Time: Oct 22 6:08 2013 Quant Results File: HL102113.RES

Instrument :
 HPLC_L
 LabSampleId :
 HSTDICC5000

Manual Integrations
 APPROVED

QI
 10/22/2013 11:55:21 AM

Quant Method : Z:\HPCHEM1\HPLC_L\METHODS\HL102113.M
 Title :
 Last Update : Tue Oct 22 05:29:28 2013
 Response via : Initial Calibration
 DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
 Signal Phase : ZORBAX Extend-C18
 Signal Info : 4.6 X 100mm 3.5-Micron 80A

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Nitroaniline	1.63	19871949	4390.140 ug/L
Target Compounds			
2) T HMX	1.06	22237378	5054.737 ug/L m
3) T RDX	2.12	27330771	4814.889 ug/L m
4) T 1,3,5-Trinitrobenzene	3.33	47461258	4034.645 ug/L
5) T 1,3-Dinitrobenzene	4.52	87115350	4891.195 ng/mlm
6) T 3,5-Dinitroaniline	5.11	67855188	4948.011 ug/L
7) T Nitrobenzene	6.08	53293713	4816.955 ug/L m
8) T Tetryl	8.87	32294426	5392.778 ug/L m
9) T 2,4,6-Trinitrotoluene	8.93	56004843	4281.933 ug/L m
10) T 2-Amino-4,6-dinitrotoluene	9.89	59809632	4960.320 ug/L
11) T 4-Amino-2,6-dinitrotoluene	10.56	23568122	4186.094 ug/L m
12) T 2,4-Dinitrotoluene	11.19	78572059	4777.871 ug/L m
13) T 2,6-Dinitrotoluene	11.84	34838371	4667.083 ug/L m
14) T 2-Nitrotoluene	16.12	77517053	8369.411 ug/L m
15) T 4-Nitrotoluene	17.18	58846480	8173.178 ug/L m
16) T 3-Nitrotoluene	18.96	92715018	9075.025 ug/L m
17) T PETN	23.81f	4200900	290.926 ug/L m

 Analyst Signature:_____ Analyst Name:_____ Date:_____

-----REASONS FOR MANUAL INTEGRATIONS-----

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____

___Peak Integrated by software incorrectly.Compound #:_____

___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : S:\HPCHEM1\HPLC_L\DATA\HL102113\HL005600.D Vial: 1
 Acq On : 21-Oct-2013, 14:32 Operator: QM
 Sample : HSTDICC5000 Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile : AUTOINT1.E
 Quant Time: Oct 22 6:08 2013 Quant Results File: HL102113.RES

