

Data File : S:\HPCHEM1\HPLC_L\DATA\HL070213\HL005495.D Vial: 25
 Acq On : 03-Jul-2013, 06:11 Operator: QM
 Sample : E2747-02MSD Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile : autoint1.e
 Quant Time: Jul 3 7:17 2013 Quant Results File: HL070213.RES

Instrument :
 HPLC_L
 ClientSampleId :
 POLER-SB1-062413MSD

Manual Integrations
 APPROVED

QI
 7/3/2013 12:01:03 PM

Quant Method : Z:\HPCHEM1\HPLC_L\METHODS\HL070213.M
 Title :
 Last Update : Tue Jul 02 17:40:52 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	1.33	690131	170.409 ug/L
Target Compounds			
2) T HMX	0.89	597928	129.805 ug/L
3) T RDX	1.74	616153	122.112 ug/L
4) T 1,3,5-Trinitrobenzene	2.69	1539778	138.126 ug/L
5) T 1,3-Dinitrobenzene	3.57	2125469	136.036 ng/mlm
6) T 3,5-Dinitroaniline	3.96	1981836	141.881 ug/L
7) T Nitrobenzene	4.80	1348668	135.490 ug/L m
8) T Tetryl	6.41	848090	133.424 ug/L m
9) T 2,4,6-Trinitrotoluene	6.60	1723656	146.794 ug/L m
10) T 2-Amino-4,6-dinitrotoluene	7.21	1565968	133.195 ug/L
11) T 4-Amino-2,6-dinitrotoluene	7.60	844151	135.568 ug/L m
12) T 2,4-Dinitrotoluene	8.29	2168691	144.889 ug/L
13) T 2,6-Dinitrotoluene	8.71	1209262	144.561 ug/L
14) T 2-Nitrotoluene	11.97	925911	145.064 ug/L
15) T 4-Nitrotoluene	12.72	729909	135.296 ug/L
16) T 3-Nitrotoluene	14.01	876155	126.076 ug/L m
17) T PETN	19.78	6154666	671.845 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\HL070213\HL005495.D Vial: 25
Acq On : 03-Jul-2013, 06:11 Operator: QM
Sample : E2747-02MSD Inst : G1314A
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Jul 3 7:17 2013 Quant Results File: HL070213.RES

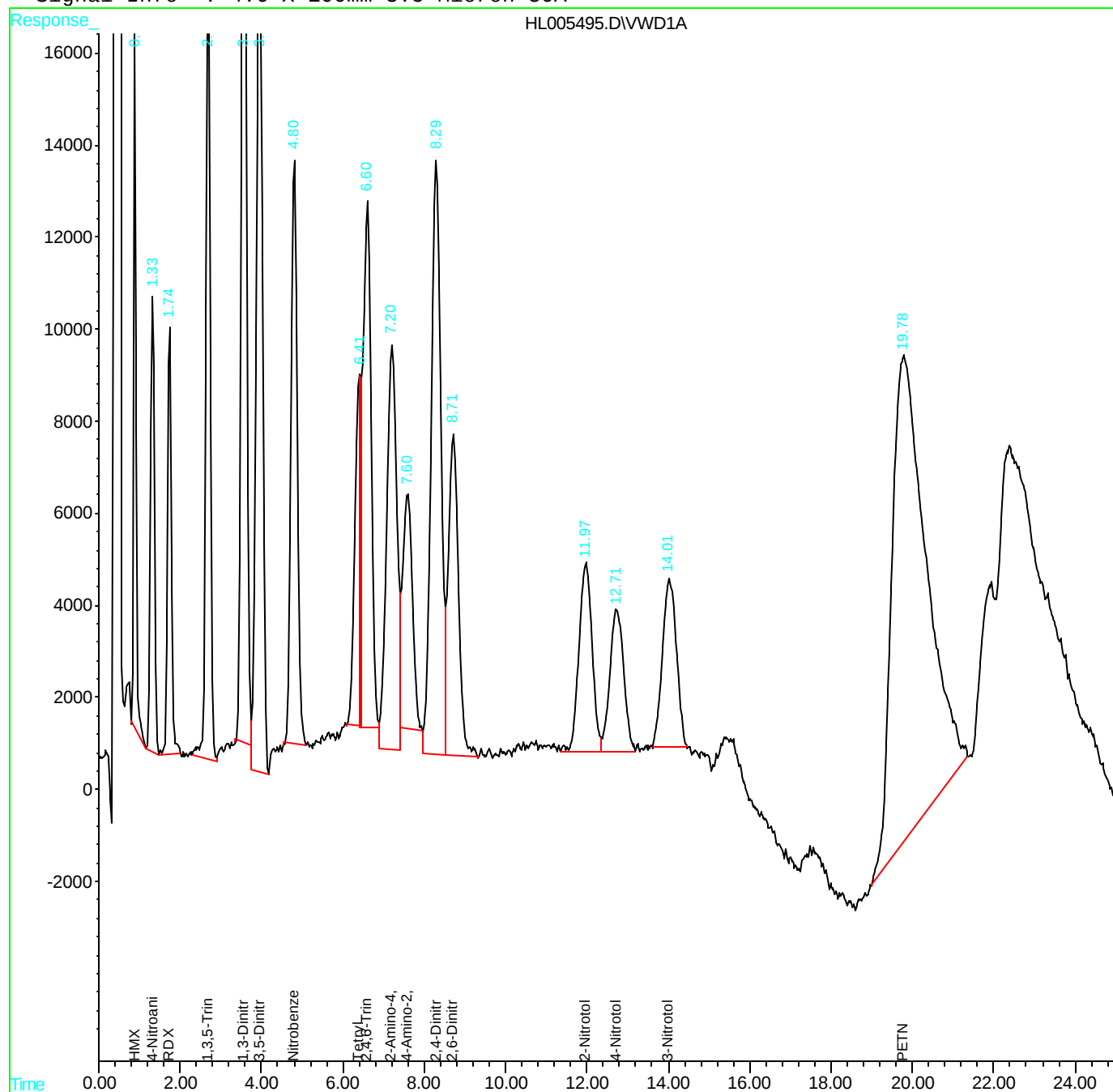
Instrument :
HPLC_L
ClientSampleId :
POLER-SB1-062413MSD

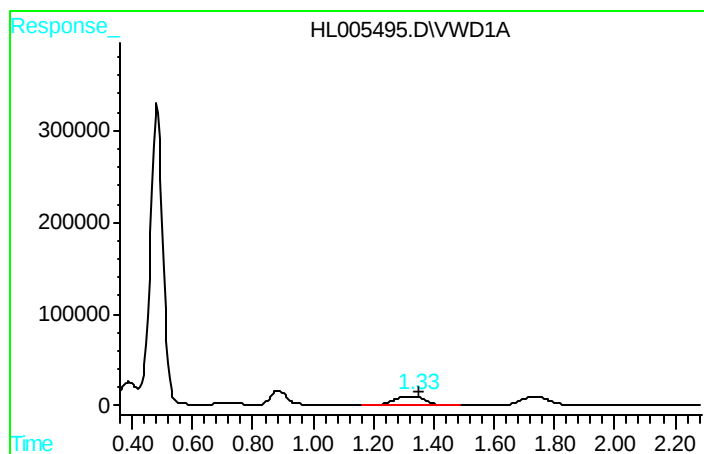
Manual Integrations
APPROVED

QI
7/3/2013 12:01:03 PM

Quant Method : Z:\HPCHEM1\HPLC_L\METHODS\HL070213.M
Title :
Last Update : Tue Jul 02 17:40:52 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