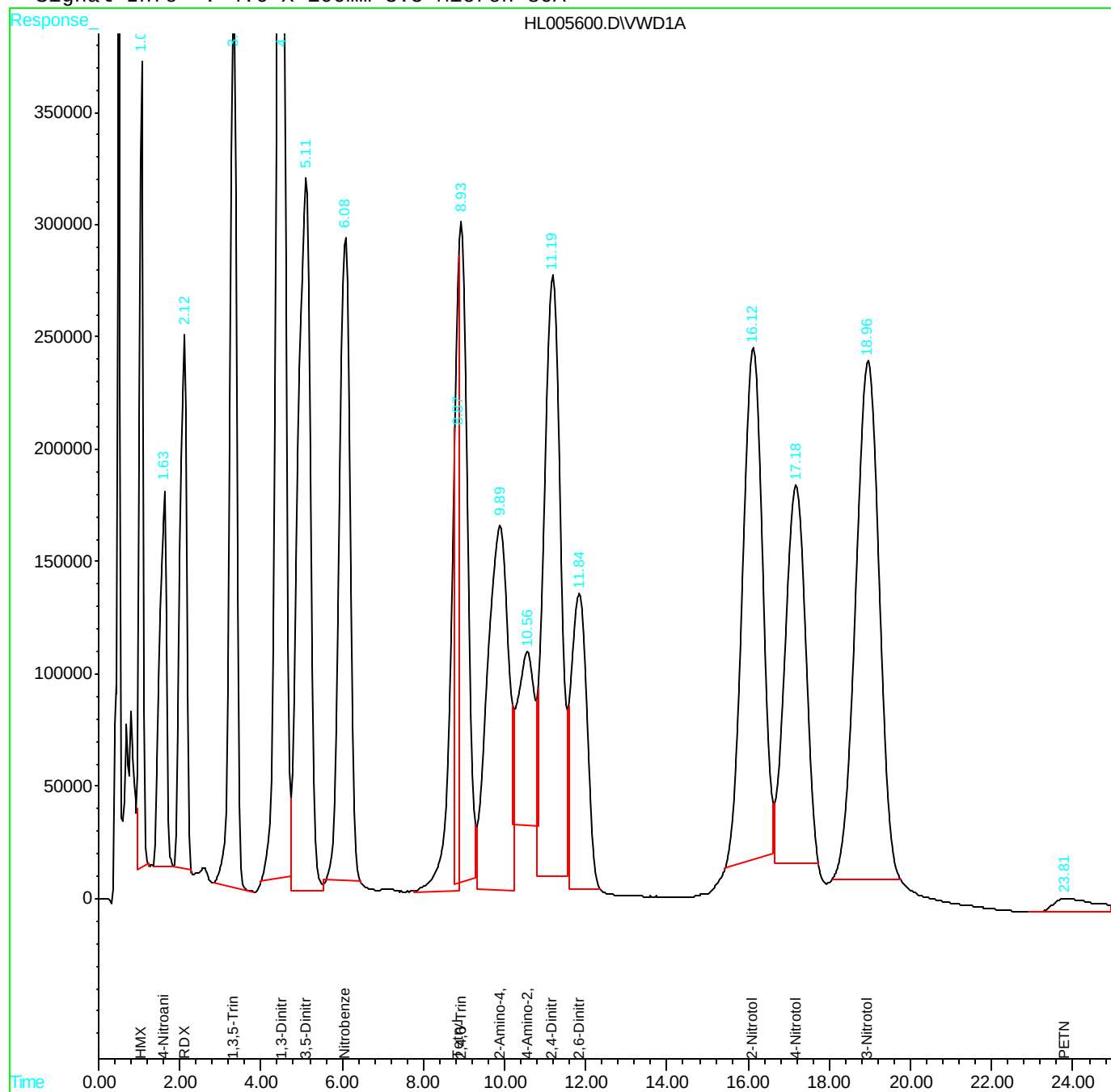
Instrument :
 HPLC_L
 LabSampleId :
 HSTDICC5000

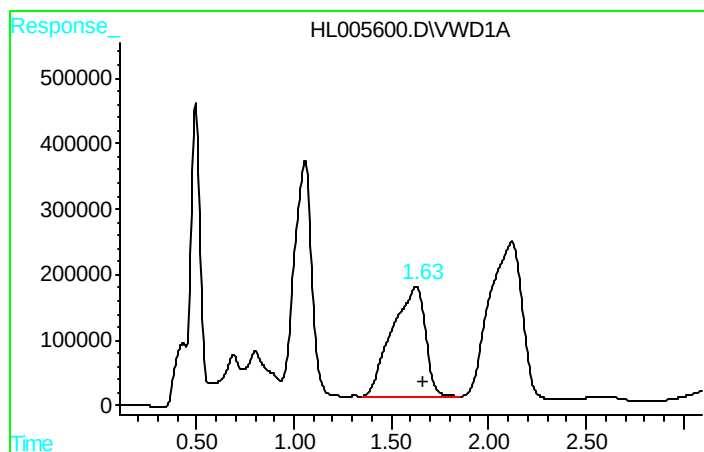
Manual Integrations
 APPROVED

QI
 10/22/2013 11:55:21 AM

Quant Method : Z:\HPCHEM1\HPLC_L\METHODS\HL102113.M
 Title :
 Last Update : Tue Oct 22 05:29:28 2013
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
 Signal Phase : ZORBAX Extend-C18
 Signal Info : 4.6 X 100mm 3.5-Micron 80A