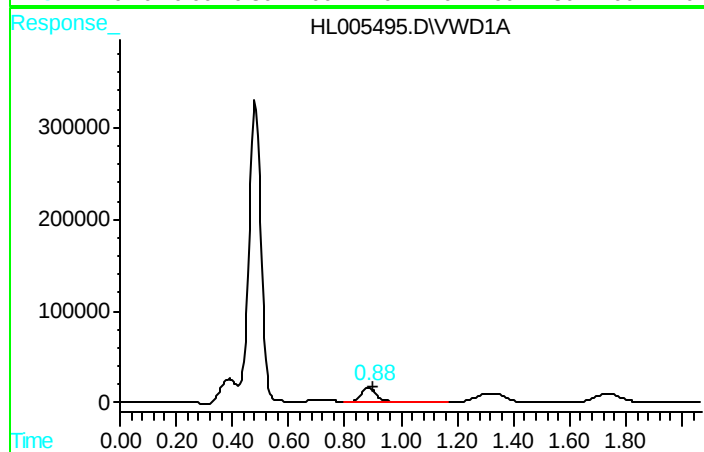
#1 4-Nitroaniline

R.T.: 1.326 min
 Delta R.T.: -0.026 min
 Response: 690131
 Conc: 170.41 ug/L

Instrument :
 HPLC_L
 ClientSampleId :
 POLER-SB1-062413MSD

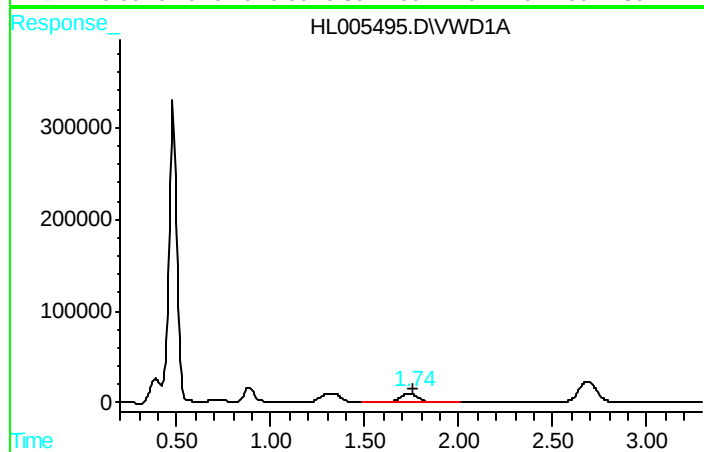
Manual Integrations
 APPROVED

QI
 7/3/2013 12:01:03 PM



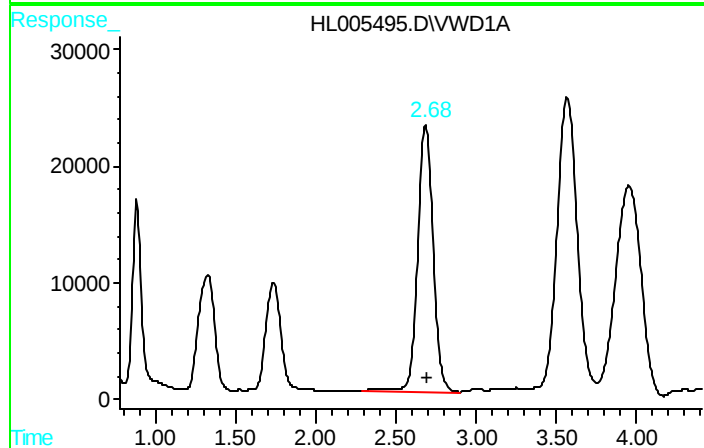
#2 HMX

R.T.: 0.887 min
 Delta R.T.: -0.016 min
 Response: 597928
 Conc: 129.80 ug/L



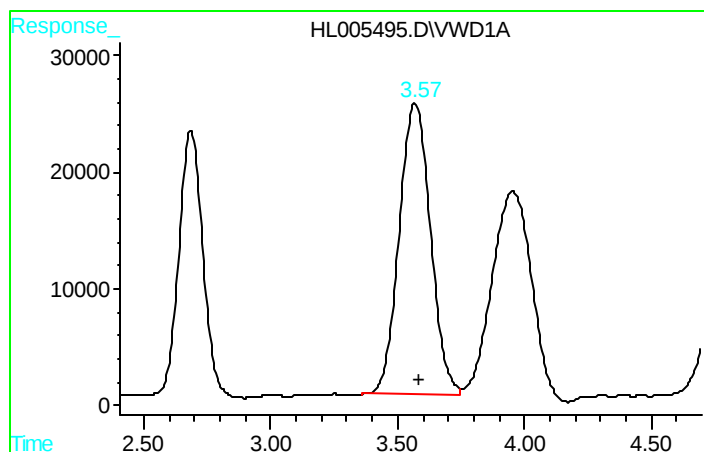
#3 RDX

R.T.: 1.739 min
 Delta R.T.: -0.022 min
 Response: 616153
 Conc: 122.11 ug/L



#4 1,3,5-Trinitrobenzene

R.T.: 2.686 min
 Delta R.T.: -0.008 min
 Response: 1539778
 Conc: 138.13 ug/L



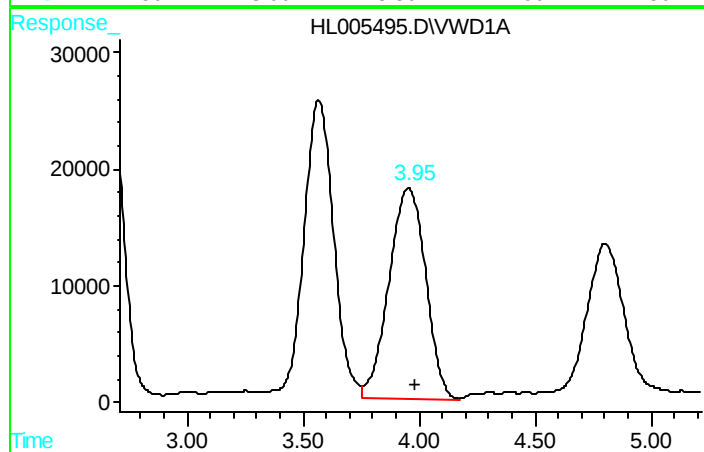
#5 1,3-Dinitrobenzene

R.T.: 3.567 min
Delta R.T.: -0.017 min
Response: 2125469
Conc: 136.04 ng/ml

Instrument :
HPLC_L
ClientSampleId :
POLER-SB1-062413MSD

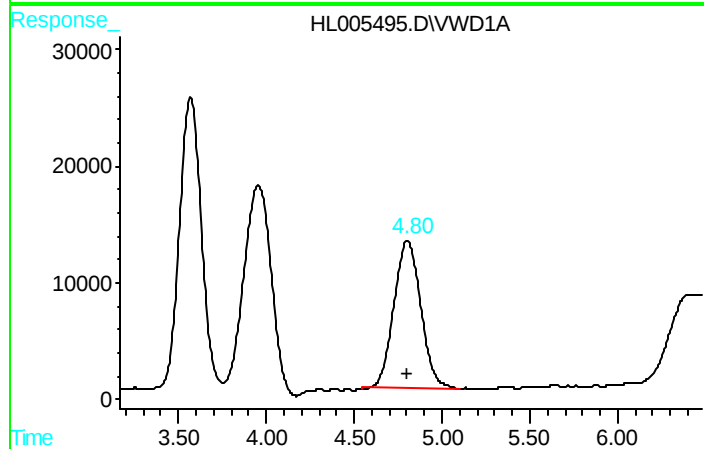
Manual Integrations
APPROVED

QI
7/3/2013 12:01:03 PM



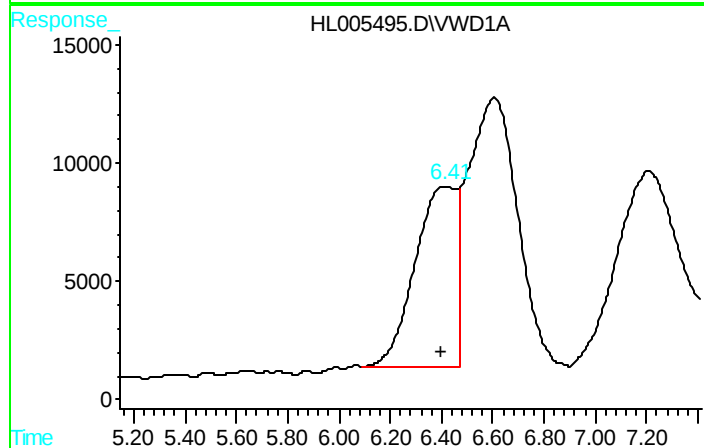
#6 3,5-Dinitroaniline

R.T.: 3.955 min