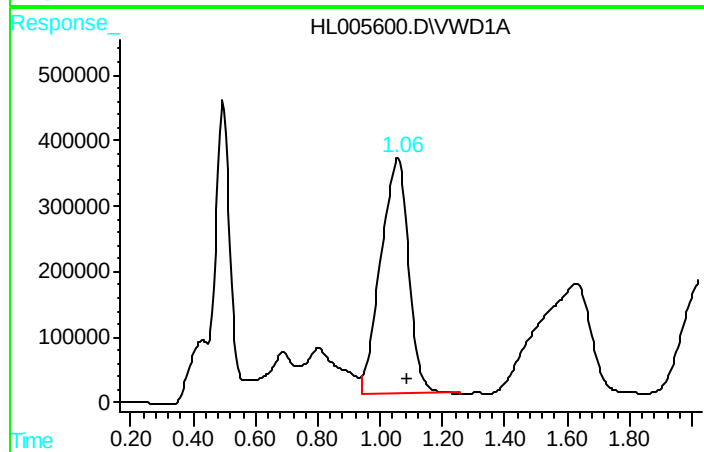
#1 4-Nitroaniline

R.T.: 1.625 min
Delta R.T.: -0.034 min
Response: 19871949
Conc: 4390.14 ug/L

Instrument :
HPLC_L
LabSampleId :
HSTDICC5000

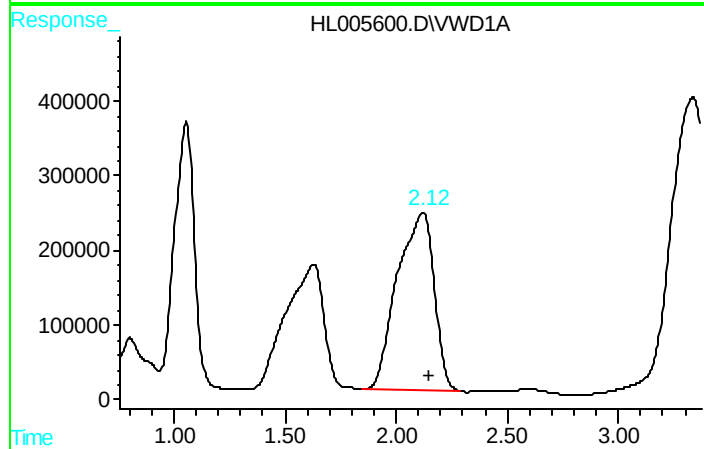
Manual Integrations
APPROVED

QI
10/22/2013 11:55:21 AM



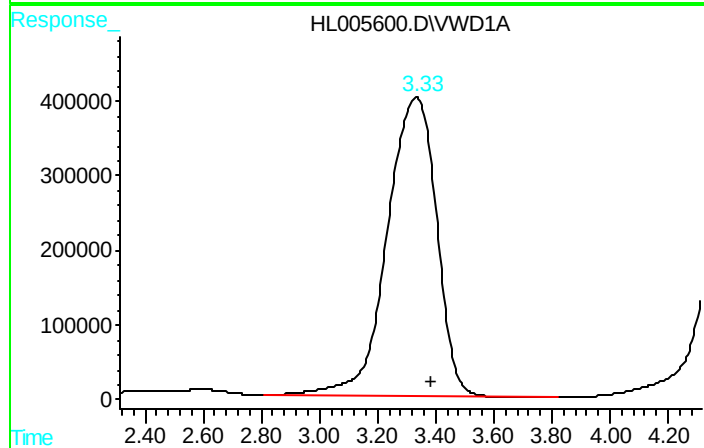
#2 HMX

R.T.: 1.055 min
Delta R.T.: -0.032 min
Response: 22237378
Conc: 5054.74 ug/L m



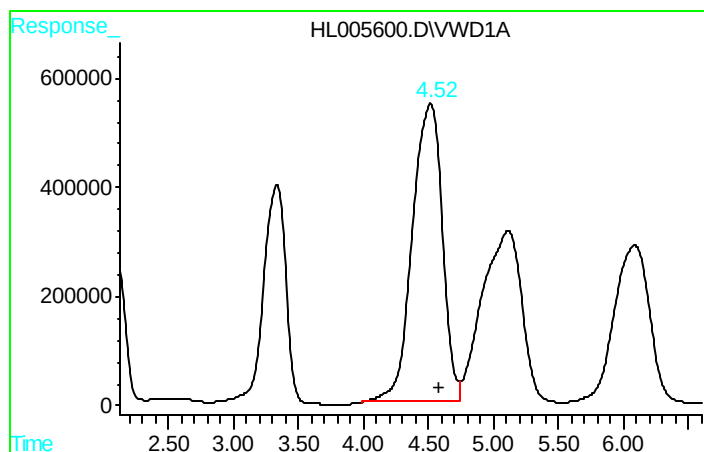
#3 RDX

R.T.: 2.118 min
Delta R.T.: -0.026 min