Delta R.T.: -0.027 min
Response: 1981836
Conc: 141.88 ug/L



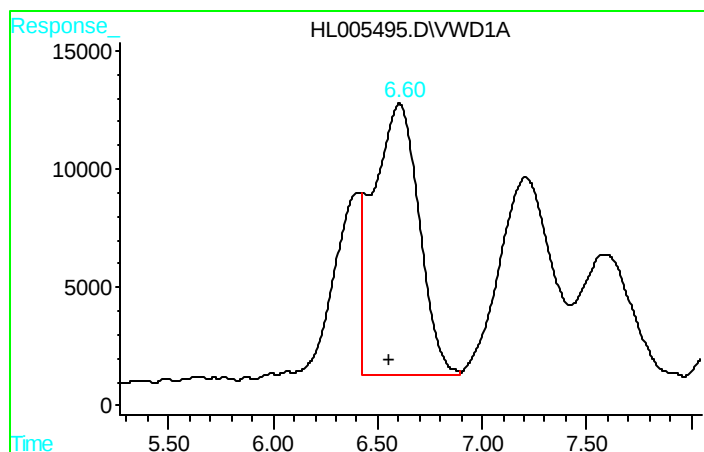
#7 Nitrobenzene

R.T.: 4.801 min
Delta R.T.: -0.002 min
Response: 1348668
Conc: 135.49 ug/L m



#8 Tetryl

R.T.: 6.414 min
Delta R.T.: 0.014 min
Response: 848090
Conc: 133.42 ug/L m



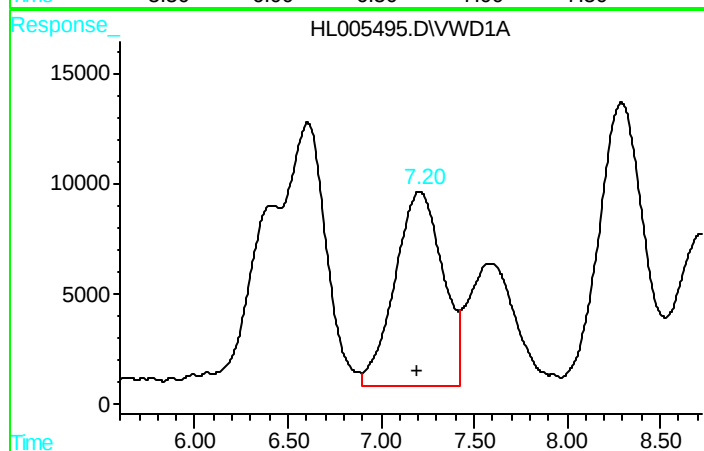
#9 2,4,6-Trinitrotoluene

R.T.: 6.605 min
Delta R.T.: 0.053 min
Response: 1723656
Conc: 146.79 ug/L m

Instrument :
HPLC_L
ClientSampleId :
POLER-SB1-062413MSD

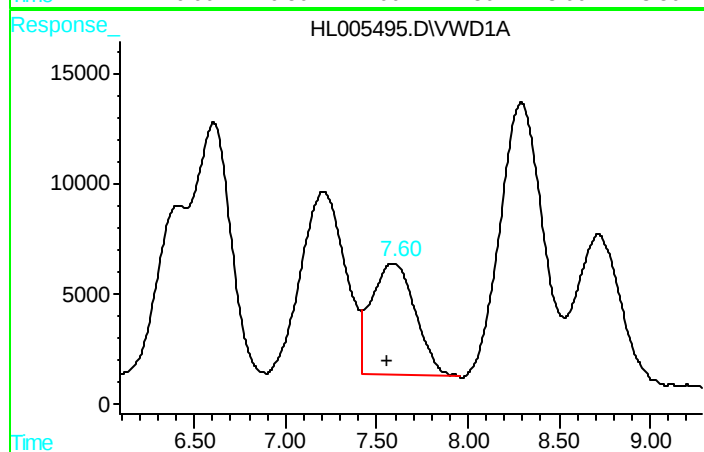