Response: 27330771
Conc: 4814.89 ug/L m



#4 1,3,5-Trinitrobenzene

R.T.: 3.334 min
Delta R.T.: -0.051 min
Response: 47461258
Conc: 4034.64 ug/L



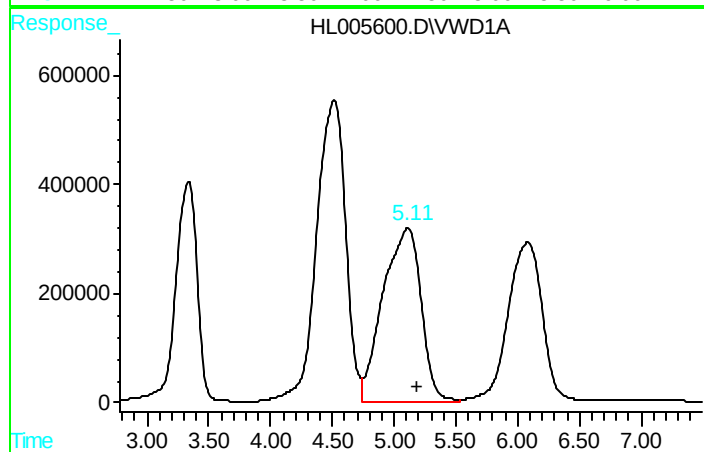
#5 1,3-Dinitrobenzene

R.T.: 4.515 min
Delta R.T.: -0.072 min
Response: 87115350
Conc: 4891.20 ng/ml

Instrument :
HPLC_L
LabSampleId :
HSTDICC5000

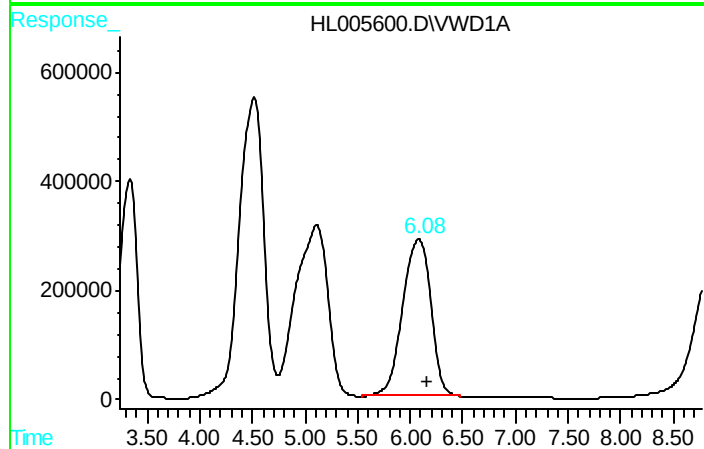
Manual Integrations
APPROVED

QI
10/22/2013 11:55:21 AM



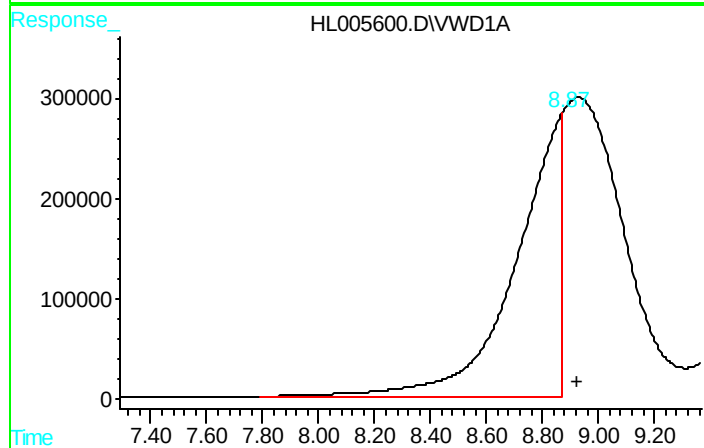
#6 3,5-Dinitroaniline

R.T.: 5.112 min
Delta R.T.: -0.066 min
Response: 67855188
Conc: 4948.01 ug/L



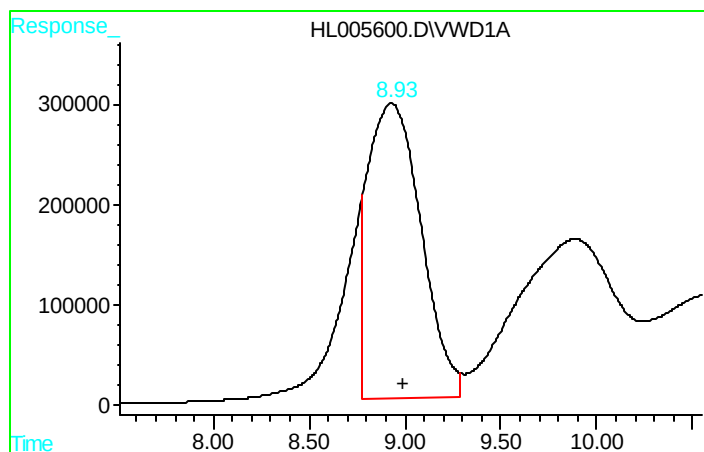
#7 Nitrobenzene

R.T.: 6.082 min
Delta R.T.: -0.082 min
Response: 53293713
Conc: 4816.96 ug/L m



#8 Tetryl

R.T.: 8.871 min
Delta R.T.: -0.053 min
Response: 32294426
Conc: 5392.78 ug/L m



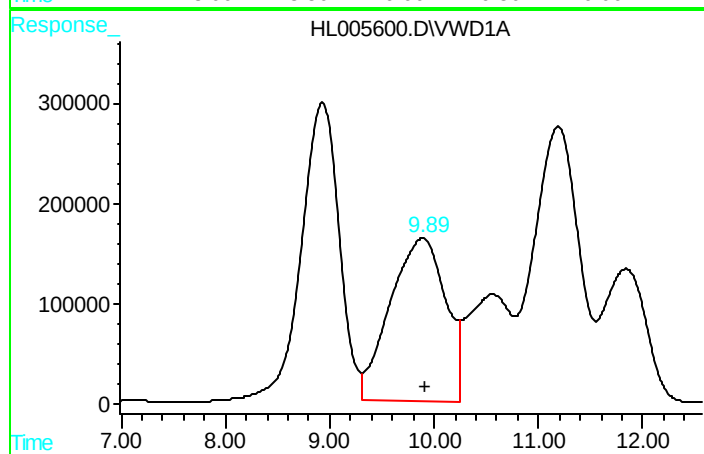
#9 2,4,6-Trinitrotoluene

R.T.: 8.927 min
Delta R.T.: -0.061 min
Response: 56004843
Conc: 4281.93 ug/L

Instrument :
HPLC_L
LabSampleId :
HSTDICC5000