Manual Integrations
APPROVED

QI
7/3/2013 12:01:03 PM



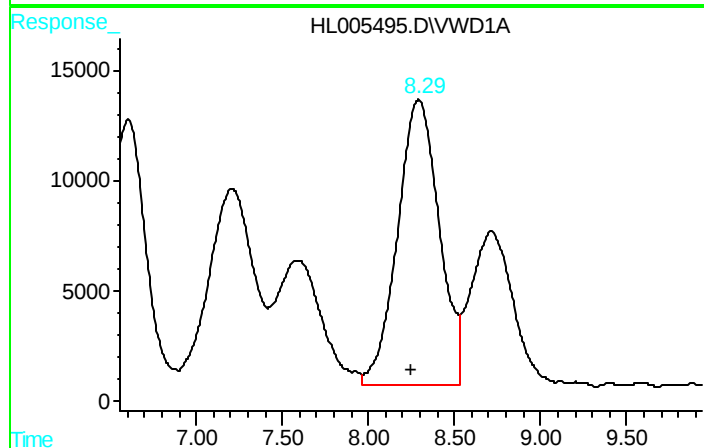
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.208 min
Delta R.T.: 0.018 min
Response: 1565968
Conc: 133.20 ug/L



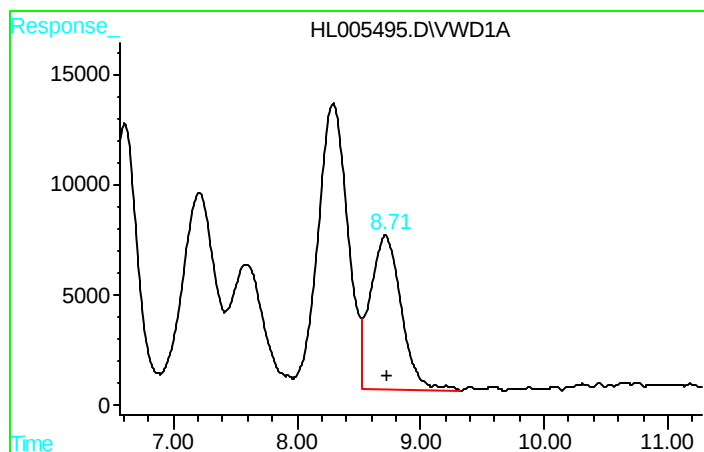
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.595 min
Delta R.T.: 0.035 min
Response: 844151
Conc: 135.57 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 8.292 min
Delta R.T.: 0.042 min
Response: 2168691
Conc: 144.89 ug/L