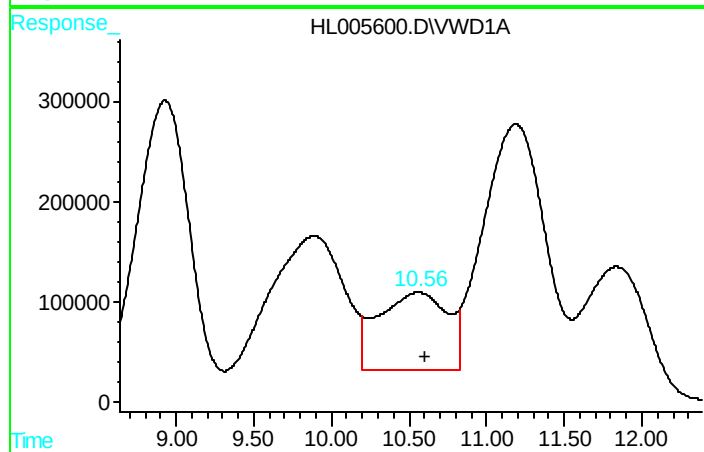
Manual Integrations
APPROVED

QI
10/22/2013 11:55:21 AM



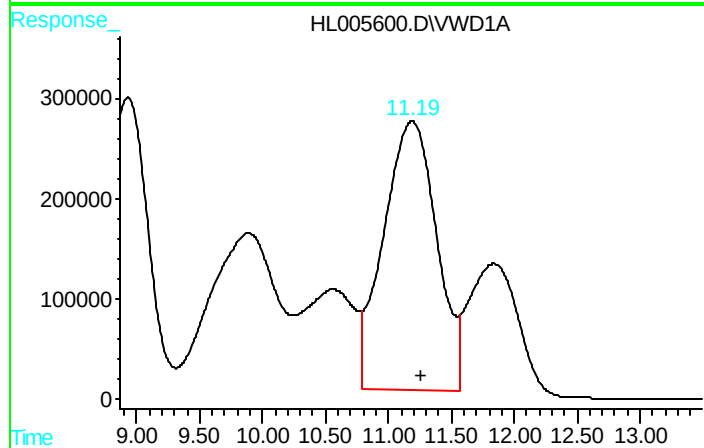
#10 2-Amino-4,6-dinitrotoluene

R.T.: 9.888 min
Delta R.T.: -0.029 min
Response: 59809632
Conc: 4960.32 ug/L



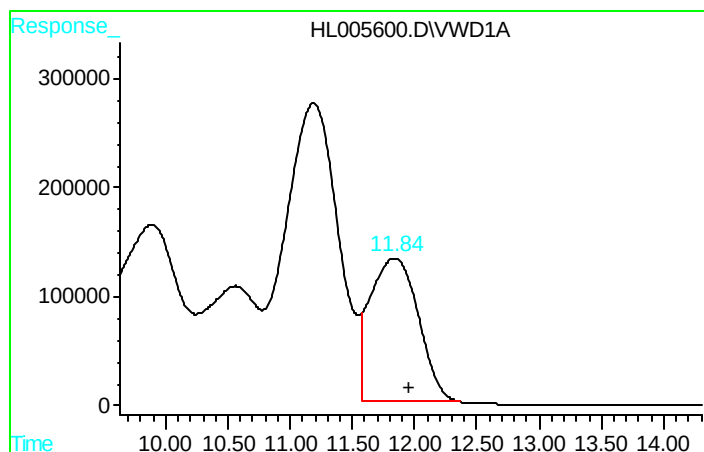
#11 4-Amino-2,6-dinitrotoluene

R.T.: 10.558 min
Delta R.T.: -0.040 min
Response: 23568122
Conc: 4186.09 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 11.187 min
Delta R.T.: -0.078 min
Response: 78572059
Conc: 4777.87 ug/L m



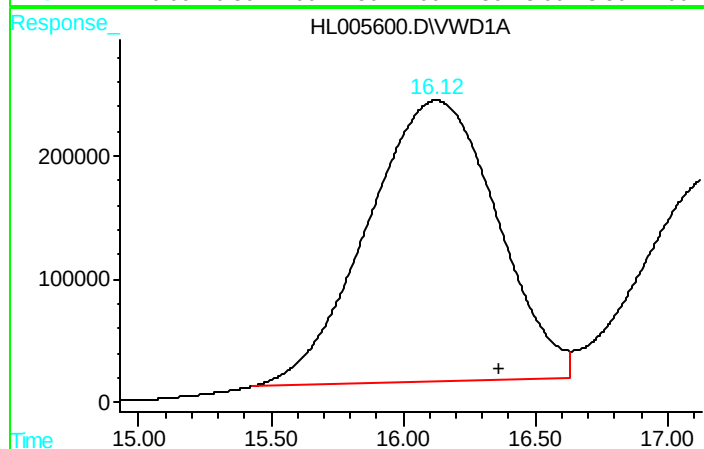
#13 2,6-Dinitrotoluene

R.T.: 11.835 min
Delta R.T.: -0.123 min
Response: 34838371
Conc: 4667.08 ug/L

Instrument :
HPLC_L
LabSampleId :
HSTDICC5000

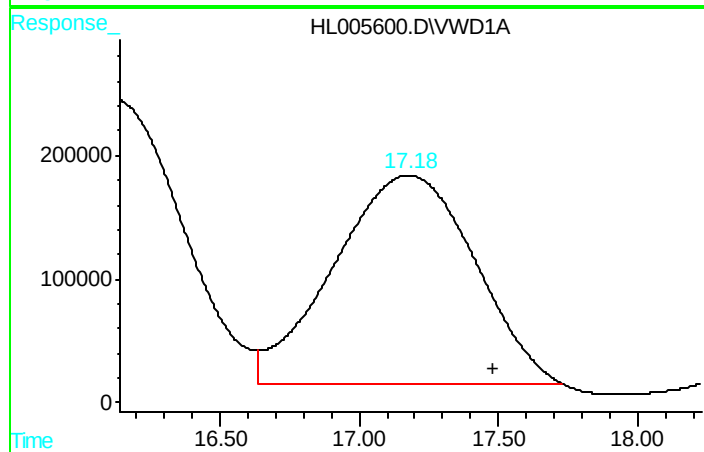
Manual Integrations
APPROVED

QI
10/22/2013 11:55:21 AM



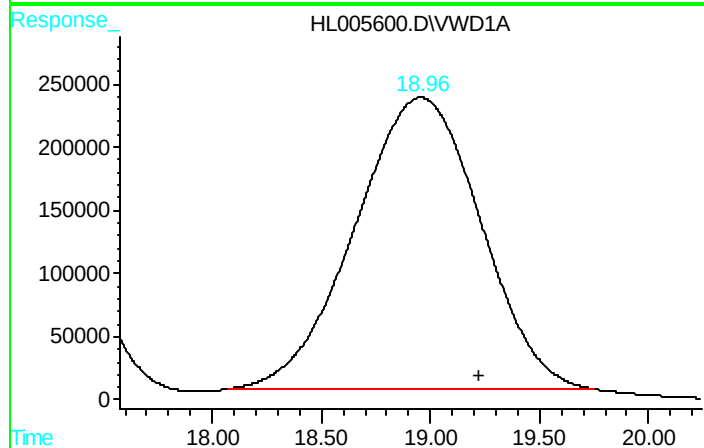
#14 2-Nitrotoluene

R.T.: 16.121 min
Delta R.T.: -0.244 min
Response: 77517053
Conc: 8369.41 ug/L m



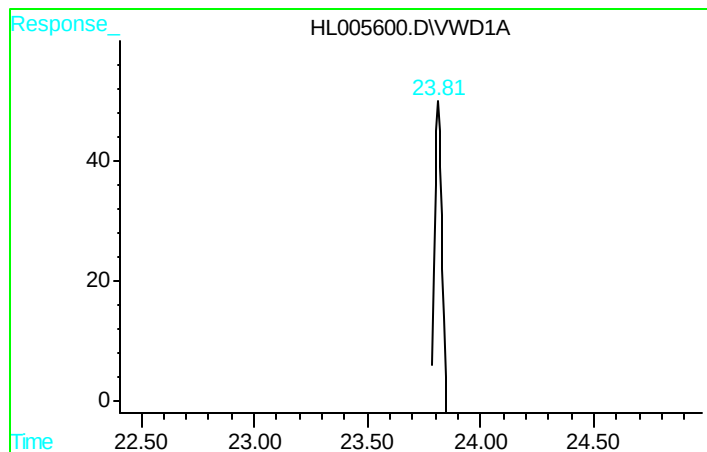
#15 4-Nitrotoluene

R.T.: 17.176 min
Delta R.T.: -0.304 min
Response: 58846480
Conc: 8173.18 ug/L m



#16 3-Nitrotoluene

R.T.: 18.955 min
Delta R.T.: -0.267 min
Response: 92715018
Conc: 9075.02 ug/L m



#17 PETN

R.T.: 23.811 min
Delta R.T.: 1.434 min
Response: 4200900
Conc: 290.93 ug/L m

Instrument :

HPLC_L

LabSampleId :

HSTDICC5000

Manual Integrations
APPROVED

QI
10/22/2013 11:55:21 AM