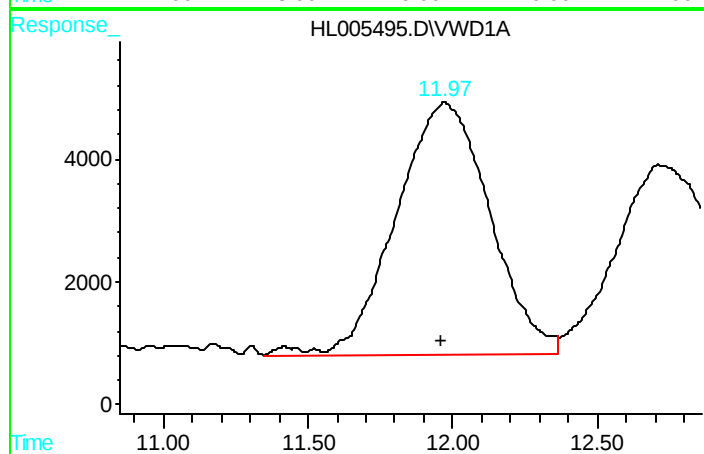
#13 2,6-Dinitrotoluene

R.T.: 8.715 min
Delta R.T.: -0.015 min
Response: 1209262
Conc: 144.56 ug/L

Instrument :
HPLC_L
ClientSampleId :
POLER-SB1-062413MSD

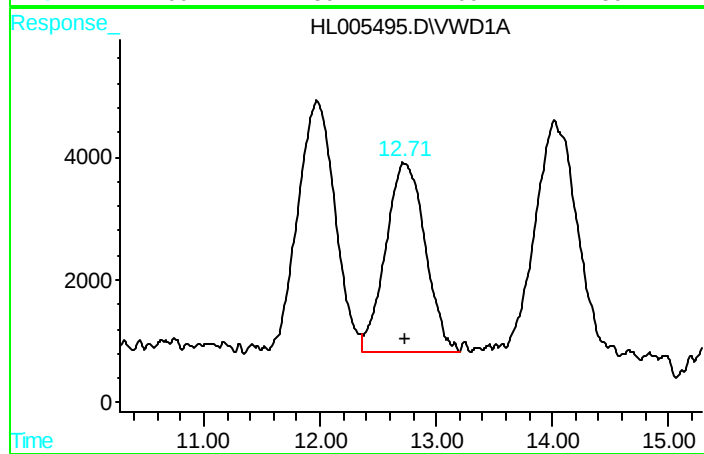
Manual Integrations
APPROVED

QI
7/3/2013 12:01:03 PM



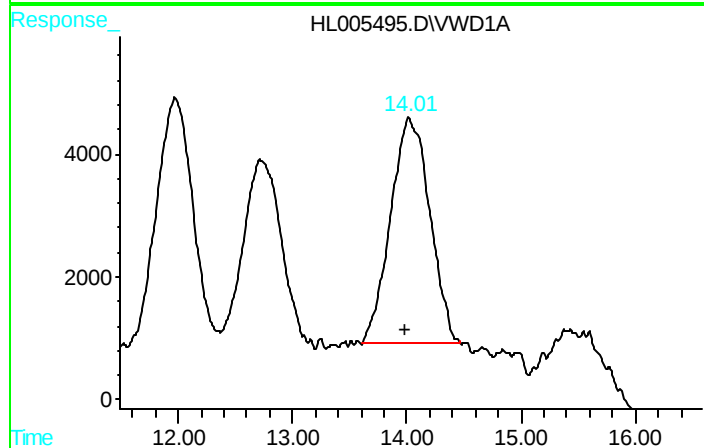
#14 2-Nitrotoluene

R.T.: 11.974 min
Delta R.T.: 0.014 min
Response: 925911
Conc: 145.06 ug/L



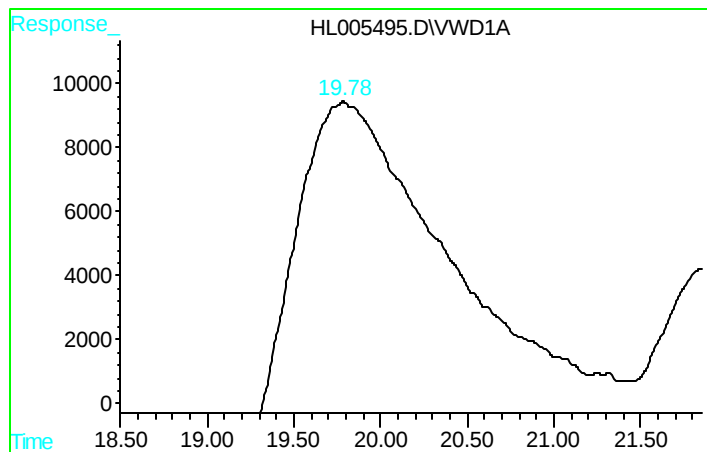
#15 4-Nitrotoluene

R.T.: 12.721 min
Delta R.T.: -0.009 min
Response: 729909
Conc: 135.30 ug/L



#16 3-Nitrotoluene

R.T.: 14.013 min
Delta R.T.: 0.033 min
Response: 876155
Conc: 126.08 ug/L m



#17 PETN

R.T.: 19.783 min
Delta R.T.: 0.183 min
Response: 6154666
Conc: 671.84 ug/L m

Instrument :
HPLC_L
ClientSampleId :
POLER-SB1-062413MSD

Manual Integrations
APPROVED

QI
7/3/2013 12:01:03 PM